OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan, Pin – 786602
Dist-Dibrugarh, Assam

PRE-BID MEETING MINUTES

To

Sub: Tender No. CDI2813P27 'Hiring of AI-Based CCTV Surveillance System along with Installation, Commissioning and O&M Services'.

This is to notify that the **minutes of the pre-bid meeting** held on **08.10.2026** in connection with the subject tender are enclosed herewith as **ANNEXURE-I**. All other terms and conditions of the Bid Document remain unchanged.

Details can be viewed at www.oil-india.com.

Sd/-
Senior Manager - Contracts (Services)

OIL INDIA LIMITED

Pre-Bid Meeting Minutes

Tender No. CDI2813P27
Name of Work: Hiring of AI-Based CCTV Surveillance System along with Installation, Commissioning and O&M Services'.
Date & Time: 08.10.2026 from 09:00 AM onwards
Venue: Tejas Conference Room located in the Fire Services Department, Field Headquarters (FHQ) of Oil India Limited (OIL), Duliajan, Assam (PIN 786602).

The pre-bid meeting was organized to address the queries raised by the bidders for the said tender within the pre-bid query submission deadline. OIL discussed and clarified the queries pointwise. The queries received & clarifications given, if any during the meeting are placed as **Annexure – I**. It was mentioned in the meeting that the final reply against each pre-bid query shall be published in tender portal and same will be treated as part of the Tender conditions and shall be binding to both OIL and Bidders.

The meeting ended with a vote of thanks to the chair.

OIL's Representative				**Bidder's Representative**				
Sr. No.	Name	Designation	Signature & Date	Sr. No.	Name	Firm's Name	Designation	Signature & Date
1	NCHUM NGULLIE	DGM-SEC	08/10/2026	1	BISWAJIT HAZARIKA	TVPL	MD	
2	GOKUL DEKA	CE (TCI)/BI	08/10/26.	2	ISHAK ANSARI	TVPL	Presales	
3	Shubhamjee Das	Sr. EE	08.10.26.	3	Baljit Dutta	TVPL	Project Sales	

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4	Dipsikha Kedi	Dy. CE (Int)	8/10/2026	4	SURJYA DUTTA	DELL	AE-SALES	9/10/26
5	Upasana Malakar	Sr. Manager Contracts	8/10/2026.	5	Akshay Singhal	DPT Nagpur	SI Head Mfg. Engg.	
6	Sachin Kumar	Manager Security	8/10/26	6	Sakat Rani	Amnex. Info. tech.	A. M	
7	Anwar Rasha Shaik	CE (PSS)	8/10/26	7	RAHUL ROY	Vehant Technologies	R. M	
8	Divya Dismukh	Manager (TC) EY	8/10/26	8	CHINMAYA MOHANTY	TATA ADVANCED SYSTEMS	R. M	
9	ATUSH BHARAL	Consultant (TC) EY	8/10/26	9	Vivek Upadhyay	Tata Advanced Systems	Digital Sales Head	
10	Aakash	Director EY		10	VIVEK SHARMA	HONEYWELL AUTOMATION	VERTICAL LEADER	
11	SUDARSHAN CAIKIA	S.E - IT		11	PALLAB SARKAR	HONEYWELL AUTOMATION INDIA LTD	SALES LEADER	Pallab Sarkar.
12	MIGANG MIGOM PEGU	CE - IT		12	Joyjit Dutta	TCIL	Authorised person	
13	Kamal Sarma	DYCE-IT		13	Amit singh	Building Technology Solutions	National Manager	
14	U. J. BORTHAKUR	DY CE-FC		14	Deepak Sharma	Honeywell International	RM	
15	Chandan Boddoj	SE - FC		15	Amjit Singh	Honeywell International	RM	

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16	Jitendra Kr. Hazarika	CE (FCX) MS & P(FP)		16	Gaurav Agarwal	Trade & Technology Pvt Ltd	CEO	
17	Saurav Rohilla	SAO - F&A		17	Chitta Ranjan Pal	Detect Technologies	Accounts Partner	
18				18	HAZEKAIAH G. LALOO	BRIHASPATHI TECH LTD	KAM	
19				19	ANUP DEMAN	K SMART Solutions	CM	
20				20	Sukhendu Biswas	ONEPWS	RM	
21				21	NILOTPAL DAS	GENIUS NETWORK	AS	
22				22	MRIGANKA GOSWAMI	NEXXUS NETWORKS	BDM-NE	
23				23	Prasanjit Saha	Consultant	Business Manager	
24				24	Prosenjit Manna	Milestone	CBM	
25				25	Kumar Abhijit	CEL	AGM	
26				26	Naveen Singh	AWIROS	Director	
27				27				

ANNEXURE-I

S. No.	Gap/Ambiguity	Query	OIL's Response
1	The proposed OEM must be an active member of both the TIA and BICSI. Additionally, the OEM shall have on its Indian payroll at least vendor neutral certified professional holding CDCP, CFOS, ITIL and either PMI-PMP or RCDD credentials. The services of this professional must be available for consultation and direct involvement in the design, deployment, and oversight of this project. Valid Certificates of the OEM employees along with a letter from the OEM HR verifying that the employees are sitting in India should be submitted. (Details must be provided).	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.
2	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.

ANNEXURE-I

3	The OEM shall be recognized by Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Changes Request: The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/ passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration. Justification: The DPIIT sector-specific recognition mentioned in the clause is a classification of the Industry and Internal Trade department's database, and it is not a measure of product quality, manufacturing capability or technical competence. Indian OEMs that manufacture locally, comply with ISO 9001:2015/14001:2015/ 45001:2018 and meet the local content requirements of the Public Procurement (Preference to Make in India) Order, 2017 would be excluded solely because of how their entity is classified. We therefore request that the clause be modified to accept alternative evidence of Indian manufacturing status, such as a Make in India local supplier certificate, ISO certification and incorporation/GST documents. This retains the tender's intent of preferring genuine Indian OEMs while keeping the specification generic and non-restrictive, in line with GFR 2017, and widening competition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
4	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Changes Request: The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/ passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration. Justification: The DPIIT sector-specific recognition mentioned in the clause is a classification of the Industry and Internal Trade department's database, and it is not a measure of product quality, manufacturing capability or technical competence. Indian OEMs that manufacture locally, comply with ISO 9001:2015/14001:2015/ 45001:2018 and meet the local content requirements of the Public Procurement (Preference to Make in India) Order, 2017 would be excluded solely because of how their entity is classified. We therefore request that the clause be modified to accept alternative evidence of Indian manufacturing status, such as a Make in India local supplier certificate, ISO certification and incorporation/GST documents. This retains the tender's intent of preferring genuine Indian OEMs while keeping the specification generic and non-restrictive, in line with GFR 2017, and widening competition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
5	ISO 9001, RoHS, CE certified	Changes Request: Remove RoHS & CE Certificate	As per the terms and conditions of the tender.

ANNEXURE-I

6	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.
7	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.

ANNEXURE-I

8	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Changes Request: The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration. Justification: The DPIIT sector-specific recognition mentioned in the clause is a classification of the Industry and Internal Trade department's database, and it is not a measure of product quality, manufacturing capability or technical competence. Indian OEMs that manufacture locally, comply with ISO 9001:2015/14001:2015/ 45001:2018 and meet the local content requirements of the Public Procurement (Preference to Make in India) Order, 2017 would be excluded solely because of how their entity is classified. We therefore request that the clause be modified to accept alternative evidence of Indian manufacturing status, such as a Make in India local supplier certificate, ISO certification and incorporation/GST documents. This retains the tender's intent of preferring genuine Indian OEMs while keeping the specification generic and non-restrictive, in line with GFR 2017, and widening competition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

ANNEXURE-I

9	3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II),and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs.94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs.58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.	Amendment Request 3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each Project costing not less than the amount equal to Rs.94,09,61,000.00; OR b) Two completed similar works each Project costing not less than the amount equal to Rs.58,81,00,500.00; OR c) Three completed similar works each Project costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means:' Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras. Justification: The proposed amendment is requested to encourage wider participation and enhance competition without compromising the essential technical capability required for the project. Flame-Proof/Ex-Proof CCTV is a specialized subset of outdoor CCTV surveillance, whereas the bidder's core competency in supply, installation, commissioning, integration and O&M can be adequately demonstrated through large-scale Outdoor CCTV projects. Further, specific Flame-Proof CCTV experience is already covered under Criterion II. Hence, making Flame-Proof/Ex-Proof experience mandatory under Criterion III as well as in the definition of "Similar Work" may unnecessarily restrict participation of otherwise technically qualified bidders. The proposed amendment will broaden competition while retaining the required experience in Outdoor CCTV implementation and O&M, without affecting the technical specifications and safety requirements of the present tender.	As per the terms and conditions of the tender.

ANNEXURE-I

10	Notes to BEC Clause 3.1 above: A) For proof of requisite experience (refer Clause No. 3.1 above), the following documents/photocopy (self-attested/attested) must be submitted along with the bid: i) Contract document/LOI/LOA/WO showing details scope of work and technical specifications, AND ii) Job Completion Certificate (JCC) issued by the end user/client in their official letter head duly sealed and signed showing: a) Gross value of job done/quantity done b) Nature of jobs done and Work Order No./Contract No. c) Contract period and date of completion. OR SES (Service Entry Sheet)/Certificate of Payment (COP) issued by the company indicating the following: a) Work Order No./Contract No. b) Gross value of jobs done/quantity done. c) Period of service d) Nature of service	With reference to Clause 3.1 – Notes to BEC, Point A(ii), the bidder is required to submit a Job Completion Certificate (JCC) indicating the gross value/quantity of work executed, nature of work, contract period, and date of completion. In large-scale CCTV/System Integration projects, the Supply, Installation, Testing & Commissioning scope is generally completed and the system is declared Go-Live/Operational, followed by an extended O&M/support period. As per our understanding, for evaluation of the experience criteria under Clause 3.1, the gross value of work executed and/or quantity successfully installed, commissioned and made operational as on the Go-Live/Commissioning date should be considered, subject to submission of appropriate certification/supporting documents issued by the end user/client. Accordingly, projects where implementation and commissioning have been successfully completed but the associated O&M period is ongoing should also be considered for qualification. Kindly confirm that the Go-Live/Commissioning date may be considered as the completion date for the Supply, Installation & Commissioning portion, and the corresponding executed value/quantity may be considered for meeting the experience criteria under Clause 3.1, even if the overall contract/O&M period is still ongoing. Justification: In large-scale CCTV/System Integration projects, the Supply, Installation, Testing & Commissioning activities are completed before commencement of the O&M/support period. Once the system is successfully commissioned and declared Go-Live/Operational, the bidder has substantially demonstrated the required technical capability and experience for execution of the project. The subsequent O&M period may continue for several years, and considering only the final contract completion date may exclude projects where the complete implementation scope has already been successfully executed and accepted by the client. Therefore, the executed value/quantity achieved as on the Go-Live/Commissioning date, duly certified by the end user/client, should be considered for evaluation of experience. This will enable recognition of successfully implemented and operational projects while maintaining the required qualification standards and allowing wider participation of experienced bidders, without diluting the technical or experience requirements of the tender.	As per the terms and conditions of the tender.

ANNEXURE-I

11	3.0 (3.1) 3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II),and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK 'over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs.94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs.58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.	Amendment Request 3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II),and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each Project costing not less than the amount equal to Rs.94,09,61,000.00; OR b) Two completed similar works each Project costing not less than the amount equal to Rs.58,81,00,500.00; OR c) Three completed similar works each Project costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means:' Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras. Justification: The proposed amendment is requested to encourage wider participation and enhance competition without compromising the essential technical capability required for the project. Flame-Proof/Ex-Proof CCTV is a specialized subset of outdoor CCTV surveillance, whereas the bidder's core competency in supply, installation, commissioning, integration and O&M can be adequately demonstrated through large-scale Outdoor CCTV projects. Further, specific Flame-Proof CCTV experience is already covered under Criterion II. Hence, making Flame-Proof/Ex-Proof experience mandatory under Criterion III as well as in the definition of "Similar Work" may unnecessarily restrict participation of otherwise technically qualified bidders. The proposed amendment will broaden competition while retaining the required experience in Outdoor CCTV implementation and O&M, without affecting the technical specifications and safety requirements of the present tender.	As per the terms and conditions of the tender.
12	Bidder must have executed, under not more than 3 contracts, a minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ), along with 950 outdoor cameras, VA for 250 cameras and CCC for 950 cameras.	Flameproof cameras are certified products (PESO/ATEX/IECEx) supplied by the OEM. Their installation is done the same way as normal outdoor cameras, using certified glands and JBs as per the OEM manual, and the tender already asks for full FLP certification from the camera OEM. A separate 150 FLP camera experience therefore does not add much and limits competition. We request OIL to delete sub-clause (b) and keep (a), (c) and (d) only.	As per the terms and conditions of the tender.

ANNEXURE-I

13	Bidder must have experience in supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 1 year O&M under a single contract in last 7 years.	For the same reason as above, we request OIL to remove the words 'flame-proof/ex-proof' from this clause. Kindly amend it to: 'Supply, installation & commissioning of outdoor IP CCTV surveillance system along with at least 01 year of O&M under a single contract'.	As per the terms and conditions of the tender.
14	Similar Work' means Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.	Please amend the definition to: 'Supply, Installation & Commissioning of IP based Outdoor CCTV Surveillance System, including City/Smart City Surveillance projects with Command & Control Centre'. Kindly confirm that city surveillance and smart city CCTV projects done for Govt./PSU clients will be accepted as similar work.	As per the terms and conditions of the tender.
15	Bids based on the experience of Technical Collaborator/Consortium/Joint Venture etc. shall not be considered.	Large Govt. surveillance projects are often awarded to consortiums where the bidder is the lead member and executes the CCTV work itself. Please confirm that experience of the bidder as lead member of a consortium/JV will be accepted for the portion of work executed by the bidder, supported by client certificate or CA certificate.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
16	Bidders shall mandatorily undertake an on-site visit to the relevant OIL locations prior to submission of bids. BOQ Guideline 2: bidder shall mandatorily visit all project sites before submission of bids.	The work covers 646 locations across Assam and Arunachal, and visiting all of them before bid submission is not practical. Please share (a) the site visit schedule and OIL contact person, (b) the list of sites that must be visited, and (c) whether any site visit certificate is to be submitted with the bid. We request that a visit to representative sites (Duliajan, CCC/DC, one rig and a few field installations) be treated as sufficient, with the detailed survey of all sites done after award, and that OIL arranges entry permits for the visit.	Bidders shall coordinate with OIL for the site visit by submitting their request to the designated e-mail IDs provided in the tender, i.e., upasana_malakar@oilindia.in and contracts@oilindia.in. The site visit schedule and other related coordination shall be undertaken accordingly.
17	Bidder shall demonstrate PoC at OIL premises with poles, cameras, network, wireless link, compute, VMS, VA, NMS etc. Time for preparation shall be intimated by OIL. Any 10 VA use cases out of 17 to be shown (incl. Violence, Woman Hailing for Help, Working at Height, Fire & Smoke).	Please confirm (a) the PoC location and expected dates, (b) a minimum of 3 to 4 weeks preparation time from the date of intimation, (c) that OIL will provide power and a room for the PoC control setup, and (d) that PoC equipment remains the bidder's property and can be taken back after the demo. Also, use cases like fire, violence, working at height and distress gestures cannot be safely created live; please allow staged scenes, mock-ups or pre-recorded video streamed through the offered system for these.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
18	Mobilization within 30 days of LOA, including submission of CVs, OIL approval of all personnel along with Police verification, and deployment of all project manpower.	Police verification is done by the police authorities and generally takes more than 30 days, which is not in the bidder's control. We request (a) 60 days for mobilization, or that delay in police verification is not counted as bidder's delay, and (b) confirmation that only key personnel are to be deployed at mobilization and the rest of the team can be deployed as per the approved project plan.	As per the terms and conditions of the tender.
19	Implementation: Project Manager, Solution Architect, 2 Network Engineers, Documentation Specialist, Application Engineer, Electrical Engineer - Full time; Cyber Security Expert - 6 months. O&M: Field Engineers 'As per the requirement', Full time.	Please clarify which roles must be stationed full time on-site at Duliajan. We request that the Solution Architect, Documentation Specialist, Application Engineer and Cyber Security Expert be allowed to work partly from our office (off-site), with site visits as needed. For O&M, please share the minimum number of field engineers expected and whether they must be based at each field area (Eastern Field, Western Field, GMS, Arunachal) or can operate from Duliajan with travel to sites, so that all bidders price the same.	The manpower specified under Clause 3.3.12.1 of the SOW shall be deployed onsite during the implementation phase. During the O&M phase, the number of Field Engineers to be deployed shall be based on the bidder's proposed technical solution and shall be adequate to meet the prescribed SLA requirements.
20	12 Control Room Operators (3 per shift, 3 shifts + 3 relievers) for approx. 10 months during implementation. Operator cost to be considered once CCC is ready and cameras are live.	Since cameras will go live in phases, please confirm that operators can be deployed in a phased manner as per the number of live cameras, and that the full 12 operators will be required only after the CCC is ready. Also confirm how the actual operator months will be paid if the CCC is ready later than planned.	The bidder shall ensure deployment of the required operators as and when the cameras become live and operational at the CCC during the implementation phase. The bidder shall be responsible for planning the manpower deployment accordingly.
21	Control Room Operator: B.Tech/B.E. with 3 years or Diploma with 5 years' experience; preferably defence/police background. SCC: No person above 60 years shall be engaged.	The operator's job is mainly monitoring and reporting. We request OIL to accept Graduates/Diploma holders with 1-2 years of CCTV monitoring experience or a CCTV certification (NSDC/ITI). Also, many ex-servicemen are close to 60 years; please confirm the age limit applies only to contract labour and not to supervisory/operator staff, or relax it to 62 years for ex-servicemen.	As per the terms and conditions of the tender.
22	Only one replacement per profile is permitted per year; every non-compliance attracts a penalty of INR 2,00,000.	Over a 7-year O&M period, operators and engineers may leave for personal reasons. Please confirm that replacement with an equal or better qualified person, with prior intimation to OIL, will not attract the INR 2 lakh penalty. We request that the penalty applies only if a position remains vacant beyond 30 days.	As stipulated in the clause, replacement due to reasons not in control of the System Integrator (like resignation of the resource, accident, etc.) would not be counted in the permissible one replacement.

ANNEXURE-I

23	BOQ Guideline 8 lists Manpower, Operator and SIM cost under I&C, while Guidelines 3 & 4 and SCC 19 say these are paid in O&M on monthly invoices. O&M Year 2 to 7 shown as 2.5%, 3.5%, 4.5%, 5.5%, 6.5%, 7.5% yearly.	The tender is not clear on where operator, O&M manpower and SIM/data costs are to be quoted (I&C or O&M) and how the monthly invoices will be raised against a lump sum line. Please add separate line items in the Price Bid for (a) operators, (b) O&M manpower and (c) SIM charges. Also, please clarify the O&M percentages are of which value (Total Contract Value, Total O&M value or CAPEX).	Please refer Clause 3.3.12.1 of SOW. Operator and other technical manpower costs for the approximately 10-month implementation period shall be included under I&C charges, whereas such costs during the O&M period shall be quoted under the O&M section of the Price Bid. The same shall apply to SIM charges. The applicable OPEX percentage shall be quoted on the CAPEX value, excluding manpower cost, SIM charges and other separately identified items, as specified in the BOQ Guidelines under Section-IV, Part-III: O&M.
24	Quoted O&M value shall not be less than 30% of the Total Contract Value; otherwise the difference will be withheld from invoices and released only at the end of the contract.	Holding back money for 8 years puts heavy cash flow pressure on the contractor. We request OIL to reduce this limit to 15-20% of Total Contract Value, or to release the withheld amount year-wise on satisfactory O&M performance instead of at contract end.	As per the terms and conditions of the tender.
25	50% of supply cost on delivery (max 3 lots), 25% on site-wise I&C, and balance 25% on UAT/Go-Live of the site.	Hardware and software licences (VMS, VA, ANPR, EMS, virtualization, DB etc.) are paid in full by us to OEMs on ordering, and the project needs heavy upfront investment. We request the supply payment be changed to: 70% on delivery of hardware and software licences at site/warehouse, 20% on site-wise I&C, and 10% on site-wise UAT. Please also allow delivery payments in more than 3 lots, as material will arrive in batches from different OEMs.	As per the terms and conditions of the tender.
26	Single Final Acceptance & Project Go-Live at D + 14 months (D1). Warranty and O&M start from D1. SLA 18.3 refers to 'Go Live of the respective phase'.	With 646 locations, rigs and remote sites, we request a phased Go-Live (for example: Phase 1 - CCC, DC and Duliajan; Phase 2 - field areas; Phase 3 - rigs and remaining sites). Please confirm that (a) UAT and the balance supply payment will be released phase-wise/site-wise, (b) warranty, O&M and O&M payments will start phase-wise from each phase Go-Live, and (c) LD, if any, will be calculated only on the value of the delayed phase and not on the full project value.	As per the terms and conditions of the tender.
27	Uptime per camera of 99.5% 'irrespective of network/power/etc. issues'.	Raw power, existing OFC and SIM operator networks are not in the contractor's control. Please exclude downtime due to (a) OIL power failure, (b) cuts or faults in OIL's existing OFC/network, (c) telecom/SIM operator network outage, (d) plant shutdowns, rig moves and access not given by OIL, and (e) damage by OIL or third-party work. Please change 'irrespective of network/power' accordingly.	Maintenance of the existing OFC utilized for the proposed solution shall be under OIL's scope, and any cuts or faults in the existing OFC shall be taken care of by OIL and shall not be part of the SLA. However, the bidder shall proactively monitor the connectivity and promptly inform OIL in case of any issue. SIM-based network connectivity shall be in the bidder's scope, and the Network SLA requirements shall also be applicable to SIM-connected sites. The stipulated 72-hour period for reinstallation/commissioning at a new rig location shall be reckoned from the time the new rig site is handed over to the bidder with the required power supply, work permit and access, and not from the date of notification of rig movement. For all other cases, SLA exclusions shall be governed by SCC Clause 18 (Service Level Agreement) and the SLA terms of the RFP.

28	Operational area diagram shows required vs available bandwidth (e.g. 108/20, 282/30, 234/30 Mbps). Network availability below 98.5% attracts deduction from quarterly bill.	Several sites show available bandwidth much lower than required. Please clarify who is responsible for closing this gap on OIL's existing links/radio towers. We request that the network SLA penalty applies only on links supplied by the contractor, and not on OIL's existing OFC/radio network or telecom operator SIM network.	All network links required for the proposed solution shall be supplied and maintained by the bidder as per the BOQ of the RFP. OIL shall provide tower infrastructure only at the locations specified in the RFP, and the availability of such tower infrastructure shall be the responsibility of OIL. Maintenance of the existing OFC utilized for the proposed solution shall be under OIL's scope. However, the bidder shall proactively monitor the connectivity and promptly inform OIL in case of any issue. SIM-based network connectivity shall be in the bidder's scope. The detailed connectivity arrangement and network design shall be finalized during the contract signing/design phase along with the SLAs.
29	OIL has an existing OFC network which shall be utilized. Detailed information regarding existing OFC infrastructure shall be provided by OIL during the project execution stage.	Existing OFC details are needed now for correct pricing. Please share the route, number of spare cores, present condition and termination points of the existing OFC. Also confirm that repair of cuts or faults in OIL's existing OFC will be done by OIL and is not part of our O&M scope.	Bidders are required to carry out a site survey before submission of their bid to assess the existing OFC routes, fibre type, spare cores, condition and termination details. Any cuts or faults in the existing OFC shall be taken care of by OIL and shall not be part of the SLA.
30	Hybrid network with Private M2M SIM-based cellular connectivity where required. Rigs and some remote sites to use Dual SIM Routers. Live view at 1080P and recording at 30 FPS 1080P for remote areas.	Mobile coverage in oilfield, forest and Arunachal areas is weak and changes when rigs move. Five 5MP PTZ cameras per rig need high and steady upload speed, which 4G often cannot give. Please confirm (a) whether OIL already has a Private APN/M2M arrangement with a telecom operator, or the bidder has to arrange it, (b) that SIM data charges will be paid on actuals, and (c) that for SIM-connected sites, full recording will be at the local viewing centre and live view at CCC will be on-demand at lower resolution. Network SLA should not apply to SIM-connected sites.	The bidder shall arrange M2M SIMs from a suitable telecom operator having network availability at the respective sites. OIL does not have any existing M2M SIM arrangement. The applicable SIM data charges shall be paid along with O&M charges as per the BOQ. For SIM-connected sites, full recording shall be maintained at the respective Local Viewing Centre, while live viewing at the CCC shall be available on demand at a lower resolution. Network SLA requirements shall also be applicable to SIM-connected sites. The bidder shall ensure adequate network connectivity at such locations and shall deploy suitable repeaters/routers or other required connectivity equipment, wherever necessary, to enhance network availability and performance. The detailed network architecture and applicable SLAs shall be finalized during the contract signing/design phase.
31	Radio links to use existing radio towers and repeater points (RS-18, RS-19, Digboi 100m tower etc.) to reach remote installations. BOQ has only 2 nos of 30 m towers.	Please confirm that OIL will provide space, power and permission to mount our radios/antennas on its existing towers and repeater points, and that the tower structure is fit for extra load. Please also clarify who obtains WPC licence/frequency approvals for outdoor radio links (we request OIL obtains these in its own name). If clear line of sight is not available during survey, any extra tower or repeater needed should be paid as extra at agreed rates.	OIL shall provide space and power on its existing towers at the identified locations for mounting of radios/antennas. The bidder shall be responsible for obtaining all applicable WPC licences/frequency approvals required for the proposed wireless solution. The network requirements have been finalized by OIL based on due assessment and site surveys. The bidder shall be responsible for designing and

			implementing a complete and workable solution. Accordingly, for addressing NLOS conditions, any additional towers, repeaters, or other network infrastructure/equipment required to establish the proposed connectivity shall be in the bidder's scope.
32	Dismantling and reinstallation of rig setup to new location within 72 hrs of notification; penalty of 0.5% of SLA payout for every day of delay. 364 relocations envisaged.	Reinstallation at a new rig can start only after the rig is set up, power is available and work permit is given. Please confirm that the 72 hours will be counted from the time the new site is handed over with power, permit and access, and not from the notification date. Also, please confirm whether OIL will provide crane/heavy transport during rig moves, or if this is in our scope.	The movement/reinstallation of CCTV cameras and associated components at OIL rigs shall be aligned with the movement of the Security Team. Accordingly, the CCTV system shall be dismantled when the Security Team moves out of the existing rig location and shall be shifted and reinstalled at the new rig location in coordination with the deployment of the Security Team. OIL shall provide the required power supply, work permit and site access at the new rig location. The stipulated 72-hour period for reinstallation/commissioning shall be reckoned from the time the new rig site is handed over to the bidder with the required power supply, work permit and access, and not from the date of notification of rig movement. All arrangements required for transportation/shifting of the CCTV cameras and associated equipment, including crane/heavy transport, wherever required, shall be in the bidder's scope. OIL shall not provide crane/heavy transport for such movement.
33	OIL shall provide single-phase 230V AC raw power at the nearest Sub-station/Electrical Panel. Contractor to provide all down the line cables and materials.	The distance from the nearest panel to each camera location is not known at bid stage, while the BOQ cable quantity is fixed. Please specify the maximum distance to be assumed per location (e.g. up to 50 m), and confirm that any cable beyond this will be paid on actuals at the quoted unit rate.	Bidders are required to conduct a site survey to determine the actual distance from panels to camera locations. Power cable details and quantities are provided in the BOQ, and bidders shall quote accordingly.
34	SOW: Contractor shall not bear any electrical power charges. BOQ: Bidder shall quote 75 KVA genset with fuel, and the recurring diesel cost under O&M considering 50 hours per month of power outage.	Actual power outage hours and diesel prices over 8 years cannot be predicted, and this makes price comparison unfair. Please confirm that all recurring electricity charges at CCC, DC, viewing centres, rigs and field locations will be borne by OIL. We request that diesel be supplied by OIL, or paid on actual consumption as per DG logbook, and that recurring diesel cost be removed from the bidder's O&M quote. Pollution Control Board consent for the DG set may also be obtained by OIL as the owner of the premises.	Recurring electricity charges at the CCC, DC, Viewing Centres, rigs and field locations shall be borne by OIL. However, electricity charges for the bidder's warehouse shall be borne by the bidder. OIL shall provide the nearest available power tapping point, and any arrangement required beyond the tapping point shall be in the bidder's scope. Diesel cost corresponding to DG operation up to 50 hours per month shall be paid to the bidder along with the applicable O&M charges. Diesel consumption/cost for DG operation beyond 50 hours per month shall be borne by OIL. The bidder shall maintain a proper DG operating and diesel consumption logbook, recording the actual operating hours/consumption, and shall make the same available for verification and audit purposes.
35	Camera locations to be finalized in consultation with OIL and local government authorities. OIL has existing ROW for OFC along pipelines. Contractor to lay OFC underground with HDD at road crossings.	Many poles and OFC routes may fall outside OIL premises (township roads, PWD/NH roads, railway crossings, forest areas, Arunachal locations). We request that obtaining all permissions and RoW, and paying any RoW fees, permission charges and road/surface restoration charges	All poles and OFC routes envisaged under the scope are within OIL premises/property. Accordingly, wherever any internal permission/approval or

		levied by authorities, be kept out of the bidder's scope and handled by OIL. Bidder will support with drawings and documents. Delays in getting permissions should not be counted for LD.	associated charges are applicable for such routes, the same shall be borne/facilitated by OIL.
36	No hot work (including welding, cutting, grinding, drilling or heating) permitted within OIL field installations. Contractor must obtain Entry Permits for all personnel. Gate access may be denied for lapsed training certificates.	Pole fixing, JB mounting and cable tray work usually need drilling or cutting. Please confirm whether OIL will issue hot work permits for these as per its permit system, or only cold work methods are to be used. Please also share (a) the usual time to issue entry permits, (b) allowed working hours and whether night/holiday work is allowed, (c) whether OIL escort is needed at sensitive sites, and (d) the process for Inner Line Permit for Arunachal. Delays in permits/access from OIL's side should be excluded from LD.	The bidder shall adopt suitable work methods in accordance with OIL guidelines and all applicable statutory requirements. Prior permission/approval from OIL shall be obtained before adopting or executing the proposed work methodology, wherever applicable. The work shall generally be carried out during OIL's normal shift hours, i.e., from 7:00 AM to 3:30 PM. In case of any urgency or requirement to continue the work beyond 3:30 PM, the bidder shall obtain prior permission from OIL. No security arrangement/personnel shall be provided by OIL for execution of the work. Further, obtaining the Inner Line Permit (ILP) for deployment/work in Arunachal Pradesh shall be the responsibility of the bidder.
37	Space for central warehouse will be provided by OIL; contractor is responsible for construction/renovation, maintenance and security. All installation charges inclusive of boarding, lodging and transport.	Please share the location, size and present condition of the warehouse space and whether power is available. Also, for remote field areas where hotels are not available, please confirm if OIL can provide transit/guest house accommodation for our staff on chargeable basis.	OIL shall provide warehouse space of approximately 1,500–2,000 sq. ft. The exact location shall be finalized during the kick-off meeting/design phase. The bidder shall ensure proper stacking, systematic storage and safe handling of all equipment and materials within the available warehouse space. OIL shall provide the nearest available power tapping point; the tapping arrangement and recurring electricity charges shall be in the bidder's scope. No transit/guest house accommodation shall be provided by OIL.
38	OIL has an existing Data Center with 42U racks which will be used for servers, storage and network equipment. Contractor shall not consider supply of racks.	Please share the present condition of the Data Center: number of free racks/rack units, available power (kVA) and UPS backup, cooling capacity, and earthing. Please confirm that any upgrade of DC power, UPS or cooling, if required, is not in our scope.	The details regarding the existing Data Center infrastructure, including available rack space, power capacity, UPS backup, cooling capacity, and earthing arrangements, shall be provided during the design phase. Any augmentation or upgrade of the existing DC power, UPS, or cooling infrastructure, if required, shall not be in the bidder's scope.
39	Clause 3.1: 40 existing cameras shall be used along with the new setup. Clause 3.3.14: approx. 150 existing cameras are to be upgraded and later decommissioned.	Both clauses give different figures. Please clarify how many existing cameras are to be integrated with the new VMS and how many are to be replaced. Kindly share make/model of the existing cameras and confirm if existing poles and cabling can be reused.	A total of 40 existing cameras are required to be integrated with the proposed VMS. The existing cameras are of Honeywell make and are ONVIF compliant. In addition, approximately 150 existing cameras are required to be replaced with the proposed cameras under the project. The final list of cameras to be integrated and replaced shall be mutually finalized with OIL during the design phase. Existing poles, cabling and associated infrastructure, wherever found suitable for reuse, shall be utilized for the proposed system. The exact infrastructure to be reused shall be jointly verified and mutually finalized with OIL during the design phase. The bidder shall carry out the required integration, replacement and reuse of the finalized existing infrastructure at no additional cost to OIL.

40	Total 85 viewing centers including 58 at operational areas, 13 portable at drilling locations and others. Porta cabins provided in BOQ only for 13 rigs.	For the 58 operational area and other fixed viewing centers, please confirm that OIL will provide the room with civil finishing, AC, furniture and power, and that the contractor's scope is limited to the IT equipment listed in the BOQ.	Yes, OIL will provide the rooms for the viewing stations at the operational areas as well as for the other fixed viewing stations.
41	Structural design of poles must be vetted and certified by an IIT.	Getting IIT vetting takes long and only a few IITs offer this service. We request OIL to also accept vetting by an NIT/Govt. Engineering College or a Chartered Structural Engineer, along with wind load calculations as per IS 875.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
42	1936 Nos of CCTV Camera across 646 locations.	Kindly reconcile this quantity with Annexure 4, where the total number of cameras is stated differently, and confirm the final camera quantity to be considered for bidding.	The quantity of 1,930 represents the cameras covered under the overall surveillance scope. An additional 6 indoor cameras are envisaged for the ICCC; therefore, the total quantity including the ICCC indoor cameras is 1,936.
43	Additionally, OIL has identified existing 40 cameras and the same shall be used along with the new setup.	Kindly confirm the final number of existing cameras to be integrated and provide the available make, model, firmware, resolution, codec, ONVIF profile, VMS compatibility and health status information for these cameras.	A total of 40 existing cameras are required to be integrated with the proposed VMS. The existing cameras are of Honeywell make and are ONVIF compliant. The final list of cameras to be integrated shall be mutually finalized with OIL during the design phase.
44	OIL currently has approximately 150 existing CCTV cameras connected to and operating through the existing Control Room, which are required to be upgraded as part of this project.	Kindly reconcile this quantity with the 40 existing cameras mentioned in Section-III page 3 in the RFP and confirm the final number of legacy cameras included in the scope.	A total of 40 existing cameras are required to be integrated with the proposed VMS. The existing cameras are of Honeywell make and are ONVIF compliant. The final list of cameras to be integrated shall be mutually finalized with OIL during the design phase.
45	The Contractor shall ensure that the deployed solution is designed in High Availability (HA) mode with adequate redundancy at server, storage, network, and application levels to avoid any single point of failure.	Kindly specify the required redundancy architecture, such as N+1/2N, expected failure scenarios and corresponding RTO/RPO requirements for the respective infrastructure layers.	The redundancy architecture shall be N+1. RTO/RPO requirements are not applicable, as no DR site is envisaged for the CCC.
46	However, the Contractor shall ensure that the solution is scalable to support up to 4,000 cameras.	Kindly clarify whether scalability to 4,000 cameras is required in terms of physical infrastructure, licenses, storage, compute, GPU, network and analytics capacity, or only through future expansion provisions.	Scalability to 4,000 cameras is required only through future expansion provisions.
47	The system shall be designed and implemented to support 2,700 cameras from Day One, including all necessary applications, hardware, and infrastructure at the Data Center and Command Center. The VMS licenses shall be provided for 2,200 cameras.	Kindly clarify how the remaining 500 cameras under the Day-One capacity are expected to be managed/recorded when only 2,200 VMS licenses are specified.	As specified in the RFP, the hardware/infrastructure shall support 2,700 cameras from Day One and the VMS licences shall be provided for 2,200 cameras.
48	Any additional hardware or license requirements beyond 2,700 cameras, and any additional VMS licenses beyond 2,200, for future integration of additional sites shall be procured based on actual requirements and only upon approval from Oil India Ltd.	Kindly clarify the applicable commercial mechanism/rates for additional VMS licenses, storage, compute, network and analytics capacity required beyond the stated quantities.	Any additional hardware/licence requirement beyond 2,700 cameras, and any additional VMS licences beyond 2,200, shall be procured based on actual requirements and only upon approval from OIL, as per the applicable contract terms.
49	Supply of Virtualization Software (640 Cores)	Kindly clarify the virtualization platform/edition, licensing metric, license duration and whether the stated 640 cores refer to physical host cores.	The quantity of 640 cores is tentative/indicative. The bidder may propose the appropriate virtualization platform, edition, licensing model, licence duration and required quantity based on the proposed solution architecture and sizing, while ensuring compliance with the technical requirements and intended functionality of the RFP.
50	Each Camera shall have onboard storage available on edge for recording of feed during network down times.	Kindly specify the minimum required edge-storage capacity and retention period per camera during communication failure, including the required SD-card endurance and replacement responsibility during O&M.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
51	For remote locations where the requisite bandwidth is not available to communicate with the central server, the analytics shall be processed locally	Kindly provide the identified locations and camera/analytics load for each location so that the required LPU/edge compute capacity can be accurately sized.	Please refer Section-IV (BOQ)/Schedule of Work, Unit and Quantity (SOQ), wherein the location-wise details are provided. Analytics details shall be finalized at the design phase.

52	LPU hardware and software should be provided by the same VA vendor providing the VA use cases.	Kindly consider permitting an independent LPU/compute OEM where the proposed hardware is fully compatible with the analytics platform and meets the specified performance requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
53	Intel Core i9-14900, 24 cores (8P + 16E), turbo 5.5 GHz ≥	Kindly consider permitting current-generation equivalent processors meeting or exceeding the required compute performance instead of restricting the specification to a particular processor model/family.	The specifications are minimum; latest-generation or higher specifications shall be acceptable.
54	NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC, CUDA cores 6144 ≥	Kindly consider permitting equivalent enterprise/professional GPUs meeting or exceeding the required VRAM, compute capability, memory bandwidth and inference performance.	The specifications are minimum; bidders may quote the GPU model specified in the RFP or a higher/latest-generation model, provided that the proposed GPU is verified and certified by the VA OEM and all defined use cases and workloads are fully supported without compromise.
55	Additionally, the Contractor shall be responsible for complete dismantling, relocation, and re-installation of surveillance components indoor/outdoor … as required by OIL	Kindly clarify the expected annual volume/maximum number of such relocations and whether major civil, electrical, OFC or foundation works arising from relocation are covered under the quoted relocation rates.	As per the terms and conditions of the tender.
56	The Contractor shall also be responsible for complete relocation of the drilling rigs sites during the entire contract period as and when required.	Kindly clarify the average relocation distance/site conditions to be considered for the quoted relocation cost and whether destination-site civil, power and connectivity readiness will be provided by OIL.	The total rig movement quantity is specified in the BOQ. Site conditions and relocation distances cannot be confirmed at bid stage.
57	The Contractor will be required to maintain sufficient vehicles for the ongoing Maintenance work and relocation of equipment along with proper tools.	Kindly specify the minimum number/type of vehicles expected, operating geography and whether fuel, driver, insurance and statutory costs are to be included in the O&M price.	Bidders are required to make their own assessment regarding the number and type of vehicles, operating geography and associated costs (fuel, driver, insurance, statutory compliance, etc.). Please refer the RFP for site locations and related details.
58	Bidder shall quote for the supply and I&C cost of 75 KVA genset, fuel, Construction of warehouse, Cost of shifting of existing 1 rack and termination in Miscellaneous costs related to CCC Electrical Renovation.	Kindly provide the warehouse size/location, existing rack details, shifting distance and relevant electrical drawings/load details required for accurate costing.	OIL shall provide warehouse space of approximately 1,500–2,000 sq. ft. The exact location shall be finalized during the kick-off meeting/design phase. As per the scope of work, the bidder shall supply and install a 75 kVA DG set at the existing Control Room only. Further, the existing rack is required to be shifted to the adjacent room within the existing Control Room premises only.
59	Supports Windows 2000/2003/XP/Vista/2008, Windows 7, Linux, unix and MAC	Kindly consider updating this requirement to currently supported operating systems/platforms or clarify the intended legacy compatibility requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
60	CPCB-II compliant	Kindly confirm the applicable statutory emission requirement to be considered at the time of supply and the treatment of any subsequent regulatory change during the contract period.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
61	The SI shall also deliver 3D design layouts, interior visualizations, and detailed engineering drawings for prior approval	Kindly provide the available architectural drawings, room dimensions, structural load capacity, electrical layout and fire-system drawings for the existing CCC/site.	As per the terms and conditions of the tender.
62	Coverage: Provide continuous air sampling in critical areas including Command-and-Control Center (CCC) and other sensitive zones.	Kindly provide the CCC floor area, ceiling height, room volume and zoning details required for VESDA/air-sampling system sizing.	As per the terms and conditions of the tender.
63	Structural design must be vetted and certified by an IIT.	Kindly consider accepting certification by an equivalent accredited structural engineering institution/competent authority meeting the applicable statutory requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
64	The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 10 years. Documentary evidence, clearly indicating the requisite experience must be submitted along with the bid.	In the interest of encouraging wider participation and enabling innovative technology providers, kindly consider allowing OEMs having demonstrable experience in developing, deploying and supporting VMS solutions in large-scale and/or mission-critical environments, irrespective of the specific number of years of manufacturing experience. This may also enable participation of emerging/start-up technology companies having proven capabilities and deployments, while ensuring that the required technical and performance standards are duly met.	As per the terms and conditions of the tender.
65	The VMS OEM must have a direct presence in India, (not through any Joint Venture (JV), distributor, reseller or any other third-party arrangement) and must have maintained a registered sales & support office in India for a minimum period of 07 years, reckoned from the original bid closing date.	Kindly consider allowing VMS OEMs that have an established and authorized sales and support presence in India, even if they do not have a direct seven-year presence through a registered office. The required support may be provided through an authorized partner, subsidiary, or service network, with the OEM remaining responsible for product performance, warranty, and support commitments. This approach may help encourage wider participation while ensuring adequate support and accountability for OIL.	As per the terms and conditions of the tender.

ANNEXURE-I

66	The VMS OEM must have supplied a minimum of 10,000 IP CCTV camera licences cumulatively in 03 CCTV surveillance system projects, either directly by the OEM or through a System Integrator (SI), over the last 07 years reckoned from the original bid closing date.	Kindly consider relaxing the eligibility requirement by allowing VMS OEMs with demonstrated experience in successful large-scale CCTV/VMS deployments, without restricting the qualification to a minimum of 10,000 IP CCTV camera licences across exactly three projects. Experience across multiple Government, PSU, industrial, smart city, or other mission-critical surveillance projects of comparable scale and complexity may kindly be considered. This would encourage wider participation while ensuring that participating OEMs have the requisite technical capability and relevant deployment experience.	As per the terms and conditions of the tender.
67	The Switch OEM must have a minimum global installed base of 10,000 Network Switches as on the original bid closing date.	Kindly consider accepting equivalent demonstrated large-scale enterprise/industrial network deployment experience, including relevant Indian Government/PSU deployments.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
68	The OEM must have supplied a minimum of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date.	Kindly consider accepting equivalent large-scale IP-camera deployments across multiple eligible projects, subject to documented successful implementation.	The clause does not restrict the number of projects; the OEM must have supplied a cumulative total of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date.
69	The OEMs must have its own company or its own R&D Centre as per CMMI quality standards in India.	Kindly clarify the specific CMMI level/requirement intended where technically appropriate.	As per the terms and conditions of the tender.
70	OEM must provide 24x7x365 onsite support.	Kindly clarify the required onsite response/restoration SLA and the geographical locations where OEM onsite support is expected.	The Storage OEM shall provide 24x7x365 onsite support. The 4-hour SLA refers to the onsite response time, with restoration timelines depending on the nature of the issue. The onsite support shall cover the project sites where the storage is deployed.
71	Should have manufactured and supplied a minimum of 3.5 PB Storage system in single order.	Kindly consider removing this specific minimum 3.5 PB single-order experience requirement, as the project requirements can be adequately addressed by storage OEMs having proven experience in designing, supplying and supporting large-scale enterprise storage environments. Relevant experience in deploying comparable storage solutions across multiple projects may be considered to ensure wider participation while maintaining the required technical capability.	As per the terms and conditions of the tender.
72	OEM must provide 24x7x365 onsite support with a 4-hour response time SLA.	Kindly clarify whether the four-hour requirement refers to acknowledgement, onsite arrival or restoration, and the geographical locations to which this SLA will apply.	The Storage OEM shall provide 24x7x365 onsite support. The 4-hour SLA refers to the onsite response time, with restoration timelines depending on the nature of the issue. The onsite support shall cover the project sites where the storage is deployed.
73	The entire passive components copper and fiber should be from a single OEM of one make.	Kindly consider permitting equivalent compliant passive components from multiple reputed OEMs where the complete installed system meets the specified standards and performance requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
74	The proposed OEM must be an active member of both the TIA and BICSI.	Kindly consider allowing OEMs having relevant experience in structured cabling and passive networking solutions, supported by compliance with the applicable TIA/ISO/IEC standards and relevant industry certifications. The requirement for active membership of both TIA and BICSI may kindly be considered as preferable rather than mandatory, or equivalent recognized industry credentials may kindly be accepted. This may help facilitate wider participation while ensuring that the required technical and quality standards are maintained	As per the terms and conditions of the tender.
75	Both the Point-to-Point and Point-to-Multipoint radios shall be of the same OEM to ensure better compatibility.	Kindly consider permitting different OEMs where interoperability, performance, regulatory compliance and required availability are demonstrated.	As per the terms and conditions of the tender.
76	The OEM should have a proven track record of installation/deployment of outdoor Point-to-Point (PTP), Point-to-Multipoint (PMP) Radio systems with at least 02 Oil & Gas companies in India	Kindly consider accepting equivalent Government, PSU or large industrial outdoor wireless deployments demonstrating comparable technical complexity and scale.	As per the terms and conditions of the tender.
77	Equipment Type Approval Certificate for the product quoted should be in the name of the OEM as per WPC GSR 38(E)	Kindly clarify the exact WPC approval/certification applicable to each proposed frequency band and radio configuration.	The Equipment Type Approval Certificate shall be in the name of the OEM as per WPC GSR 38(E). The exact WPC approval/certification applicable will depend on the frequency band and radio configuration proposed, and bidders shall submit the relevant certificates accordingly.
78	> Fire & Smoke Detection (LPU based for 17 locations with n/w issue, other locations central server-based) > PPE Kit Detection (LPU based for 17 Locations with n/w issue, other locations central server based) > Behavioral Analytics 2: Checks if the Security Guard adheres to the vehicle and	The tender specifies that the above analytics shall be processed through LPU at 17 locations. However, the camera-wise/quantity-wise bifurcation for these analytics has not been provided. Kindly provide the number of cameras at each of the 17 location for which Fire & Smoke Detection,	The tender specifies a total of 5,000 floating video analytics licences. These licences are not tied to fixed camera quantities or specific locations. During deployment, the decision on which use case (Fire & Smoke Detection, PPE Kit Detection, Behavioural

	person check protocol (LPU based for 17 Locations with n/w issue, other locations central server based)	PPE Kit Detection, and Behavioural Analytics 2 are required, along with the respective location-wise bifurcation.	Analytics, etc.) will run on which cameras and in what quantity shall be finalized as per site requirements. For location-wise camera quantities, please refer Section-IV (BOQ)/SOQ.
79	• Operates seamlessly on both Fixed and PTZ cameras.	The tender specifies that the video analytics solution shall operate seamlessly on both Fixed and PTZ cameras. However, several of the specified analytics require a stable and consistent field of view for reliable detection and tracking. Continuous pan, tilt, or zoom movement of a PTZ camera changes the scene and field of view, which may impact the accuracy and continuity of such analytics. Industry implementations commonly use fixed cameras for continuous scene analytics. In this regard, kindly clarify whether the PTZ camera is intended to remain at a fixed/predefined preset position while analytics are being performed, or whether analytics are expected to operate continuously while the PTZ camera is actively panning, tilting, or zooming. Kindly clarify the intended deployment methodology for PTZ cameras, along with the applicable PTZ operating conditions/presets. Alternatively, we request that the clause be amended to specify that analytics requiring a stable field of view shall be performed using Fixed cameras or PTZ cameras operating at a fixed preset position.	For PTZ cameras, Video Analytics shall operate in preset mode to maintain a stable Field of View; bidders shall configure the PTZ cameras to run VA on defined presets. The specific VA use cases and presets for PTZ cameras shall be finalized during the design/implementation phase in consultation with OIL.
80	18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detect,ion, Line Crossing Loitering, People Counting, face detection, Unattended Object, Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
81	18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
82	21 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection,Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.

83	14 AI Analytics Support: Up to 3 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
84	25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
85	17 AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
86	18 AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
87	25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.

88	25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
89	4 Graphics (GPU): NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC, CUDA cores ≥ 6144	The tender specifies NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC with a minimum of 6,144 CUDA cores. NVIDIA has now deprecated the RTX 4000 SFF Ada for newer NVIDIA AI Enterprise releases, with support removed from the 8.x release line. Further, NVIDIA's current-generation RTX PRO 4000 Blackwell SFF Edition provides 24 GB GDDR7 ECC memory, Blackwell architecture, fifth-generation Tensor Cores, and fourth-generation RT Cores in a compact SFF form factor. Considering the above and to avoid specifying a discontinued/deprecated product, we request the authority to amend the GPU specification to a performance-based specification and permit the latest-generation NVIDIA RTX PRO 4000 Blackwell SFF Edition or equivalent/superior GPU. Alternatively, considering the distributed video analytics requirements, the authority may also consider NVIDIA Jetson-based Edge Processing Units (LPUs) for suitable use cases. Edge-based processing can reduce the requirement for centralized GPU resources and network bandwidth while providing an economical deployment architecture. Kindly amend the clause to allow: “NVIDIA RTX PRO 4000 Blackwell SFF Edition,24 GB GDDR7 with ECC, CUDA cores ≥ 8960” Alternatively, kindly permit NVIDIA Jetson-based LPU/Edge AI devices wherever the specified analytics can be processed at the edge, subject to meeting the required performance and functionality.	The specifications are minimum; bidders may quote the GPU model specified in the RFP or a higher/latest-generation model, provided that the proposed GPU is verified and certified by the VA OEM and all defined use cases and workloads are fully supported without compromise.
90	The video analytics system shall be based on a centralized architecture, integrated with the Video Management System (VMS) at the Command-and-Control Center (CCC). For remote locations where the requisite bandwidth is not available to communicate with the central server, the analytics shall be processed locally, and the alerts shall be transmitted simultaneously to the local viewing/control room and the CCC at Duliajan.	The tender specifies various video analytics and event-based use cases; however, the retention period for storing video analytics events, alerts, and associated metadata has not been specified. We request the authority to kindly clarify the required retention period for video analytics events/metadata, including any applicable retention requirements for analytics alerts, snapshots/images, and associated event data.	The retention period for video analytics events/alerts and associated metadata shall be the same as that specified for video data in the SOW, i.e., Industrial Area & Operational Area – 90 Days and Area for General Surveillance – 30 Days (refer Clause 3.1 – Sl. No. 5 and Clause 3.3.4 of SOW).
91	Retention Period	The tender specifies various video analytics and event-based use cases; however, the retention period for storing video analytics events, alerts, and associated metadata has not been specified. We request the authority to kindly clarify the required retention period for video analytics events/metadata, including any applicable retention requirements for analytics alerts, snapshots/images, and associated event data.	The retention period for video analytics events/alerts and associated metadata shall be the same as that specified for video data in the SOW, i.e., Industrial Area & Operational Area – 90 Days and Area for General Surveillance – 30 Days (refer Clause 3.1 – Sl. No. 5 and Clause 3.3.4 of SOW).
92	Architecture	As per our understanding and as mentioned in the tender the stream from 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites, and 250 cameras assigned to DRIVE will be provided at central location, where any four of the listed analytics needed to be processed. Additionally, 17 location have a dedicated LPU will be processing which will be processing 3 analytics (Fire & Smoke, PPE kit and Security following protocol. Kindly confirm if our understanding is correct.	Yes. The streams from 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites and 250 cameras assigned to DRIVE shall be processed at the central location. At the 17 locations with network issues, the following VA use cases shall be LPU-based: Fire & Smoke Detection, PPE Kit Detection and Behavioural Analytics 2 (checks if the Security Guard adheres to the vehicle and person check protocol). A minimum of 04 VA use cases shall run on the LPUs, of which 03 are defined as above and 01 shall be decided during the design phase.

ANNEXURE-I

93	"20.1 Except as provided hereof CONTRACTOR agrees to protect, defend, indemnify and hold COMPANY harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit, which may arise in favour of CONTRACTOR's employees, agents, CONTRACTORs and sub-CONTRACTORs or their employees or in favour of any third party(is) on account of bodily injury or death, or damage to personnel/property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults."	Kindly limit indemnity to direct third-party claims attributable to the Contractor, exclude OIL-caused events, and cap the aggregate indemnity exposure at 100% of Contract Value in every case, including IPR, confidentiality and security-related indemnities. Amendment Clause: 20.1 Except as provided hereof CONTRACTOR agrees to protect, defend, indemnify and hold COMPANY harmless from and against all claims, suits, demands and causes of action, liabilities, expenses, cost, liens and judgments of every kind and character, without limit subject to an aggregate cap of 100% of the Contract Value, which may arise in favour of CONTRACTOR's employees, agents, CONTRACTORs and sub-CONTRACTORs or their employees or in favour of any third party(is) on account of bodily injury or death, or damage to personnel/property as a result of the operations contemplated hereby, regardless of whether or not said claims, demands or causes of action arise out of the negligence or otherwise, in whole or in part or other faults to the extent directly caused by the negligent act, wilful misconduct or breach of the Contractor in performing the Contract; excluding claims caused by OIL, its other contractors, OIL-provided materials/instructions, unauthorised modifications, misuse or combinations not supplied or approved by the Contractor. Justification: Limits indemnity to direct attributable claims and fixes a clear 100% aggregate exposure ceiling.	As per the terms and conditions of the tender.
94	"24.1 CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(ies). Except for the main services under this contract, CONTRACTOR may sub-contract the petty support services subject to COMPANY's prior written approval. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract."	The project necessarily depends on multiple OEMs, licensed software, telecom/cloud support, security auditors and specialist agencies. Kindly expressly permit these arrangements and disclosed JV/consortium participation. Amendment Clause: 24.1 CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(ies). Except for the main services under this contract, CONTRACTOR may sub-contract the petty support services subject to COMPANY's prior written approval. CONTRACTOR may engage disclosed consortium members, OEMs, authorised partners, cloud/telecom providers, licensed-software providers, CERT-In auditors and specialist subcontractors for relevant portions of the services, subject to prior written intimation and submission of authorisations and a responsibility matrix. OIL's approval, where expressly required for a material subcontract, shall not be unreasonably withheld or delayed. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract. Justification: Recognises essential OEM and specialist dependencies in a complex surveillance and ICT implementation.	As per the terms and conditions of the tender.
95	"26.1 CONTRACTOR shall not, without COMPANY's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing pattern, sample or information furnished by or on behalf of COMPANY in connection therewith, to any person other than a person employed by CONTRACTOR in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only, as may be necessary for purposes of such performance with prior permission from COMPANY. However, nothing hereinabove contained shall deprive the CONTRACTOR of the right to use or disclose any information which is: a) possessed by the CONTRACTOR, as evidenced by the CONTRACTOR's written records, before receipt thereof from the COMPANY which however the CONTRACTOR shall immediately inform to COMPANY; or b) required to be disclosed by the CONTRACTOR pursuant to an order of a court of competent jurisdiction or other governmental agency having the power to order such disclosure, provided the CONTRACTOR uses its best efforts to provide timely notice	Kindly permit need-to-know disclosures to the Contractor's project ecosystem and add standard independent-development, third-party-source, public-domain and legal-retention exceptions. Amendment Clause: 26.1 CONTRACTOR shall not, without COMPANY's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing pattern, sample or information furnished by or on behalf of COMPANY in connection therewith, to any person other than a person employed by CONTRACTOR in the performance of the contract, or its Affiliates, professional advisers, insurers, financiers, consortium members, OEMs and approved subcontractors having a need to know and bound by confidentiality obligations no less protective than this Clause. Disclosure to any such employed person shall be made in confidence and shall extend only, as may be necessary for purposes of such performance with prior permission from COMPANY. However, nothing hereinabove contained shall deprive the CONTRACTOR of the right to use or disclose any information which is: a) possessed by the CONTRACTOR, as evidenced by the CONTRACTOR's written records, before receipt thereof from the COMPANY which however the CONTRACTOR shall immediately inform to	As per the terms and conditions of the tender.

	to COMPANY of such order to permit COMPANY an opportunity to contest such order subject to prior permission from COMPANY."	COMPANY; or b) required to be disclosed by the CONTRACTOR pursuant to an order of a court of competent jurisdiction or other governmental agency having the power to order such disclosure, provided the CONTRACTOR uses its best efforts to provide timely notice to COMPANY of such order to permit COMPANY an opportunity to contest such order subject to prior permission from COMPANY; provided that prior notice shall not be required where legally prohibited. The foregoing restrictions shall not apply to information independently developed without use of COMPANY's Confidential Information, lawfully received from a third party without restriction, or becoming public other than through breach. Each party may retain archival copies required by law, regulation, professional standards or automated backup policy, subject to continuing confidentiality obligations. Justification: Enables necessary project disclosures while maintaining equivalent confidentiality protection.	
96	"Should either party decide not to terminate the Contract even under such condition, no payment would apply after expiry of fifteen (15) days force majeure period. [or exclusively mentioned in the SCC of the Contract]"	The blanket cessation of payment after 15 days does not address unavoidable licences, preservation, security and third-party commitments. Kindly allow documented unavoidable project costs during an extended Force Majeure event. Amendment Clause: Should either party decide not to terminate the Contract even under such condition, no payment would apply after expiry of fifteen (15) days force majeure period the Contractor shall remain entitled to payment for services actually performed and unavoidable, reasonable and documented standby, preservation, licence, third-party and non-cancellable costs incurred solely for the Project, with the affected timelines extended for the Force Majeure period. [or exclusively mentioned in the SCC of the Contract] Justification: Allocates unavoidable project-specific costs during excused delay and supports continuity.	As per the terms and conditions of the tender.
97	"44.9 Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from 44.1 to 44.8 and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination."	For termination for any reason whatsoever, kindly provide payment for work done, work in progress, project-specific procurement, non-cancellable commitments, future costs already incurred/committed solely for the Project, and demobilisation/exit costs. Amendment Clause: 44.9 Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from 44.1 to 44.8 and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination and upon termination of the contract for any reason whatsoever, the COMPANY shall pay the CONTRACTOR for all work performed and work in progress up to the termination date, usable deliverables, equipment/materials procured for the Project, non-cancellable commitments, and future costs previously incurred or irrevocably committed solely for the Project, together with reasonable demobilisation and exit-assistance costs. For avoidance of doubt, the foregoing payment entitlement shall apply without prejudice to OIL's right to recover amounts finally determined as payable by the Contractor under the Contract. Justification: Ensures fair payment of sunk, committed and transition costs on no-fault termination.	As per the terms and conditions of the tender.

ANNEXURE-I

98	"i) In the event of the Contractor's default in timely completion of the individual project specific milestones within the stipulated period, the Contractor shall be liable to pay liquidated damages @0.5% of the total cost of Phase - I (Supply) and Phase - II (Installation & Commissioning) of the contract, excl. GST, per week or part thereof of delay subject to maximum ceiling of 7.5% of the total cost of Phase - I (Supply) and Phase - II (Installation & Commissioning). Liquidated Damages shall be reckoned from the expiry date of the scheduled individual milestones."	Kindly apply LD only to Contractor-attributable delay and confirm one aggregate 10% of Contract Value cap across LD, SLA penalties/service credits and all other non-indemnity monetary remedies, without duplicate recovery. Amendment Clause: i) In the event of the Contractor's default delay solely attributable to the Contractor in timely completion of the individual project specific milestones within the stipulated period, the Contractor shall be liable to pay liquidated damages @0.5% of the total cost of Phase - I (Supply) and Phase - II (Installation & Commissioning) of the contract, excl. GST, per week or part thereof of delay subject to maximum ceiling of 7.5% of the total cost of Phase - I (Supply) and Phase - II (Installation & Commissioning). Liquidated Damages shall be reckoned from the expiry date of the scheduled individual milestones. No LD shall apply to delay caused by OIL, its other contractors, delayed approvals/access/data/power/connectivity, changes, third-party systems, Force Majeure or other causes beyond the Contractor's reasonable control. LD, all SLA penalties/service credits, set-off, risk-purchase recovery, PBG forfeiture and every other non-indemnity monetary remedy shall together not exceed 7.5 % of the Contract Value, with no duplicate recovery for the same event. Justification: Aligns delay remedies with causation, proportionality and the requested aggregate cap.	As per the terms and conditions of the tender.
99	"14 GCC Clause No. 16.0 Limitation of Liability (%) • Neither party shall be liable for indirect, consequential, special, or loss of profit/production damages, except in cases of wilful misconduct, criminal acts, or criminal negligence. • The Contractor's total liability under the contract shall be limited to 100% of the Contract Value, unless otherwise specified in the SCC. • The liability cap shall not apply to: o Liquidated Damages (LD); o Forfeiture of Performance Security/PBG; o Replacement or rectification of defective equipment/services; o Intellectual Property Rights (IPR) indemnity obligations. • The Contractor's liability shall be limited as specified above, and no indemnity shall be payable by the OIL in respect of claims exceeding such liability cap."	It is requested that all non-indemnity liability and monetary remedies be subject to one aggregate 10% of Contract Value cap, while all direct indemnity exposure is separately capped at 100% of Contract Value in every case. Amendment Clause: 14 GCC Clause No. 16.0 Limitation of Liability (%) • Neither party shall be liable for indirect, consequential, special, or loss of profit/production damages, except in cases of wilful misconduct, criminal acts, or criminal negligence. • The Contractor's total liability under the contract shall be limited to 100% of the Contract Value 7.5% of the Contract Value in aggregate for all non-indemnity liability and monetary remedies, unless otherwise specified in the SCC. • The liability cap shall not apply to: o Liquidated Damages (LD); o Forfeiture of Performance Security/PBG; o Replacement or rectification of defective equipment/services; o Intellectual Property Rights (IPR) indemnity obligations.• The 7.5% aggregate cap shall include LD, SLA penalties/service credits, set-off, withholding/nullification, risk purchase, PBG forfeiture, loss recovery, rectification costs and all other non-indemnity monetary liability, with no duplicate recovery for the same event. • All indemnity liability, including IPR, confidentiality, data/security and statutory indemnities, shall be limited to direct losses and third-party claims and capped in aggregate at 100% of the Contract Value in every case. • The Contractor's liability shall be limited as specified above, and no indemnity shall be payable by the OIL in respect of claims exceeding such liability cap.• The Contractor's liability shall be limited as specified above. OIL's payment obligations and its express indemnity obligations under the Contract shall remain unaffected. Justification: Creates a single auditable remedies ceiling and a separate 100% direct-indemnity cap.	As per the terms and conditions of the tender.

100	Bidders submitting their bid based on the experience of their Technical Collaborator/ Consortium/Joint Venture/Parent/Subsidiary/Co-subsidiary/Sister Subsidiary/ MOU with another party shall not be considered.	Request to consider consortium partnership for the tender submission. This will allow multiple India based organisation/ MSME companies to participate in the tender and make the tender competitive. The requested criteria is, Bidders submitting their bid based on the experience of their Technical Collaborator/ Consortium/Joint Venture/Parent/Subsidiary/Co-subsidiary/Sister Subsidiary/ MOU with another party shall not be considered.	Shall be reviewed. Any changes, if required, shall be reflected in a subsequent corrigendum.
101	3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs. 58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	We request to modify the clause as under for wider participants 3.1 EXPERIENCE CRITERIA: The Bidder or Consortium Partner must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder or Consortium Partner must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs.58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder/OEM or consortium partner must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder/OEM or consortium partner must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of "Flame-Proof/Ex-Proof/Outdoor Weatherproof CCTV Cameras.'	Shall be reviewed. Any changes, if required, shall be reflected in a subsequent corrigendum.
102	The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs. 58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00.	"For wider participation, we kindly request necessary changes to the clause." The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 90,00,00,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs. 55,00,00,000.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 42,00,00,000.00.	As per the terms and conditions of the tender.

103	The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras.	"We request the changes to facilitate wider participation." The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company or 500 Plus Cr reputed Organisation under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre or plant based Command and control videowall for monitoring and managing at least 950 CCTV Cameras.	As per the terms and conditions of the tender.
104	SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof or Outdoor Weatherproof CCTV Cameras.'	As per the terms and conditions of the tender.
105	Experience of executing work (as mentioned under Clause Nos. 3.1 above) through 'sub-contracting' shall not be considered for evaluation.	Experience of executing work (as mentioned under Clause Nos. 3.1 above) Business Associated with PSU for Reputed Private organisation where End customer is government shall be considered for evaluation.	As per the terms and conditions of the tender.
106	Brightness > 800 Nits	Request to consider brightness > 700 Nits Justification: For indoor control room applications, image uniformity, color accuracy, grayscale performance and operator comfort are more important than peak brightness.800 Nits is specific to one OEM. Request to consider brightness 700 Nits or better for competitive bidding. Also, Indoor LED videowalls deployed in ICCC/NOC environments operate between 400–500 Nits to reduce operator fatigue and improve visual comfort. Restricting the specification to >800 Nits limits the participation without providing significant operational advantage.	As per the terms and conditions of the tender.
107	Not mentioned - To Include for Video wall operations	Request to add External Controller - Controller should be Min 32 GB RAM Along with 480 GB SSD Based on 12 Core Intel Xeon with Windows 11 Along with Nvdia Graphic card of 12GPU With IP Streaming decoding along with H.264, MPEG2/4, MxPEG, MJPEG, V2D, H.263, VNC .Controller should be of same make of Video wall display for better integration Justification: This is required for video wall to run 24x7 operations wherein Video wall display , Controller should be from same make in order to avoid interpretability issues	As per the terms and conditions of the tender.
108	OEM must have service centre in state for minimum 3 years	Request to consider OEM Service Centre in India along with Engineer being posted in same state Justification: This will allow wider participation & competitive bidding to happen	As per the terms and conditions of the tender.
109	OEM should have implemented minimum 200+ Indoor LED Video Wall installations	Request to mention OEM should have implemented minimum 200+ Indoor LED Tiles Justification: This will allow competitive bidding to happen as active LED Experience should be counted for control room rather than commercial experiences	As per the terms and conditions of the tender.
110	CE, FCC, UL & BIS Certification	Request to consider BIS for Video wall display under make in India Justification: BIS certification is the mandatory regulatory requirement for electronic products supplied in India and demonstrates compliance with applicable Indian safety and quality standards. Requiring CE, FCC and UL simultaneously is restrictive and may unnecessarily limit competition, as different OEMs obtain certifications based on their target markets and geographies. This Will allow wider participation.	As per the terms and conditions of the tender.
111	Power Consumption 350 W/m² or Less	Request authority to amend the specification to 600 W/m² (Maximum Power Consumption) and ≤250 W/m² Typical Power Consumption, or as per OEM standard. Justification: The requirement of 350 W/m² maximum is difficult to achieve while maintaining required brightness levels. Most reputed OEMs specify 550–650 W/m² maximum with substantially lower typical operating consumption.	As per the terms and conditions of the tender.

ANNEXURE-I

112	Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	The definition of "Similar Work" specified in the tender is highly restrictive in nature, as it limits the eligibility primarily to bidders having prior experience specifically in the Oil & Gas industry. This may restrict participation of other technically competent and experienced bidders who possess extensive experience in the CCTV and electronic surveillance domain, including deployment of CCTV systems in challenging and outdoor environments. In order to ensure wider, fair and competitive participation while maintaining the required technical capability, we kindly request the Authority to suitably amend the definition of "Similar Work" as follows: "Supply, Installation & Commissioning of Flame-Proof/Ex-Proof/ utdoor Weatherproof CCTV Cameras." The above amendment will enable technically qualified and experienced CCTV system integrators to participate in the tender, thereby promoting greater competition and potentially resulting in better technical solutions and competitive pricing for the Organisation.	As per the terms and conditions of the tender.
113	Similar Works Defined strictly as: "Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras."	We Kindly Request you to amend this Clause of Similar Works as Defined strictly as: "Supply, Installation & Commissioning of CCTV Surveillance Cameras."	As per the terms and conditions of the tender.
114	Mandatory experience in Supply, Installation, & Commissioning of Flame-Proof/Ex-Proof, Outdoor CCTV with at least 1 year of O&M services under a single contract in last 7 years.	We Kindly Request you to amend the Mandatory experience as " Supply, Installation, & Commissioning of CCTV Surveillance Cameras with at least 1 year of O&M services under a single contract in last 7 years"	As per the terms and conditions of the tender.
115	Bidders submitting their bid based on the experience of their Technical Collaborator/ Consortium /Joint Venture/Co-subsidiary/Sister Subsidiary/MOU with another party shall not be considered.	We Kindly Request you to amend the Clause to allow the experience of the Technical Collaborator/ Consortium/Joint Venture/Co-subsidiary/Sister Subsidiary/ MOU with another party to be considered as part of the Bidder Experience	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
116	Subcontracting of Civil & Electrical Works: o Sub-contracting of only civil and electrical works shall be allowed only with prior written approval of Oil India Limited, Duliajan. o Even if the work is subcontracted, the sole responsibility for timely completion, quality, and compliance shall lie with the Contractor. o The Contractor shall be fully accountable for any delay, error, or non- compliance caused by its subcontracted vendor. o The details of the sub-contracting agreement(s) between the Contractor and subcontractor(s) must be submitted to Oil India Limited for review and record. o All other works including supply, installation, integration, testing, and commissioning shall be carried out directly by the successful Contractor/Contractor.	We Kindly Request you to amend the Clause to : Subcontracting of Civil, Electrical Works & IT Works o Sub-contracting of only civil, electrical and IT works shall be allowed only with prior written approval of Oil India Limited, Duliajan. o Even if the work is subcontracted, the sole responsibility for timely completion, quality, and compliance shall lie with the Contractor. o The Contractor shall be fully accountable for any delay, error, or non-compliance caused by its subcontracted vendor. o The details of the sub-contracting agreement(s) between the Contractor and subcontractor(s) must be submitted to Oil India Limited for review and record. o All other works including testing, and commissioning shall be carried out directly by the successful Contractor/Contractor.	As per the terms and conditions of the tender.
117		1. Maximum permissible age of cameras at delivery Kindly clarify the maximum permissible period between the date of manufacture and the date of delivery of the CCTV cameras. We request that a specific limit be stipulated in the tender to ensure the supply of recently manufactured equipment and avoid the delivery of aged inventory.	The maximum permissible age of CCTV cameras at the time of delivery shall not exceed six (06) months from the date of manufacture.
118	NA	2. Expected bid prices relative to the estimated budget In view of the ongoing geopolitical conflicts and the resultant increase in the cost of semiconductor chips, electronic components and other critical inputs, the prices of equipment meeting the specified technical requirements and quality standards may exceed the current estimated project budget. In this regard, we request the Tendering Authority to kindly consider the prevailing market conditions and review the estimated project cost accordingly.	The project budget has already been approved by the Competent Authority and the budgetary allocation is fixed. Therefore, any enhancement or revision of the approved budget cannot be considered at this stage. Bidders are requested to submit their offers within the approved budget, while ensuring full compliance with the specified technical requirements and prescribed quality standards.
119	12Gbps 8GB cache PCIe 4.0 with RAID 0,1,5,6,10	12Gbps 4 GB cache PCIe 4.0 with RAID 0,1,5,6,10 Justification: Standard enterprise-grade 12Gbps/24Gbps Tri-Mode PCIe 4.0 RAID controllers from leading Tier-1 OEMs (Cisco, HPE, Dell, Lenovo) are standardly equipped with 4 GB FBWC. Relaxing the requirement to "minimum 4 GB Flash-Backed Cache" maintains full data integrity, ensures carrier-grade performance, and eliminates restrictive vendor lock-in, enabling OIL to receive the most competitive techno-commercial bids.	As per the terms and conditions of the tender.

120	OEM System Management Software (Enterprise version or version with the highest level of support) with full features. Supports independent remote management through GUI empowering user to access the server remotely and employ full control. The remote Management should be independent of Server OS	Suggestion to add following clause- 1. The server management platform shall provide an on-premises, 100% air-gapped virtual appliance option that delivers full policy-based lifecycle management, firmware orchestration, and telemetry without requiring any public cloud connection, SaaS dependency, or outbound internet access. 2. The platform shall include an automated, real-time Hardware Compatibility List (HCL) compliance engine that dynamically audits installed server firmware and OS/hypervisor driver versions against official OEM compatibility matrices and highlights misalignments prior to updates. 3. The proposed centralized management and monitoring platform shall natively support multi-vendor infrastructure monitoring. It must provide agentless discovery, health monitoring, and performance telemetry (IOPS, latency, and capacity analytics) for third-party enterprise storage arrays (including Pure Storage, NetApp, and Dell EMC) as well as third-party x86 rack servers (via Redfish/IPMI standards), presenting full-stack compute, network, and storage topology within a unified single-pane-of-glass interface. Justification- 1.OIL operates critical national energy infrastructure subject to strict Ministry of Petroleum & Natural Gas (MoP&NG) and CERT-In cybersecurity directives prohibiting cloud call-homes or outbound internet connectivity from production CCTV networks. for better secure operations, kindly add the suggestive clause. 2.Driver-firmware mismatches between the server BIOS/NIC and the hypervisor/OS are the leading cause of cluster panics and dropped CCTV frames during maintenance. for better operability, kindly add the suggestive clause. 3. OIL has invested significantly in legacy servers and storage arrays across regional offices and data centers. A unified multi-vendor management plane with end-to-end telemetry allows OIL operators to isolate performance bottlenecks across mixed components in one pane of glass.	As per the terms and conditions of the tender.
121	12Gbps 8GB cache PCIe 4.0 with RAID 0,1,5,6,10	12Gbps 4 GB cache PCIe 4.0 with RAID 0,1,5,6,10 Justification: Standard enterprise-grade 12Gbps/24Gbps Tri-Mode PCIe 4.0 RAID controllers from leading Tier-1 OEMs (Cisco, HPE, Dell, Lenovo) are standardly equipped with 4 GB FBWC. Relaxing the requirement to "minimum 4 GB Flash-Backed Cache" maintains full data integrity, ensures carrier-grade performance, and eliminates restrictive vendor lock-in, enabling OIL to receive the most competitive techno-commercial bids.	As per the terms and conditions of the tender.
122	4 x NVIDIA L40S, PCIe, 350W, 48GB	min 4 x NVIDIA L40S, PCIe, 350W, 48GB or 2 X NVIDIA RTX Pro 6000: 600W, 96GB Justification: A standard 2U server (including Cisco, Dell R760, and HPE DL380 Gen11) can physically accommodate at most 2× Double-Width (DW, 300W–350W FHFL) GPUs OR 4× Single-Width (SW, 72W HHHL) GPUs (like NVIDIA L4). Fitting 4× DW 350W GPUs requires a specialized 4U server.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

123	OEM System Management Software (Enterprise version or version with the highest level of support) with full features. Supports independent remote management through GUI empowering user to access the server remotely and employ full control. The remote Management should be independent of Server OS.	Suggestion to add following clause- 1. The server management platform shall provide an on-premises, 100% air-gapped virtual appliance option that delivers full policy-based lifecycle management, firmware orchestration, and telemetry without requiring any public cloud connection, SaaS dependency, or outbound internet access. 2. The platform shall include an automated, real-time Hardware Compatibility List (HCL) compliance engine that dynamically audits installed server firmware and OS/hypervisor driver versions against official OEM compatibility matrices and highlights misalignments prior to updates. 3. The proposed centralized management and monitoring platform shall natively support multi-vendor infrastructure monitoring. It must provide agentless discovery, health monitoring, and performance telemetry (IOPS, latency, and capacity analytics) for third-party enterprise storage arrays (including Pure Storage, NetApp, and Dell EMC) as well as third-party x86 rack servers (via Redfish/IPMI standards), presenting full-stack compute, network, and storage topology within a unified single-pane-of-glass interface. Justification- 1.OIL operates critical national energy infrastructure subject to strict Ministry of Petroleum & Natural Gas (MoP&NG) and CERT-In cybersecurity directives prohibiting cloud call-homes or outbound internet connectivity from production CCTV networks. for better secure operations, kindly add the suggestive clause. 2.Driver-firmware mismatches between the server BIOS/NIC and the hypervisor/OS are the leading cause of cluster panics and dropped CCTV frames during maintenance. for better operability, kindly add the suggestive clause. 3. OIL has invested significantly in legacy servers and storage arrays across regional offices and data centers. A unified multi-vendor management plane with end-to-end telemetry allows OIL operators to isolate performance bottlenecks across mixed components in one pane of glass.	As per the terms and conditions of the tender.
124	Web-based GUI + CLI; support for SNMP v1/v2/v3, SMI-S, Telnet, FTP, TFTP/SFTP	suggestion to add the clause: 1. The SAN switch shall provide embedded, hardware-based line-rate SAN Analytics across all active Fibre Channel ports. The switch ASIC must inspect SCSI and NVMe/FC frame headers at wire speed (16G/32G) to continuously compute and report Read/Write IOPS, Throughput, I/O Exchange Completion Time (ECT), Data Access Latency (DAL), and Storage Port Aborts in real time, without requiring external physical optical taps, host software agents, or auxiliary probe hardware 2. The SAN switch shall feature hardware-enforced corrupt frame mitigation and slow-drain congestion isolation. The switch must detect and immediately drop corrupt frames (CRC errors, invalid end-of-frame delimiters, and bit errors) at the ingress port to prevent error propagation across the fabric. Furthermore, the switch must dynamically identify and isolate slow-drain devices and degraded fiber links (using automated B2B credit management and link-speed auto-recovery) to prevent fabric-wide Buffer-to-Buffer credit starvation Justification- 1. In continuous 24×7 CCTV recording, an overloaded storage LUN or failing HBA creates micro-stutters that cause VMS recording servers to drop video frames. Kindly add the clause for better operations. 2. In a CCTV SAN fabric, if a single media server, tape drive, or storage array port processes writes too slowly (due to a degrading SFP+ transceiver or dirty optical patch cord), it holds on to Buffer-to-Buffer (B2B) credits. Also, When dirty fiber or bent patch cables introduce bit errors, corrupted frames that traverse the fabric consume switch memory and trigger continuous re-transmissions. Kindly add the clause for better B2B Credit optimisation.	As per the terms and conditions of the tender.
125	12Gbps 8GB cache PCIe 4.0 with RAID 0,1,5,6,10	12Gbps 4 GB cache PCIe 4.0 with RAID 0,1,5,6,10 Justification: Standard enterprise-grade 12Gbps/24Gbps Tri-Mode PCIe 4.0 RAID controllers from leading Tier-1 OEMs (Cisco, HPE, Dell, Lenovo) are standardly equipped with 4 GB FBWC. Relaxing the requirement to "minimum 4 GB Flash-Backed Cache" maintains full data integrity, ensures	As per the terms and conditions of the tender.

		carrier-grade performance, and eliminates restrictive vendor lock-in, enabling OIL to receive the most competitive techno-commercial bids.	
126	OEM System Management Software (Enterprise version or version with the highest level of support) with full features. Supports independent remote management through GUI empowering user to access the server remotely and employ full control. The remote Management should be independent of Server OS.	Suggestion to add following clause- 1. The server management platform shall provide an on-premises, 100% air-gapped virtual appliance option that delivers full policy-based lifecycle management, firmware orchestration, and telemetry without requiring any public cloud connection, SaaS dependency, or outbound internet access. 2. The platform shall include an automated, real-time Hardware Compatibility List (HCL) compliance engine that dynamically audits installed server firmware and OS/hypervisor driver versions against official OEM compatibility matrices and highlights misalignments prior to updates. 3. The proposed centralized management and monitoring platform shall natively support multi-vendor infrastructure monitoring. It must provide agentless discovery, health monitoring, and performance telemetry (IOPS, latency, and capacity analytics) for third-party enterprise storage arrays (including Pure Storage, NetApp, and Dell EMC) as well as third-party x86 rack servers (via Redfish/IPMI standards), presenting full-stack compute, network, and storage topology within a unified single-pane-of-glass interface. Justification- 1.OIL operates critical national energy infrastructure subject to strict Ministry of Petroleum & Natural Gas (MoP&NG) and CERT-In cybersecurity directives prohibiting cloud call-homes or outbound internet connectivity from production CCTV networks. for better secure operations, kindly add the suggestive clause. 2.Driver-firmware mismatches between the server BIOS/NIC and the hypervisor/OS are the leading cause of cluster panics and dropped CCTV frames during maintenance. for better operatablility, kindly add the suggestive clause. 3. OIL has invested significantly in legacy servers and storage arrays across regional offices and data centers. A unified multi-vendor management plane with end-to-end telemetry allows OIL operators to isolate performance bottlenecks across mixed components in one pane of glass.	As per the terms and conditions of the tender.
127	12Gbps 8GB cache PCIe 4.0 with RAID 0,1,5,6,10	12Gbps 4 GB cache PCIe 4.0 with RAID 0,1,5,6,10 Justification: Standard enterprise-grade 12Gbps/24Gbps Tri-Mode PCIe 4.0 RAID controllers from leading Tier-1 OEMs (Cisco, HPE, Dell, Lenovo) are standardly equipped with 4 GB FBWC. Relaxing the requirement to "minimum 4 GB Flash-Backed Cache" maintains full data integrity, ensures carrier-grade performance, and eliminates restrictive vendor lock-in, enabling OIL to receive the most competitive techno-commercial bids.	As per the terms and conditions of the tender.
128	Real-time out-of-band hardware performance monitoring & alerting • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health • Out-of-band hardware & firmware inventory • Zero-touch auto configuration to auto deploy a baseline server configuration profile • Automated hardware configuration and Operating System deployment to multiple servers • Zero-touch repository manager and self-updating firmware system • Virtual IO management/stateless computing	Suggestion to add following clause- 1. The server management platform shall provide an on-premises, 100% air-gapped virtual appliance option that delivers full policy-based lifecycle management, firmware orchestration, and telemetry without requiring any public cloud connection, SaaS dependency, or outbound internet access. 2.. The proposed centralized management and monitoring platform shall natively support multi-vendor infrastructure monitoring. It must provide agentless discovery, health monitoring, and performance telemetry (IOPS, latency, and capacity analytics) for third-party enterprise storage arrays (including Pure Storage, NetApp, and Dell EMC) as well as third-party x86 rack servers (via Redfish/IPMI standards), presenting full-stack compute, network, and storage topology within a unified single-pane-of-glass interface. Justification- 1.OIL operates critical national energy infrastructure subject to strict Ministry of Petroleum & Natural Gas (MoP&NG) and CERT-In cybersecurity directives prohibiting cloud call-homes or outbound internet connectivity from production CCTV networks. for better secure operations, kindly add the suggestive clause. 2. OIL has invested significantly in legacy servers and storage arrays across regional offices and	As per the terms and conditions of the tender.

		data centers. A unified multi-vendor management plane with end-to-end telemetry allows OIL operators to isolate performance bottlenecks across mixed components in one pane of glass.	
129	Should have integrated LCD based display panel on server chassis or security bezel which displays system ID, status information and system error code followed by descriptive text. LCD background should light up in different colors during normal system operation & error conditions.	Suggestion to add the clause- The platform shall include an automated, real-time Hardware Compatibility List (HCL) compliance engine that dynamically audits installed server firmware and OS/hypervisor driver versions against official OEM compatibility matrices and highlights misalignments prior to updates. Justification: Driver-firmware mismatches between the server BIOS/NIC and the hypervisor/OS are the leading cause of cluster panics and dropped CCTV frames during maintenance. for better operatablility, kindly add the suggestive clause.	As per the terms and conditions of the tender.
130	GDPR, ISO 27001, Indian IT Act	GDPR Compliance: Will this deployment operate within the EU, triggering mandatory GDPR compliance? Does the firewall deployment in India require MTCTE certification under the India IT Act?	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
131	Must be validated by NSS Labs/ICSA Labs	Must be validated by NSS Labs/ICSA Labs/CC (EAL 4) Remarks: Cisco Firepower is certified under Common Criteria EAL4+ (ISO/IEC 15408). Unlike commercial lab testing, Common Criteria is a government-backed, international benchmark for security products. EAL4+ provides rigorous, independent verification of threat defence capabilities, source code integrity, and architectural security.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
132	2. iii. OEM should have its manufacturing units, components and finished goods warehouse, R&D labs and direct service center with toll-free number in India	Since passive cables and components does not need any service or repair, we request you to kindly delete the part of the clause "and direct service center with toll-free number". This is applicable for active products and serviceable items.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
133	4. The Proposed OEM should be CE Certified and its own manufacturing facility must adhere to ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Silver Rated	Please delete the CE and ISO 27001 certification clauses since these do not apply to passive cabling OEM's.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
134	6. The proposed OEM must be an active member of both the TIA and BICSI. Additionally, the OEM shall have on its Indian payroll at least vendor neutral certified professional holding CDCP, CFOS, ITIL and either PMI-PMP or RCDD credentials.	Point of query/clarification: Please review and amend this clause to suit the OEM credential. The memberships and certifications mentioned are not applicable to structured cabling OEM/systems. BICSI membership is applicable for individuals, and not for OEM's. OEM's are generally collaborators or sponsors with BICSI. Similarly, ITIL/PMP are project management program which is not applicable for any OEM manpower for this project. PMP should be on bidder's role, not OEM. Similarly, CDCP is a data center certification which may not align with a campus CCTV network implementation project. Hence request for your kind review and clarification on these ambiguous ask of OEM credential. Requested amendments: Request to amend this clause as: The Proposed OEM should be a member of TIA or ISO committee and should have RCDD manpower on the OEM's payroll sitting in India whose services can be utilized for this project.	As per the terms and conditions of the tender.
135		Point of query/clarification: Since the Cable shall be used for connecting Cameras over POE, it must support error free transmission of latest 4PPoE application. Requested amendments: Request to consider: CAT6 UTP cable shall comply to the requirements of latest IEEE 802.3bt (type 4) application for 4 pair POE.	As per the terms and conditions of the tender.
136		Point of query/clarification: Since video signals are prone to packet loss, which results in freezed frames, jitter and blurry image rendition, the zero-bit error rate testing as per the IEEE 802.3 protocol for the CAT6 cabling channel under 100m must be validated. This is a critical performance criteria for selection of CAT6 cables, especially for surveillance applications. Requested amendments: Request to consider the very critical parameter to ensure optimum performance for the cable: "Shall be tested for zero BER transmission of 1000BASE-T protocol as per IEEE 802.3 standard under 4 connection 100m channel."	As per the terms and conditions of the tender.
137	7. Conductor Resistance: <93.8 Ohm/km	Point of query/clarification: Seems there is a misprint here, since CAT6 cables are measured in 100m channels and not in Km. Also the limit of over 93.8 Ohm/km is too high for error free transmission in CAT6 channel. Hence request for review and correct the value and unit.	As per the terms and conditions of the tender.

ANNEXURE-I

		Requested amendments: Requested amendment: Conductor resistance: <=7.80 Ohm/100m	
138	11. Flammability Test: IEC 60332-1	Point of query/clarification: The recommended flammability test for LSZH jacketed cables is IEC 60332-3-22 which is more aligned towards the actual installtion conditions and hence provide greater safety in the event of fire. IEC 60332-1 is a basic LSZH test which may fail to measure the flammability of bundled cables which is used in practical installations. Requested amendments: Request to amend this clause as: Flammability Test: IEC 60332-3-22 certified by Intertek/3rd party lab	As per the terms and conditions of the tender.
139	13. OEM should be registered under an NRTL approved lab follow-up program	Please delete this clause, as this is not relevant and may be restrictive.	As per the terms and conditions of the tender.
140	13. The Proposed OEM should be CE Certified and its own manufacturing facility must adhere to ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Silver Rated	Please delete the CE and ISO 27001 certification clauses since these do not apply to passive cabling OEM's.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
141	24. Standardization: ISO/IEC 11801 ed. 2.2; IEC 61156-5 2nd Ed.; EN 50173-1; EN 50288-6-1; TIA 568-C.2; Fire rating: IEC 60332-1; IEC 60754-2; IEC 61034; 1-250 MHz (Minimum),	Request to delete the standards "IEC 61156-5 2nd, EN 50288-6-1, Fire rating: IEC 60332-1; IEC 60754-2; IEC 61034" since these are not applicable for the given cable construction. This seems to be a type error, hence to avoid confusion, we request to delete these standards.	As per the terms and conditions of the tender.
142		Point of query/clarification: Please specify the min acceptable link length for the outdoor cable. Since most CAT6 outdoor rated cables does not support the full 90 mtr of link length for CAT6, it is important to specify the acceptable min length to select the right product. Requested amendments: We request to consider " The CAT6 outdoor cable shall support the requirements of ANSI/TIA Cat 6 Channel for upto 70 Meter."	As per the terms and conditions of the tender.
143	25. The OEM shall be recognized by Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Request to delete this clause, since this would only allow SME players to qualify for the bid. Global OEM's will not have this credential.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
144	All networking passive material (Fiber Cable, Copper Cables, Networking Racks and their connectivity components) should be from one OEM make only	Request to delete the term 'Networking Racks' from this clause, since this is a restrictive clause. This would give undue advantage to a select few OEM's only.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
145	8. Strength member: 2 Nos. of steel wires	Point of query/clarification: Steel wires does not provide all around strength to the cable, neither they do have any water blocking feature. Please confirm if bidders need to consider good quality strength member and water blocking element to the cable. Requested amendments: Request to consider: "Strength member - peripheral Water blocking glass yarns"	As per the terms and conditions of the tender.
146	15. Temperature Range: Operating Temperature Range: -40°C to +75 °C	Request to amend this as Operating Temperature Range: -20°C to +70 °C	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
147	16. Cable Kink Radius: 10 x Cable Diam.	Request to review and amend this cluase, since the min bending radius for multi tube armored cables should be 16 x Cable Dia. 10xOD is applicable for indoor non armored cables.	As per the terms and conditions of the tender.
148	16. Cable Max. Tensile Strength (Short Term): 3000 N	Please review and consider the tensile strength as 4000N or better, as applicable for multitube cables.	As per the terms and conditions of the tender.
149	16. Cable Max. Crush Resistance (Short Term): 3000 N/100mm	Please review and consider the Crush resistance as 4000N or better, as applicable for multitube cables.	As per the terms and conditions of the tender.
150	17. The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Request to delete this clause, since this would only allow SME players to qualify for the bid. Global OEM's will not have this credential.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
151	11. Termination Interface: Front Mated Connection: minimum 700 Cycles	Point of query/clarification: Since the panel ports shall be used to connect camera cables over POE, the uncontrolled arcing effect may erode the gold plated contacts over repeated connections. Hence it is important to specify the mating cycle life of the panel ports and jacks in consideration of the intended application to be connected. Requested amendments: Request to review and consider: Front mating connection life shall be min 3000 cycles under 90W of PoE load.	As per the terms and conditions of the tender.
152	21. All networking passive material (Copper Cables, Networking Racks and their connectivity components) should be from one OEM make only	Request to delete the term 'Networking Racks' from this clause, since this is a restrictive clause. This would give undue advantage to a select few OEM's only.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

153	22. The Proposed OEM should be CE Certified, and its own manufacturing facility must adhere to ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Rated (Certificates to be Enclosed)	Please delete the CE and ISO 27001 certification clauses since these do not apply to passive cabling OEM's.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
154	22. Shall be tested for Corrosion as per ASTM B117: 2019. (Relevant Document to be shared)	Please delete this clause, as this is not relevant and may be restrictive.	As per the terms and conditions of the tender.
155	3. Type: 48 Core Single mode (9/125µm) G652 Fiber optic Outdoor Armoured Cable	Please confirm if the standard Single mode OS1 grade cable is acceptable. Note that this fiber has higher losses however will be economical in cost. Hence in case the projects needs the low loss Single mode fiber, we request to kindly mention the term 'OS2 grade fiber' in the specification.	As per the terms and conditions of the tender.
156	8. Strength member: 2 Nos. of steel wires	Point of query/clarification: Steel wires does not provide all around strength to the cable, neither they do have any water blocking feature. Please confirm if bidders need to consider good quality strength member and water blocking element to the cable. Requested amendments: Request to consider: "Strength member - peripheral Water blocking glass yarns"	As per the terms and conditions of the tender.
157	10. Outer Sheath	Point of query/clarification: Please mention the min outer sheath diameter to be considered for the cable. Requested amendments: Recommended sheath thickness for mult-tube cables is "min 2.0mm". Please consider and add this point to let all bidders quote for similar product.	As per the terms and conditions of the tender.
158	14. Optical properties: 1320 Wavelength (nm): ≤0.36 dB/km; 1550 Wavelength (nm): ≤0.24 dB/km; 1625 Wavelength (nm): ≤0.26 dB/km	Point of query/clarification: Seems there is some misprint in the wavelength and loss values. Request you to review and amend with correct values as applicable for low loss single mode fiber cables. Requested amendments: Request to amend this as " 1310 Wavelength (nm): ≤0.34 dB/km; 1550 Wavelength (nm): ≤0.22 dB/km; 1386 Wavelength (nm): ≤0.31 dB/km"	As per the terms and conditions of the tender.
159	15. Temperature Range: Operating Temperature Range: -40°C to +75 °C	Request to amend this as Operating Temperature Range: -20°C to +70 °C	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
160	16. Cable Kink Radius: 10 x Cable Diam.	Request to review and amend this clause, since the min bending radius for multi tube armored cables should be 16 x Cable Dia. 10xOD is applicable for indoor non armored cables.	As per the terms and conditions of the tender.
161	16. Cable Max. Crush Resistance (Short Term): 3000 N/100mm	Please review and consider the Crush resistance as 4000N or better, as applicable for multitube cables.	As per the terms and conditions of the tender.
162	17. The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Request to delete this clause, since this would only allow SME players to qualify for the bid. Global OEM's will not have this credential.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
163	4. Single Mode (OS1/OS2)	For single mode fiber, please specify any one either OS1 or OS2 as there is a cost and performance difference between the 2 variants. It will not be fair to compare an OS1 fiber with OS2.	As per the terms and conditions of the tender.
164	8. Outer Jacket Material: LSZH/PVC/OFNR	Please delete the PVC term from the parameter, since it is highly flammable and hazardous in refinery environments.	As per the terms and conditions of the tender.
165	13. Operating Temperature: -40°C to +75°C	Request to amend this as Operating Temperature Range: -10°C to +60 °C as applicable to fiber patch cords.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
166	NA	Please confirm on the qty of passive cabling items to be considered for price bid. The Passive cabling items are completely missing from the supply scope, however they are mentioned under installation and services scope. Please clarify if bidders need to supply the passive cabling items, if yes, then please confirm the qty break up.	Passive cabling items are included under the Installation & Commissioning (I&C) scope. Bidders are required to quote as per the Price Bid Format provided in the RFP, factoring in all passive cabling items required for successful installation and commissioning. For details of the applicable components and quantities, bidders shall refer to the site-wise Components BOQ provided in the RFP.
167	-	1. Experience Criteria: Under Clause 3.1-II, can the experience requirements for outdoor CCTV cameras, flame-proof cameras, video analytics and Command & Control Centre be demonstrated through different eligible contracts, provided the aggregate requirement is met within the stipulated maximum of three contracts?	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

168		2. Flame-Proof CCTV Experience: For Clause 3.1-III, would experience involving deployment and O&M of flame-proof/ex-proof surveillance equipment as part of a larger integrated surveillance/ITS project be considered eligible, subject to appropriate client certification?	Experience involving deployment and O&M of flame-proof/ex-proof surveillance equipment as part of a larger integrated surveillance/ITS project shall be considered eligible under Criterion IV) of the revised BEC Clause 3.1 (Criterion III) of the RFP), provided the work order specifically includes flame-proof/ex-proof surveillance equipment with at least 01 year of O&M completed, supported by appropriate client certification.
169		3. Video Intelligence Platform/OEM: Can the bidder propose a specialised AI/Video Intelligence technology OEM for video analytics, natural-language search, metadata search and associated AI capabilities, while the prime bidder remains responsible for complete turnkey execution?	As per the terms and conditions of the tender.
170		4. PoC: Kindly clarify the expected number/type of cameras, analytics use cases and infrastructure to be demonstrated during the PoC, and the preparation period that will be provided after site allocation.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
171		5. Existing Infrastructure Integration: Please clarify whether the proposed Video Intelligence Platform/VMS is expected to integrate existing OIL CCTV feeds and third-party cameras/VMS in addition to the new cameras being supplied under this tender.	A total of 40 existing cameras are required to be integrated with the proposed VMS. The existing cameras are of Honeywell make and are ONVIF compliant. In addition, approximately 150 existing cameras are required to be replaced with the proposed cameras under the project. The final list of cameras to be integrated and replaced shall be mutually finalized with OIL during the design phase.
172		6. AI Platform Scalability: Can bidders demonstrate additional AI capabilities beyond the mandatory PoC requirements including cross-camera investigation, advanced natural-language video search and additional safety/security analytics without these being treated as deviations from the tender specifications?	The bidder shall first demonstrate compliance with the AI capabilities and PoC criteria specified in the RFP. In addition to the stipulated requirements, the bidder may also demonstrate any additional AI capabilities/features available in the proposed solution.

173	The proposed OEM must be an active member of both the TIA and BICSI. Additionally, the OEM shall have on its Indian payroll at least vendor neutral certified professional holding CDCP, CFOS, ITIL and either PMI-PMP or RCDD credentials. The services of this professional must be available for consultation and direct involvement in the design, deployment, and oversight of this project. Valid Certificates of the OEM employees along with a letter from the OEM HR verifying that the employees are sitting in India should be submitted. (Details must be provided).	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.
174	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.

ANNEXURE-I

175	The OEM shall be recognized by Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Changes Request: The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration. Justification: The DPIIT sector-specific recognition mentioned in the clause is a classification of the Industry and Internal Trade department's database, and it is not a measure of product quality, manufacturing capability or technical competence. Indian OEMs that manufacture locally, comply with ISO 9001:2015/14001:2015/45001:2018 and meet the local content requirements of the Public Procurement (Preference to Make in India) Order, 2017 would be excluded solely because of how their entity is classified. We therefore request that the clause be modified to accept alternative evidence of Indian manufacturing status, such as a Make in India local supplier certificate, ISO certification and incorporation/GST documents. This retains the tender's intent of preferring genuine Indian OEMs while keeping the specification generic and non-restrictive, in line with GFR 2017, and widening competition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
176	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Changes Request: The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration. Justification: The DPIIT sector-specific recognition mentioned in the clause is a classification of the Industry and Internal Trade department's database, and it is not a measure of product quality, manufacturing capability or technical competence. Indian OEMs that manufacture locally, comply with ISO 9001:2015/14001:2015/45001:2018 and meet the local content requirements of the Public Procurement (Preference to Make in India) Order, 2017 would be excluded solely because of how their entity is classified. We therefore request that the clause be modified to accept alternative evidence of Indian manufacturing status, such as a Make in India local supplier certificate, ISO certification and incorporation/GST documents. This retains the tender's intent of preferring genuine Indian OEMs while keeping the specification generic and non-restrictive, in line with GFR 2017, and widening competition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
177	ISO 9001, RoHS, CE certified	Changes Request: Remove RoHS & CE Certificate	As per the terms and conditions of the tender.

ANNEXURE-I

178	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.
179	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	Changes Request: The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification. Justification: The existing clause does not say whether one individual must hold all the listed credentials or whether they may be spread across the OEM's India-based team, which leaves room for inconsistent bidder interpretation and evaluation. The "either PMI-PMP or RCDD" alternative, combined with mandatory BICSI membership and a long list of credentials for one person, can narrow eligibility to very few OEMs and conflicts with the public procurement principle (GFR 2017/CVC guidelines) of generic, non-restrictive specifications. The revised clause keeps the technical bar high but groups the credentials by function: design (CDCP/CFOS/CFHP), project management (ITIL and PMI-PMP), and testing and certification (CFOT/CCTT). This adds coverage of the testing and certification stage, which the original clause lacks but which determines whether the installed passive infrastructure performs to standard. Requiring a full-time professional on the OEM's direct payroll in India, with an HR declaration, prevents third-party or overseas staff being named only to meet the clause and ensures on-site availability during design, deployment and certification. Valid certificate copies are required and all credentials are subject to verification, so the purchaser is protected against misrepresentation. We therefore request that the clause be amended as proposed, as it preserves the intent of the original, gives a clearer and more objective evaluation basis, and widens participation by qualified OEMs, which will improve the competitiveness of the bids received.	As per the terms and conditions of the tender.

180	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Changes Request: The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration. Justification: The DPIIT sector-specific recognition mentioned in the clause is a classification of the Industry and Internal Trade department's database, and it is not a measure of product quality, manufacturing capability or technical competence. Indian OEMs that manufacture locally, comply with ISO 9001:2015/14001:2015/45001:2018 and meet the local content requirements of the Public Procurement (Preference to Make in India) Order, 2017 would be excluded solely because of how their entity is classified. We therefore request that the clause be modified to accept alternative evidence of Indian manufacturing status, such as a Make in India local supplier certificate, ISO certification and incorporation/GST documents. This retains the tender's intent of preferring genuine Indian OEMs while keeping the specification generic and non-restrictive, in line with GFR 2017, and widening competition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
181		Comments: The current specifications appear to be closely aligned with a specific OEM platform. Consequently, Dell Technologies is unable to meet certain stated requirements, limiting our participation despite our extensive experience and leadership in enterprise storage and infrastructure solutions, including deployments supporting demanding video surveillance (CCTV) workloads.	As per the terms and conditions of the tender.
182	Offered Unified Storage must have scale-up and scale-out architecture for SAN and NAS protocols asked, it must scale to 8 or more controllers for future expansion. It must support mixing of controllers within same generation and across generation of controller models.	Offered Storage must have an enterprise architecture for SAN and/ or NAS protocols, it must scale to 8 or more controllers/nodes for future expansion. It must support mixing of controllers/nodes within same generation and across generation of controller/node models. Comments: CCTV workloads are best suited to a scale-out NAS architecture because it provides centralized file-based storage and allows capacity and performance to be expanded non-disruptively as the number of cameras, recording resolution and retention period increase. The heading mentions "ANNEXURE 2.1.13: TECHNICAL SPECIFICATION AND COMPLIANCE OF SAN STORAGE". The Architecture mentions "Offered Unified Storage" whereas the CCTV workloads are best suited to a scale-out NAS architecture as CCTV clips are basically files. Hence, requesting Oil Inida to mention the requirement as enterprise storage to be offered for the project and let the bidders offer SAN or NAS or Unified storage compatible with the VMS application being proposed.	As per the terms and conditions of the tender.
183	Offered Storage must be supplied with 3.5 PB Usable capacity with maximum 24TB NL-SAS HDD after concurrent triple drive failure protection. Offered Storage should be configured with 1 hot spare per 25 drives installed. Offered Storage system shall be configured with minimum 2TB SSD Flash cache.	The solution shall provide at least 3.5 PB usable capacity after applying the proposed data-protection scheme and shall support protection against concurrent drive failures in accordance with the OEM-recommended protection policy. The solution shall provide distributed data protection with automatic rebuild and recovery without relying on dedicated hot-spare drives. The solution shall include the OEM-supported SSD cache configuration appropriate for the selected capacity, node configuration and workload. Comments: CCTV data grows continuously due to increasing camera counts, higher video resolution and longer retention requirements. A distributed scale-out architecture allows capacity to be expanded as required without major redesign.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

184	Offered Storage must be configured with minimum dual controllers of PCIe-Gen3 or higher. Each controller shall have a minimum of 32 Cores and minimum 128 GB DRAM based Global/Federated Cache/Memory per controller. Offered Storage must support multi-controller scale-out architecture. Writes in the cache must be protected in the event of unplanned power outage by destaging to persistent storage or battery backed cache.	The solution shall provide distributed processing, memory and cache resources across the storage cluster and shall meet the required aggregate performance and capacity. The solution shall provide sufficient aggregate processing capacity, memory and cache resources across the storage cluster to meet the required workload and performance objectives. The solution shall support non-disruptive scale-out expansion by adding supported storage nodes, with capacity and performance increasing across the cluster. The solution shall protect in-flight and cached data during an unplanned power outage through persistent journaling, protected cache, non-volatile mechanisms or another OEM-supported data-protection method. Comments: CCTV workloads benefit from distributed processing and protection across multiple storage nodes, reducing dependency on a single controller pair and supporting continuous recording availability.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
185	Storage must be offered with minimum 4x32Gbps FC ports and 4 x 10GbE SFP+ Ethernet ports on each of the offered controllers supporting asked protocols.	The proposed solution shall provide the required Ethernet connectivity for NAS workloads. Any FC or block-storage connectivity requirement may be delivered through a complementary block-storage platform. Comments: CCTV video-recording systems primarily use file-based NAS access and Ethernet connectivity. FC connectivity is not essential for the proposed CCTV workload.	As per the terms and conditions of the tender.
186	Offered Storage must support scalability minimum of 1200 Drives within the offered dual controllers.	The solution shall support expansion to the required drive count and usable capacity by adding supported storage nodes and chassis within the OEM-defined cluster limits. Comments: Node-based expansion is more suitable for CCTV environments because additional storage can be added as recording capacity and retention requirements increase.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
187	Offered Storage shall be capable to deliver 2400 MBps of sequential	The solution shall meet the required aggregate NAS throughput for the proposed workload. Performance shall be validated using an agreed file-based benchmark, workload profile and test methodology. Comments: CCTV workloads consist primarily of concurrent sequential file writes from multiple camera streams. Therefore, performance should be evaluated using a file/NAS benchmark representative of the proposed CCTV environment.	As per the terms and conditions of the tender.
188	100% write throughput for a block size of Max 64KB.	Comments: Please clarify the required file-system workload.	The throughput shall be measured on NFS or CIFS protocols.
189	The storage operating system must provide FC, iSCSI, NFS (NFSv3, NFSv4, NFSv4.1) CIFS/SMB protocols natively to support heterogeneous application environment.	The proposed solution shall natively support NFSv3, NFSv4, NFSv4.1 and SMB/CIFS protocols. Any FC or iSCSI requirement may be provided through a complementary block-storage platform. Comments: CCTV recording platforms generally require file-based NAS access. Native NFS and SMB support is therefore more relevant than FC or iSCSI block connectivity.	As per the terms and conditions of the tender.
190	Offered Storage must support minimum of 1000 Redirect on write snapshots per volume, Production SAN and NAS Volumes must be protected with point-in-time copies. Administrator must be able to setup a policy to take snapshots every 1 hour and retaining it for one month.	The solution shall support policy-based, point-in-time snapshots for file systems, with configurable snapshot frequency and retention, subject to the supported system limits. The administrator shall be able to configure scheduled file-system snapshots at an interval of one hour and retain them for one month, subject to the supported system limits and available capacity. Comments: CCTV workloads require protection and retention of recorded video files; therefore, the snapshot count should be specified according to the supported file-system architecture and capacity.	As per the terms and conditions of the tender.
191	Offered Storage must support Inline as well as post-process deduplication, compression for both Block and File data. Data reduction must be maintained while Tiering and replicating the data.	The solution shall support compression and deduplication for file data through inline and/or post-process data-reduction capabilities, as supported by the proposed configuration. The solution shall preserve or efficiently reapply supported data-reduction benefits during policy-based tiering and replication, subject to the target platform and replication method.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		Comments: File-based data reduction is relevant for optimizing the storage capacity required for long-term CCTV video retention.	
192	Offered Storage must have capability to implement Quality of Service which must allow administrators to limit IOPS and throughput for certain Block Luns and File shares. Required HW and SW must be offered.	The solution shall provide quality-of-service controls for file workloads, including configurable throughput and/or IOPS limits where supported. All required hardware, software and licenses shall be included in the offered solution. Comments: File-level QoS is more relevant to CCTV workloads than block LUN-based QoS because multiple camera streams share the NAS infrastructure.	As per the terms and conditions of the tender.
193	Offered Storage must provide Latest CSI driver for providing persistent storage to K8s environments, CSI driver must be a supported by the OEM.	The solution shall provide an OEM-supported CSI driver for Kubernetes persistent-storage integration. The offered driver version shall be compatible with the proposed storage software release and the customer's Kubernetes environment. Comments: The CSI driver shall be included only where Kubernetes integration is required for the proposed solution.	As per the terms and conditions of the tender.
194	Offered Storage must be configured with required Licenses to configure: Synchronous and Asynchronous Replication between 2 DCs for both Block and File Protocols.	The solution shall provide licensed asynchronous file-based replication between two data centers. Any synchronous or block-level replication requirement may be delivered through a complementary block-storage platform. Comments: Asynchronous file-based replication is suitable for CCTV disaster recovery and remote-site protection while reducing WAN bandwidth requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
195	Offered Storage replication should be secured by end-to-end encryption and bandwidth optimization over a WAN link.	Replication traffic shall support encryption in transit and bandwidth-efficient transfer over WAN links, subject to the capabilities of the selected replication method and configuration. Comments: Encryption in transit protects replication data during WAN transfer. Bandwidth optimization may vary depending on the replication method, data type and configuration.	As per the terms and conditions of the tender.
196	The proposed storage array must support data-at-rest encryption in compliance with FIPS certification managed by On-board Key Manager or External Key Manager.	The solution shall support data-at-rest encryption using supported self-encrypting drives or equivalent encryption technology and shall provide FIPS-compliant options where required. Key management shall be supported through an onboard or external key-management solution. Comments: The objective is to achieve data-at-rest encryption in compliance with FIPS. Kindly leave it to the bidders as to how it is implemented.	As per the terms and conditions of the tender.
197	The storage system should offer capability to identify and remediate ransomware attacks using autonomous ransomware protection within the controllers. The offered system should support ransomware and insider threat detection to protect data with early detection and actionable intelligence on ransomware and other malware incursions.	The solution shall provide ransomware resilience through its supported security, audit, snapshot, retention and recovery capabilities. Advanced cybersecurity monitoring, anomaly detection, threat detection and actionable recovery intelligence may be provided through a validated third-party add-on cybersecurity solution offered by an OEM-authorized partner. Such cybersecurity capabilities shall not be considered native features of the proposed storage solution. Comments: Storage-level security features such as auditing, snapshots, retention and recovery help protect CCTV recordings from accidental deletion, corruption and ransomware impact. Advanced ransomware, insider-threat and malware detection are not native features of the proposed storage solution and may be provided through a validated cybersecurity add-on from an OEM-authorized partner.	As per the terms and conditions of the tender.
198	Overall Security of Storage system should be based on Zero Trust Framework	The solution shall support a defence-in-depth and Zero Trust-aligned security architecture, including role-based access control, secure administration, identity integration, auditing, encryption and network segmentation. Comments: A Zero Trust-aligned architecture is appropriate for CCTV environments because it enables role-based access control, secure administration, identity validation, auditing, encryption and network segmentation.	As per the terms and conditions of the tender.

199	The storage should be configured to protect the data with WORM protection.	The solution shall support policy-based WORM retention to protect designated files from alteration or deletion for the defined retention period. Comments: WORM protection is important for preserving CCTV recordings for security investigations, regulatory requirements and legal use.	As per the terms and conditions of the tender.
200	The storage system must offer management and monitoring layer supporting performance monitoring, utilization, provisioning, monitoring alerts, configuration and reporting around Data Protection, reporting File system analytics to analyse Capacity usage, File and directory counts, File activity trends, Active and inactive data identification and ageing of file data.	The solution shall provide centralized management and monitoring for performance, utilization, provisioning, configuration, alerts, data protection and reporting. It shall provide file-system analytics for capacity usage, file and directory counts, file-activity trends, active and inactive data identification and file-age analysis, either natively or through supported management and analytics tools. Comments: File-system analytics are important for monitoring CCTV capacity consumption, retention periods, recording activity and ageing of video data.	As per the terms and conditions of the tender.
201	Storage system must be offered in a No-Single-Point of Failure offering up to six 9s of availability with scale up and scale out architecture for all protocols asked.	The solution shall be designed without a single point of failure and shall provide the OEM-published availability, resiliency and recovery characteristics for the proposed configuration. The solution shall support non-disruptive scale-out expansion for supported file protocols. Comments: High availability is essential for continuous CCTV recording. Scale-out expansion allows capacity and performance to grow without disrupting recording operations.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
202	All required licenses to provide the above functionalities must be perpetual and provided as part of the offered solution.	All software licenses, subscriptions and support required for the offered functionality shall be included for the complete contract period, with the applicable licensing model, duration and renewal requirements clearly identified. Comments: This ensures that all required functionality remains available throughout the contract period.	As per the terms and conditions of the tender.
203	Event Log – The Event Log shall store up to 2000 in the front display panel	Q.3: Change to: “Minimum 500 events, or OEM standard event-log capacity of not less than 500 events, with date/time stamp and event description.” Justification: (i) Local log depth is a firmware memory allocation, not a performance parameter. It has no bearing on power quality, reliability or backup and is not specified in IEC 62040-3. (ii) “2000 events” is the figure of one OEM’s datasheet. The same tender asks for only “Max 256” events for the 6 kVA UPS (Annexure 2.1.31, Sl. 36), which shows the values are copied from datasheets rather than derived from OIL’s need. The requirement should specify functional event logging rather than a manufacturer-specific memory capacity. (iii) A UPS in normal service records only a few events a day (mains fail/restore, battery test, bypass transfer); 500 events hold several months of history on the panel. (iv) SOW Clause 3.3.11.2 requires every Online UPS to be monitored by the NMS and integrated with the SLA/EMS tools, so the permanent audit trail is held in the NMS database with unlimited retention. A 2000-event local log adds no operational value and only restricts competition (Para 10(e) of the PPP-MII Order, 2017).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
204	Self-Capacity test – Full load Capacity test of the UPS at site without connecting any external load.	Q.4: Delete. Replace with: “Full-load test and 120-minute battery backup test shall be carried out at site during commissioning using a resistive load bank arranged by the Contractor, and/or at OEM works (FAT) as per IEC 62040-3, witnessed by OIL.” Justification: (i) A “self-load” or regenerative capacity test – in which the inverter output is fed back to the input so that only the losses are drawn from the mains – is a proprietary feature of a few multinational UPS platforms (marketed, for example, as “Easy Capacity Test”). It is not defined in IEC 62040-3 or in any Indian Standard. Specifying it is equivalent to specifying a brand, which Para 10(e) of the PPP-MII Order, 2017, applicable to this tender vide BEC Clause 9.2, terms restrictive and discriminatory. (ii) The regenerative test works only with mains present. It cannot discharge the battery into a real load and therefore cannot verify the 120-minute backup (C-9) or the battery VAH (C-10) – the parameters that decide the “UPS power backup availability” SLA. A load bank is needed at commissioning anyway, so the feature adds cost without removing the load bank. (iii) A load-bank test proves the complete chain – output breakers, cables, voltage regulation under real current and temperature rise – and is the accepted industry method for site acceptance. OIL’s objective of proving full capacity at site is fully met.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

205	Output power factor range – 0.6 lagging to unity without any KVA derating	Q.6: Load power factor range 0.8 lagging to unity without kVA derating; beyond this range, derating as per the OEM's published derating curve. Justification: (i) The loads on this UPS are IT and electronic loads – servers, storage, network switches, workstations and the LED video wall – whose switch-mode power supplies have active PFC and run at 0.95–1.0 power factor. A 0.6 lagging load is typical of motors and other inductive loads, which are not connected to a UPS (HVAC units are fed from the raw/DG supply). (ii) Delivering the full 50 kVA at 0.6 lagging means carrying rated current while delivering only 30 kW. The inverter, output filter and isolation transformer must be oversized to circulate reactive current for a load that does not exist in this project. This adds cost and losses without any benefit, contrary to the principle of GFR 2017 Rule 144(ii) (no superfluous or non-essential features).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
206	Battery backup time/Battery capacity – 120 Min/VAH calculation required	Q.12: Please define the sizing basis: 120 min at 100% rated load of 50 kW, end-cell voltage 1.75 V/cell, at 27 °C, computed from the battery manufacturer's published constant-power (W/cell) discharge table; and state whether an ageing factor (e.g. 1.25) is to be applied. VAH offered and the calculation to be submitted with the bid. Justification: (i) The backup of a battery bank depends on the load (kW, not kVA), the end-of-discharge voltage, the temperature and any ageing margin. None of these is defined, so bidders can size the same "120 minutes" very differently. (ii) For a 2-hour 50 kW system these assumptions change the installed Ah by 30–50% and the price accordingly, making price bids non-comparable. (iii) An under-sized bank would also put the "UPS power backup availability" SLA (99.5%) at risk. A defined common basis ensures a level playing field and protects OIL.	The battery bank shall be sized for 120 minutes backup at full rated load (50 kW), at an end-cell voltage of 1.75 V/cell and 27°C, based on the battery manufacturer's published constant-power discharge data. The VAH calculation shall be submitted with the bid.
207	Altitude – 1500 m from MSL without derating	Q.14: "Up to 1000 m (≈ 3,280 ft) above MSL without derating." Justification: (i) The UPS is installed at the CCC, Duliajan, which lies in the Brahmaputra plains at about 121 m above MSL. All OIL operational areas in Upper Assam are also far below 1000 m. (ii) Altitude derating of forced-air-cooled power electronics is needed only above 1000 m, the reference altitude used in the IEC 62040 series and in every UPS datasheet. (iii) Asking for 1500 m without derating forces OEMs to certify or oversize cooling for a condition that will never arise at site – a superfluous requirement (GFR 2017 Rule 144(ii) principle).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
208	No of events stored – Max 256	Q.22: "Event log: minimum 100 events (FIFO, time-stamped), as per OEM design;" Justification: (i) "Max 256" is literally a ceiling, not a requirement, and appears to be copied from a datasheet. It is also inconsistent with the 2000 events asked for the 50 kVA UPS (Annexure 2.1.30, A-7). (ii) Log depth is a firmware attribute with no bearing on UPS performance. Since every UPS is monitored by the NMS (SOW Clause 3.3.11.2), the permanent event record is kept centrally. A defined minimum avoids arbitrary rejection.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
209	Orientation – Gravity sense	Q.23: Delete – not applicable to the tower UPS specified at Sl. 4. Justification: (i) "Gravity sense" is an accelerometer-based auto-rotation of the LCD used in rack/tower convertible UPS, so that the display reads correctly whether the unit lies horizontally in a 19-inch rack or stands vertically as a tower. (ii) Sl. 4 specifies "Installation mode: Tower" only, and a unit of about 85 kg (Sl. 43) is not meant for rack mounting. The display orientation is therefore fixed and the feature serves no purpose. (iii) It is a cosmetic feature of specific convertible models and restricts competition without any functional benefit.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

210	Operating temperature – 0°C ~ 50°C (2)	Q.24: "0 °C to 40°C." Justification: (i) The normal operating ambient for UPS under IEC 62040-3 is 0–40 °C, and OEMs rate their products at 40 °C. The 50 kVA UPS in this very tender is specified at 0–40 °C (Annexure 2.1.30, G-2). 0–45 °C already gives a margin above the standard. (ii) The "(2)" after "50°C" is a footnote marker carried over from the source datasheet; such notes normally state derating above 40 °C – i.e. even the source product is not rated for full load at 50 °C. (iii) The UPS operates with its batteries in the same room. VRLA battery life roughly halves for every 8–10 °C above 25 °C, so the room must in any case be kept well below 45 °C for the batteries to last; a 50 °C UPS rating has no practical value. (iv) The UPS are installed indoors with the 9U rack at each location, and summer maxima in Upper Assam are in the mid-to-high 30s °C.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
211	Storage temperature – -40°C ~ +70°C (battery excluded); -25°C ~ +55°C (battery included)	Q.25: "Storage temperature: 0 °C to +50 °C without battery; 0 °C to +40 °C with battery (wider range acceptable)." Justification: (i) Storage down to −40 °C is relevant only to arctic or high-altitude transport and storage. Temperatures in Upper Assam do not approach 0 °C, and the UPS will be stored in covered stores. (ii) The two-tier "battery excluded/battery included" format is copied from a specific datasheet. (iii) Lead-acid batteries self-discharge much faster at high temperature and battery manufacturers recommend storage at about 25 °C or below, so a +55 °C "battery included" storage rating is not a meaningful requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
212	Altitude – ≤3000m; derating when higher than 3000m	Q.26: "Up to 1000 m (≈ 3,280 ft) above MSL without derating." Justification: (i) All 55 locations are in OIL's operational areas in Upper Assam, in the Brahmaputra plains (Duliajan ≈ 121 m above MSL) – far below 1000 m. (ii) 1000 m is the reference altitude of the IEC 62040 series, and standard UPS are rated "≤ 1000 m without derating". Requiring 3000 m without derating demands a design margin that will never be used and excludes standard products (GFR 2017 Rule 144(ii) principle). (iii) This also aligns the 6 kVA with the 2 kVA specification of this tender (Annexure 2.1.32, Sl. 42: "<1000 m").	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
213	W*D*H (mm) – 500 X 525 X 400	Q.27: Delete. Dimensions as per OEM design, to be declared in the bid. Justification: (i) Dimensions result from each OEM's thermal and mechanical design; they are not a performance requirement. The exact figure of 500 × 525 × 400 mm corresponds to one manufacturer's model. (ii) Together with the exact weight (Sl. 43), it effectively specifies a single model, which Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) If space at the locations is limited, OIL may instead state a maximum footprint, which is generic.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
214	Electromagnetic Compatibility (EMC) – YD/T1095-2008	Q.33: Delete YD/T1095-2008 Replace with: "EMC compliance to IEC 62040-2:2016, or the latest applicable edition" Justification: (i) YD/T 1095-2008 is a telecommunication-industry standard of China (issued by its Ministry of Industry and Information Technology), titled "Uninterruptible Power Systems for Communications". It is not an EMC standard, has no Indian or IEC status, and was itself superseded in China by YD/T 1095-2018 in July 2018. (ii) Its presence shows the clause was copied from an imported product's datasheet. Mandating it is a foreign certification that is restrictive and discriminatory under Para 10(e) of the PPP-MII Order, 2017, and in effect confines competition to products of one country of origin. (iii) EMC of UPS is fully addressed by IEC 62040-2, which the clause already lists.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
215	Energy star – As per UL approved	Q.34: Delete. Justification: (i) ENERGY STAR is a voluntary labelling programme of the US Environmental Protection Agency. UPS are certified under it only through EPA-recognised certification bodies for the US market; UL is one such US body. The programme has no legal or regulatory standing in India, where energy labelling is administered by BEE under the Energy Conservation Act, 2001. (ii) "As per UL approved" is not a measurable technical requirement. (iii) As a foreign certification it falls under Para 10(e) of the PPP-MII Order, 2017.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

216	Switching system shall have minimum 65K MAC Addresses and 1K VLANs. – 9AH/12V	Q.37: Correct the parameter to "Battery rating" and change the value to: "12 V SMF VRLA (IS 15549); Ah rating as per OEM design to meet the backup at Sl. 14." Justification: (i) The parameter text ("Switching system shall have minimum 65K MAC Addresses and 1K VLANs") belongs to a network-switch specification and has been pasted here in error; the clause cannot be evaluated as written. (ii) "9 Ah/12 V" is the internal battery of a particular standard-backup model. The Ah rating must follow from the required backup, not be fixed independently: 4 × 12 V × 9 Ah (432 VAH) cannot give the 30 minutes at full load stated in BOQ Sl. 71 and in the Annexure index. (iii) Fixing Ah, DC bus voltage and number of batteries together (Sl. 10, 11, 13) describes one product. Specifying the backup time instead is generic and serves OIL's purpose.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
217	DC bus voltage – 48vdc,	Q.38: Delete. Battery/DC bus voltage should be as per OEM design. Justification: (i) The battery bus voltage is an internal topology choice. 2 kVA online UPS are built with 36, 48, 72 or 96 V battery buses, and a higher bus voltage actually reduces battery current, cable size and losses. (ii) What matters to OIL – backup time, battery quality and output performance – is specified elsewhere. Fixing 48 V restricts the offer to one product family (Para 10(e) of the PPP-MII Order, 2017).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
218	Number of Batteries – 4nos,	Q.39: Delete. Number of batteries as per OEM design, to achieve the backup at Sl. 14; VAH calculation to be submitted. Justification: (i) The number of batteries follows from the DC bus voltage and the backup required; fixing it independently is design-specific (see the queries on Sl. 10 and 11). (ii) Four 12 V blocks is the configuration of a particular model; long-backup 2 kVA models commonly use 6 or 8 blocks. Specifying the backup, with a common sizing basis, ensures equal battery capacity in all offers. (iii) Battery performance should be evaluated on achieved backup time and rated capacity rather than block count alone.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
219	Back up time – 1 hr on IT load (2 pc)	Q.40: Please align with BOQ Sl. 71 and the Annexure index (both "30 min backup"): "Backup time: 30 minutes at full rated load of 1600 W, end-cell voltage 1.75 V/cell, at 27 °C." If 60 minutes is intended instead, please state the load in watts. Justification: (i) The tender is internally inconsistent: BOQ Sl. 71 and the Annexure index describe the item as "Online UPS 2 KVA with half hrs. backup"/"2KVA Online UPS with 30 mins backup", while Sl. 14 says "1 hr on IT load (2 pc)". (ii) "IT load (2 pc)" is undefined: a PC with monitor may draw anything from about 60 W to over 500 W, so the battery required can differ several-fold between bidders and the price bids will not be comparable. (iii) A backup time at a stated load in watts, with a stated end-cell voltage, is the only objective basis for battery sizing and for verification at acceptance.	As per the terms and conditions of the tender.
220	I/p Over voltage protection/Over temp protection/EMI/RFI – Inbuilt OVCD provided /Thermistor provided for over temp protection/Inbuilt I/P and O/P EMI filter board provided	Q.41: Specify the protection functions only – input over-voltage protection, over-temperature protection, input and output EMI/RFI filtering – with the implementation (device type, sensor type, separate board or integrated) as per OEM design. Justification: (i) The clauses prescribe particular components ("OVCD", "thermistor", "EMI filter board") rather than functions. Equivalent or better protection is achieved by other means – for example, digital temperature sensors monitored by the DSP, or EMI filters integrated on the power board. (ii) Component-level prescriptions describe one design and give grounds for rejecting equally safe products. EMC performance is in any case verified against IEC 62040-2.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
221	Operating Temperature – 0-50deg	Q.42: "0 °C to 40 °C at full load; up to 45 °C with derating, as per Sl. 40." Justification: (i) The clause contradicts Sl. 40 of the same specification, which tests the UPS at 0–40 °C at full load and at 40–45 °C with 80% derating. A UPS tested only up to 45 °C with derating cannot be required to operate at 50 °C. (ii) 0–40 °C is the normal operating range for UPS under IEC 62040-3. (iii) 13 of the 16 units are installed in the porta cabins at drilling rigs, which are air-conditioned (Annexure 2.3.14, Sl. 8: panel-mounted air conditioner), so the UPS will not see high	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		ambient temperatures. (iv) VRLA battery life roughly halves for every 8–10 °C above 25 °C, so the operating environment has to be kept cool for the battery in any case.	
222	Dimensions (D X W X H) in MM – 388 X 190X 318. Weight 26kg,	Q.43: Delete dimensions and weight. As per OEM design, to be declared in the bid. Justification: (i) Dimensions and weight follow from each OEM's design and battery configuration; they are not performance requirements. (ii) The exact figures (388 × 190 × 318 mm, 26 kg) identify a single model, which Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) They are also inconsistent with the backup requirement: a unit of that size and weight carries only a small internal battery that cannot give 30 minutes at full load (see the query on Sl. 10).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
223	EMC Directives – EN IEC 61000-3-2:2019/A1:2021	Q.47: Delete. Harmonic emission is covered by IEC 62040-2 (which invokes IEC 61000-3-2 as applicable) and by the input PF > 0.99 already specified at Sl. 5; Justification: (i) "EN" standards with amendment years are the European harmonised versions cited in a manufacturer's EU Declaration of Conformity for CE marking under the EMC Directive 2014/30/EU; this list is copied from one such declaration. (ii) They have no legal standing in India and can be satisfied only by products certified for the EU market – a foreign certification that Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) The technical intent – limiting harmonic current – is already met by the active-PFC input (Sl. 5, PF > 0.99) and by IEC 62040-2, the product EMC standard for UPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
224	EMC Directives – EN 61000-3-3:2013/A1: 2019	Q.48: Delete; covered by IEC 62040-2. Justification: EN 61000-3-3 limits voltage fluctuation and flicker caused by equipment up to 16 A per phase. It is invoked through IEC 62040-2 as applicable; citing the EN version separately, with amendment year, is again the EU CE route (see the query on EN 61000-3-2). A double-conversion UPS with active PFC draws a steady, sinusoidal current, so flicker emission is not a practical concern.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
225	EMC Directives – EN 61000-4-6:2014	Q.49: Delete; covered by IEC 62040-2. Justification: EN 61000-4-6 is a basic test method (immunity to conducted RF disturbances), not a product standard. The applicable immunity tests and levels for UPS are selected by the product standard IEC 62040-2. Citing the basic standard separately in its EN version adds no requirement beyond IEC 62040-2, but makes EU certification a pre-condition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
226	EMC Directives – EN 61000-4-8: 2010	Q.50: Delete; covered by IEC 62040-2. Justification: EN 61000-4-8 is the basic test method for immunity to power-frequency magnetic fields. As with EN 61000-4-6, the applicable level for UPS is set by IEC 62040-2; citing the EN basic standard separately adds nothing technically and serves only to require EU (CE) documentation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
227	EMC Directives – EN61000-2-2:2002	Q.51: Delete. Justification: IEC/EN 61000-2-2 is not a product or test standard at all. It defines the compatibility levels – the disturbance levels to be expected – in public low-voltage supply networks, i.e. a characteristic of the supply system. A product cannot be tested or certified "to" IEC 61000-2-2 and no laboratory issues such a report, so the clause cannot be complied with by any bidder.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
228	EMC Directives – EN61000-4-11:2004	Q.52: Delete; covered by IEC 62040-2 and the performance tests of IEC 62040-3. Justification: (i) EN 61000-4-11 tests immunity to voltage dips and short interruptions. Riding through dips and interruptions is the primary function of an online UPS, and this performance is verified directly under IEC 62040-3; the specification already requires true online double conversion (Sl. 2) and IEC 62040-3 Classification 1 (Sl. 23). (ii) The 2004 edition cited has been superseded (current edition 2020), confirming that the list is copied from an older EU Declaration of Conformity.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

ANNEXURE-I

229		Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, ENERGY STAR or other foreign standards or certifications, compliance with the equivalent IEC standard or Indian Standard (IS 16242 series, BIS registration), demonstrated through test reports from NABL-accredited laboratories, shall be accepted. Justification: The PPP-MII Order, 2017 is applicable to this tender vide BEC Clause 9.2 ("as amended time to time"). Para 10(e) of the Order (as revised on 19.07.2024) states: "Specifying foreign certifications/ unreasonable technical specifications/ brands/ models in the bid document is restrictive and discriminatory practice against local suppliers", and permits foreign certification only with the written approval of the Secretary of the Department concerned where Indian Standards are not available. Para 10A provides for inquiry where such conditions are included in bid documents. Indian Standards (IS 16242 series) and BIS registration exist for UPS.	Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, Energy Star or other foreign standards/certifications, compliance to the equivalent IEC standard or Indian Standard (IS 16242 series/BIS registration), demonstrated through test reports from a NABL-accredited laboratory, shall be accepted.
230		Parameters that describe a particular OEM's design rather than a functional requirement – dimensions, weight, colour, cable entry, number of batteries, DC bus voltage, event-log depth, component types – shall be treated as "as per OEM design" and shall not be a ground for technical rejection, provided the functional performance, backup time and safety requirements are met. Justification: Clause 7.5 of the Forwarding Letter and the note under BEC state that no exception/deviation will be accepted after the pre-bid conference and that non-conforming bids will be rejected outright. Several UPS clauses are copied verbatim from specific manufacturers' datasheets – footnote markers "(1)" and "(2)", a Chinese telecom standard, a network-switch parameter under "Battery Parameters". Unless such descriptive values are expressly relaxed now, every bidder other than the source OEM will be non-compliant on some trivial parameter, defeating competitive bidding.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
231	Request to Permit Joint Venture/Consortium Participation and Cumulative Qualification	After reviewing the Bid Evaluation Criteria, particularly Clauses 3.1, 3.5 and Note "J" under the Technical Evaluation Criteria, we understand that bidders are presently not permitted to rely upon the experience of a Joint Venture, Consortium, Technical Collaborator or MOU partner. Only limited Parent/Subsidiary support has been permitted. The project involves multiple specialised domains, including flameproof and weatherproof CCTV systems, AI-based video analytics, ANPR, Command and Control Centre, data-centre infrastructure, high-capacity storage, OFC/wireless connectivity, cybersecurity and seven years of comprehensive O&M. It may be commercially and technically restrictive to expect a single entity to independently possess substantial experience in every specialised component. We therefore request OIL to kindly permit participation through a Joint Venture/Consortium of up to three members, with cumulative fulfilment of the prescribed technical and financial eligibility requirements. Proposed Amendment We respectfully request incorporation of the following provisions: 1. JV/Consortium Participation A bidder may participate as a sole bidder or as a Joint Venture/Consortium comprising a maximum of three members, including the Lead Member. 2. Cumulative Technical Experience The experience requirements under BEC Clause 3.1—including outdoor CCTV cameras, flameproof/ex- proof cameras, video analytics, Centralised Command and Control Centre and O&M experience—may be fulfilled individually or cumulatively by the JV/Consortium members. 3. Lead Member Requirement The Lead Member should hold at least 51% participation in the JV/Consortium and remain responsible for overall project management, integration and contractual coordination with OIL. 4. Specialised Member Experience The mandatory flameproof/ex-proof CCTV and O&M experience may be demonstrated by any JV/Consortium member responsible for that specialised scope. 5. Financial Qualification The required annual turnover may be fulfilled cumulatively by the JV/Consortium, subject to the Lead Member meeting at least 70% of the prescribed turnover requirement and each other member meeting at least 10%.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		6. Joint and Several Liability All JV/Consortium members shall be jointly and severally liable for successful execution of the complete contract. The members may submit a duly executed Consortium Agreement/MOU with defined roles, responsibilities and participation shares. 7. Performance Security The successful JV/Consortium shall furnish the complete Performance Security prescribed in the tender, without any dilution of OIL's contractual protection. Justification: Permitting a structured JV/Consortium would: • Encourage participation from competent EPC, infrastructure and specialised technology companies; • Bring together complementary experience in surveillance, AI analytics, command-centre, networking and O&M; • Improve technical capability and lifecycle accountability; • Promote wider competition and competitive price discovery; • Reduce project implementation and operational risks; and • Preserve OIL's interests through joint and several liability and prescribed Performance Security. We accordingly request OIL to amend Note "J" under BEC Clause 3.1 and other related provisions to permit JV/Consortium participation and cumulative qualification.	
232	3.5 PB	Is it a Library scalability or from day one this capacity needs to be quoted?	The Tape Library shall be supplied with 3.5 PB native capacity from Day One.
233	FC – Dual Port 8 Gbps native. Each Drive to connect to two (2) Different Fiber Channel ports on tape library backplane for improving redundancy, load balancing and fault tolerance.	Please confirm if it's a Full Height Drives or Half Height and drives speed required is 300MBps or 400MBps	The drive type (Full Height/Half Height) and drive speed may be quoted by the bidder as per the proposed design, subject to compliance with the specification.
234	Hardware should not reach end of life during contract period. Supporting documentation must be furnished for the same.	OEM need to submit any original declaration/annexure?	Yes, the OEM shall submit a declaration in this regard.
235		1. Mandatory TEC GR Certification for Switches and Radios As per the applicable DoT Gazette/TEC guidelines, specifically Page 14, Point No. 10, the products listed under Table A, including applicable switches and radio products, are required to have the relevant TEC GR certification. The guideline clearly provides that the procurement entity should specify the relevant TEC GR certification as a minimum mandatory requirement for the applicable products. In view of the above, we respectfully request IOCL to ensure that the switches and radio products being offered under this tender are TEC GR certified, and that the relevant TEC GR certification is made a mandatory technical requirement for all participating bidders. For reference, we are enclosing the relevant DoT Gazette/TEC guideline highlighting the applicable provision. Since this is a Government policy requirement, we request IOCL to ensure its uniform applicability to all bidders and products being proposed under the tender.	As per the terms and conditions of the tender.
236		2. Technical Requirement – 24-Port PoE Distribution Switch We would also like to highlight the technical specification for the 24-port PoE Distribution Switch, wherein six uplink ports have been specified. As per the applicable TEC GR requirement, the minimum requirement is four uplink ports. Specifying six uplink ports as a mandatory requirement may unnecessarily restrict competition and prevent technically capable OEMs from participating. We therefore request IOCL to kindly consider revising the requirement to: "Minimum 4 uplink ports or above" instead of mandating six uplink ports. This would enable wider participation from technically compliant Indian OEMs, including products with higher port densities such as 48-port switches, while meeting the intended technical and network requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
237	The Event Log shall store up to 2000 in the front display panel	The Event Log shall store up to 999 in the front display panel	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

ANNEXURE-I

238	THDV <=1.5% for liner load and <=4.5% for nonliner load	6% for Linear load	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
239	INBUILT ISOLATION TRANSFORMER REQUIRED	EXTERNAL ISOLATION MAY ALLOWED	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
240	MINIMUM 360 V	MIN 408 VDC	The clause specifies a minimum nominal DC bus voltage of 360 V. A UPS with a nominal DC bus voltage of 360 V or higher (e.g., 408 VDC, or 432–600 VDC) is compliant with the clause.
241	1500 M FROM MSL WITHOUT DERATING	<1000m. Load derated 1% per 100m from 1000 ~ 2000m	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
242	6 KVA/6 KW	Please ammend to 6 KVA/5.4 KW	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
243	4 (n+1)	PR CONFIGURATION (1+1) IN 6 kva POSSIBLE	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
244	6 KVA/6KW	6 KVA/5.4 KW	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
245	Unity	0.9	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
246	0 to 50 degree	0 to 50 degree (derating)	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
247	As per UL approved	BIS applicable as it is made in India, Energy star is an European standard	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
248	NABL Approved govt Test Lab Report	Govt. Approved NABL or Any Lab may be considered	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
249	48 VDC	KINDLY CONSIDER IT AS A ONLINE ups 72 VDC OR 96 VDC	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
250	4 Nos.	6 Nos. or 8 Nos.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
251	Supply payment: 50% upon completion of supply, 25% upon completion of I&C, and the remaining 25% upon successful UAT. Applicable I&C charges are payable upon completion of I&C.	Considering the substantial upfront investment required for procurement, logistics, software licences, manpower mobilisation and implementation, we request OIL to revise the payment milestones on total CAPEX value as follows: 5% against mobilisation; 5% against submission and approval of key project documents; 60% against supply, delivery and material acceptance; 20% against successful Installation & Commissioning; and 10% against successful UAT, final acceptance and project Go-Live. Justification: The project requires significant upfront CAPEX and early-stage cash outflow. The proposed structure aligns payments with actual expenditure and supports timely procurement and execution. Please do not link supply payment to I&C and other milestones.	As per the terms and conditions of the tender.
252	A portion of the supply value remains linked to completion of site-wise I&C and UAT/Go-Live milestones.	If any site is not handed over, is not ready, or remains unavailable due to reasons attributable to OIL and not to the Contractor, thereby delaying I&C, UAT or Go-Live, the corresponding withheld supply & I&C payment shall be released against submission of an equivalent Bank Guarantee by the Contractor. Accordingly, 100% of the supply value attributable to materials already supplied and accepted shall be released. The Bank Guarantee may remain valid until completion of the relevant deferred milestone. Justification: The equipment, software licences and associated materials would already have been procured, delivered and accepted. Withholding the supply portion for delays beyond the Contractor's control creates an undue financing burden, while an equivalent BG adequately safeguards OIL's interests.	As per the terms and conditions of the tender.
253	The existing commercial structure spreads a significant portion of the contract value over the O&M period.	Considering the capital-intensive nature of the project, we request OIL to structure the overall contract value in an 80:20 ratio between CAPEX and OPEX. Accordingly, 75% should be allocated to supply, implementation, I&C and Go-Live, and 25% to O&M. The O&M component may be released at 5% of the total contract value per year for five years, payable annually or proportionately on a quarterly basis, subject to satisfactory performance. Justification: The solution requires substantial upfront investment in surveillance equipment, software, network infrastructure, fibre connectivity, command-centre systems, integration and deployment. Unlike a TSP bandwidth	As per the terms and conditions of the tender.

		model involving recurring monthly charges, fibre-based connectivity increases the CAPEX incurred during implementation.	
254	The bidder must have successfully executed/completed similar work comprising at least 150 flame-proof CCTV cameras (Bullet and PTZ).	We request OIL to reduce the qualifying requirement from 150 to 100 flame-proof CCTV cameras. The revised clause may read: 'A minimum of 100 Flame-Proof CCTV Cameras (Bullet and/or PTZ) under not more than three contracts.' All other qualifying conditions may remain unchanged. Justification: Execution of 100 flame-proof cameras adequately demonstrates capability in hazardous-area surveillance while enabling wider participation without compromising technical competence or project delivery capability.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
255	Similar work must have been executed for Central/State Government, PSUs, Nationalised Banks or Public Limited Companies.	Kindly confirm that similar work executed for large private-sector industrial enterprises incorporated as Public Limited Companies, including petrochemical, refinery, oil & gas, energy and manufacturing companies, shall be considered eligible under the Public Limited Company category. Justification: Projects for large industrial enterprises involve comparable technical complexity, hazardous-area compliance, operational criticality, fibre networks, video analytics and centralised command-centre integration. Such experience demonstrates equivalent execution capability.	The experience criteria already include projects executed for Public Limited Companies. The bidder is advised to be guided by the provisions of the tender clause.
256	If the bidder is executing one 'Similar Work' which is still running, and the contract value/quantity (as applicable) executed under such contract is within date is equal to or more than the minimum requirement as stipulated under Clause No. 3.1 of the BEC	Kindly clarify the acceptable documentary evidence for demonstrating executed quantity/value under an ongoing project. In cases where the required quantity of CCTV cameras, flame-proof cameras, network switches, or associated equipment has already been supplied and invoiced, but the overall project remains under execution and a final Completion Certificate is not yet available, we request OIL to consider Purchase Orders/Work Orders, Customer-Certified Progress Certificates, Tax Invoices, Delivery Challans, Material Acceptance Certificates, and Customer Confirmation of Executed Quantities as valid proof of execution for qualification evaluation.	For ongoing projects where the required quantity/value has already been executed, Purchase Orders/Work Orders, Customer-Certified Progress Certificates, Tax Invoices, Delivery Challans, Material Acceptance Certificates and Customer Confirmation of Executed Quantities shall be accepted as valid proof of execution for qualification evaluation.
257	Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	Request to modify as below: Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof/ Outdoor Weatherproof CCTV Cameras.'	As per the terms and conditions of the tender.
258	• OIL has an existing OFC network connecting cameras and distribution switch locations (13), as well as the existing control room and three remote locations: Tengakhat, Moran and Digboi to PS1 in Duliajan. OIL has an existing Data Center with 42U racks, which will be used for installing servers, network equipment, and storage devices. The distance b/w the existing control room and Data Center is approx. 400 mts. Command and Control Center The scope of work shall include the revamping of the existing control center and the establishment of a fully functional Command and Control Center (CCC) at Duliajan. The CCC shall be equipped with modern infrastructure, integrated systems and an operator-centric design, ensuring a state-of-the-art facility for centralized monitoring, decision-making, and operational control. The Contractor shall be responsible for the complete design, supply, installation, integration, testing, and OIL has an existing OFC network, which shall be utilized along with the new OFC to be laid under this project. The indicative quantity of new OFC has already been considered and provided in the BOQ. Detailed information regarding the existing OFC infrastructure shall be provided by OIL during the project execution stage.	Kindly share details & BOQ with make model for existing equipment.	Bidders are required to undertake a site visit and collect all necessary details of the existing infrastructure. During the pre-bid meeting, OIL explained the scope, showed the Command & Control Center (CCC) and clarified the existing infrastructure.
259	However, the Contractor shall ensure that the solution is scalable to support up to 4,000 cameras. The system shall be designed and implemented to support 2,700 cameras from day one, including all necessary applications, hardware and infrastructure at the Data Center and Command Center. The VMS licenses shall be provided for 2,200 cameras. Any additional hardware or license requirements beyond 2,700 cameras, and any additional VMS licenses beyond 2,200, for future integration of additional sites shall be procured based on actual requirements and only upon approval from Oil India Ltd.	We understand, Contractor need to quote as per BOQ only & any changes in the same shall have time & price implications as per actual rates at that time, please confirm.	Bidders shall quote as per the BOQ. Any additional hardware or licences required beyond the BOQ shall be dealt with strictly as per the applicable contract terms and conditions.

ANNEXURE-I

260	Contractor should submit authorization certificate of Original Equipment Manufacturer (OEM) (or multiple OEMs) specific to the bid. The Contractor should have a back-to-back support agreement/arrangement for services including supply of spare parts etc. with the OEMs of products mentioned	Kindly confirm whether multiple makes can be proposed for bid submission	Bidders may propose multiple OEMs only for CCTV cameras. However, this shall not be in the manner of quoting each type of camera from multiple OEMs; one OEM shall be proposed for Ex-proof/Flame-proof cameras and one OEM for non-Ex-proof cameras.
261	General Query	We understand that scope/ services including but not limited to manpower, project management, warranty/ DLP, Operation, maintenance, engineering, design, testing, installation, commissioning, etc. can be considered as 100% local content for the project, please confirm.	As per the terms and conditions of the tender.
262	Point no.6, The OEM must have supplied a minimum of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date. Past supply orders/completion certificates of havig supplied a minimum of 10,000 IP cameras and client certification for proof of work must be submitted with the bid.	Upon reviewing the eligibility criteria, we note that the tendering authority has requested proof from the OEM for supply of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date. We easily meet and even exceed the target for this volume of supply in India. Obtaining individual proof of work from end client is a major administrative and logistical challenge. End user organizations may have strict data-sharing policies, or facing internal delays in issuing formal work certificates for completed rollouts, which may inadvertently restrict qualified OEMs from participating. We request the tendering authority to modify the acceptable proof under this clause to include the bidder's Purchase Order (PO) copies/ OEM unpriced tax invoices, in order to meet the requirement for supplying 10,000 IP cameras in India.	In addition to client completion certificates, alternative documentary evidence such as Purchase Orders, Delivery Challans and OEM (unpriced) Tax Invoices shall be accepted as proof of supply of minimum 10,000 IP cameras in India during the last 07 years. All other terms and conditions of the clause remain unchanged.
263	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91° Sr. No. 9 Pan/Tilt Speed: Tilt: up to 150°/s Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	Sr. No. 8 - When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.4° may be preferable to 62°–2.4° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.4°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 62°–2.4° to 56°–2.4°. Sr. No. 9- Regarding manual tilt speed/tracking, a tilt speed of 90°/second is preferable for capturing real-time video at vertical angles. We understand that high pan/tilt speeds enable the camera lens to rapidly rotate to a present location; therefore, we request the tendering authority to amend this clause and set the tilt speed at 90°/second. Sr. No. 10- 120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
264	Sr. No. Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

265	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91° Sr. No. 9 Pan/Tilt Speed: Pan: up to 150°/s, Tilt: up to 150°/s Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	Sr. No. 8 - When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.4° may be preferable to 62°–2.4° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.4°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 62°–2.4° to 56°–2.4°. Sr. No. 9- Regarding manual tilt speed/tracking, a tilt speed of 90°/second is preferable for capturing real-time video at vertical angles. We understand that high pan/tilt speeds enable the camera lens to rapidly rotate to a present location; therefore, we request the tendering authority to amend this clause and set the tilt speed at 90°/second. Sr. No. 10- 120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
266	Sr. No. 14: Video Streaming: Min. four compressed Simultaneous Video streams at H.265 min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
267	Sr. No. 5: IR LED Range: Up to 180 meters (PoE/POE++/12VDC)	Bullet camera equipped with 4.7–47mm or 5–50mm lens and 100 meters IR range are used for medium to long range coverage. Since 4.7–47mm or 5–50mm lens provides 10x optical zoom, it is essential to align the camera's illumination capability with the target zone based on the effective IR range. For this reason, CCTV OEMs use 5–50mm lens with 100 meters IR range in bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
268	Sr. No. 8: Horizontal: 56°–7°, Vertical: 34°–5.2°	CCTV OEMs offer 4.7–47mm or 5–50mm lens in 5MP bullet camera, providing a horizontal angle of 47° (wide) to 7.3° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 47° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
269	Sr. No. 16: Privacy Masking: Up to 8 zones	As per the functional requirements and typical field applications, Bullet Camera does not require 8 privacy masks. In most real-world surveillance scenarios, privacy masking is used to obscure limited fixed areas such as windows, residential zones, or restricted view sections within the camera's field of view. The requirement of 5 privacy masks is considered adequate and practical, as it sufficiently covers all typical use cases in both indoor and outdoor environments. Increasing the number of privacy masks beyond this (e.g., 8 masks) does not provide any additional operational advantage and only adds unnecessary processing overhead to the camera system. Hence, 5 privacy masks are technically and functionally sufficient to meet all security and privacy compliance needs in standard surveillance operations using Bullet Cameras. Request to change to 5 Privacy masks.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
270	Sr. no. 5. IR LED Range: 55 meters	Generally, dome cameras have built-in IR with maximum IR range of 50 meters. 9mm lens as specified in this tender for 5MP Dome camera cannot clearly cover beyond 50 meters. Particularly when dome cameras are used to cover large grounds in complete darkness outdoors may cover maximum 50 meters distance. This is a specific parameter where OEMs do not qualify. Therefore, we request tender authority to amend IR LED range with 50 meters.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
271	Sr. No. 9: Field of View- Horizontal: 103°–33°, Vertical:73°–30°	CCTV OEMs offer 2.9-9mm or 2.8-12mm lens in 5MP Dome camera, providing a horizontal angle of 100° (wide) to 33° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 100° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
272	Sr. No. 20: Privacy Masking- Up to 8 zones	As per the functional requirements and typical field applications, Fixed Camera does not require 8 privacy masks. In most real-world surveillance scenarios, privacy masking is used to obscure limited fixed areas such as windows, residential zones, or restricted view sections within the camera's field of view.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		The requirement of 5 privacy masks is considered adequate and practical, as it sufficiently covers all typical use cases in both indoor and outdoor environments. Increasing the number of privacy masks beyond this (e.g., 8 masks) does not provide any additional operational advantage and only adds unnecessary processing overhead to the camera system. Hence, 5 privacy masks are technically and functionally sufficient to meet all security and privacy compliance needs in standard surveillance operations using Dome Cameras. Request to change to 5 Privacy masks.	
273	Sr. No. 25: Operating Temperature: -40°C to +60°C	We request the tendering authority to amend the starting operating temperature range to -30°C instead of -40°C. Generally, CCTV OEMs do not offer an operating temperature range of -40°C.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
274	Sr. No.4 : Lens Type: Motorized (e.g., 2.7 mm - 13.5mm/5mm- 50mm)	Please note that the focal length may vary across different OEMs depending on resolution and image size, therefore we request the tendering authority to allow/add a tolerance of +1 mm for camera qualification by OEMs. The tendering authority has already mentioned this same tolerance in the technical specification for 5 MP bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
275	Sr. No. 15: Onboard Storage- Min. 1 TB	We request the tendering authority to amend the requirement to 256 GB of onboard camera storage, as 1 TB of onboard storage is generally not available in flameproof or Ex-Proof cameras from CCTV OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
276	Sr. No.9: Lens Focal Length- 4.5 mm to 135 mm	Please note that the focal length may vary across different OEMs depending on resolution and image size, therefore we request the tendering authority to allow/add a tolerance of +1 mm for camera qualification by OEMs. The tendering authority has already mentioned this same tolerance in the technical specification of 5 MP PTZ camera of township and rigs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
277	Sr. no. 10: Field of View- Horizontal: 60°–2.3°, Vertical: 35°–1.3°	When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.3° may be preferable to 60°–2.3° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.3°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 60°–2.3° to 56°–2.3°.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
278	Sr. No. 13: Video Streaming: Min. four compressed Simultaneous Video streams at min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
279	Sr. no. AI Analytics Support: Queuing, Crowd Gathering	Generally, PTZ camera does not have queuing and crowd gathering analytics on edge. We request tendering authority to remove these analytics to ensure PTZ camera qualification in this bid. Due to use of fixed camera for detailed surveillance, these cameras offer Queuing, Crowd Gathering analytics on edge.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
280	Sr. No. 8:Field of View- Horizontal: Horizontal: 117°–37°, Vertical:62°–30°	CCTV OEMs offer 2.9-9mm or 2.8-12mm lens in 2MP bullet camera, providing a horizontal angle of 86° (wide) to 37° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 86° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
281	Sr. no.9: Super/Wide Dynamic, up to 140 dB	120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
282	Compatibility with existing components. The project components/system to be installed by SI should also be compatible & integrated with existing components/system.	Kindly share the existing components so that bidder can check compatibility and integration side aspect and confirm.	Bidders are required to undertake a site survey to verify compatibility and integration aspects. The details were shown during the CCC visit in the pre-bid meeting.

283	The network architecture shall adopt a hybrid connectivity model, integrating wireless, fiber-optic, and SIM-based (IoT) technologies with IPSec Tunnelling to ensure robust performance, security, redundancy, and continuous connectivity under all operational conditions.	Traditional IPSec-based connectivity across heterogeneous transport networks may introduce challenges related to tunnel re-establishment, failover latency, and increased operational complexity. In view of this, please clarify whether bidders are permitted to propose an equivalent secure connectivity solution that meets the specified security, availability, and performance requirements. Kindly confirm the flexibility available in selecting alternative secure architectures.	The secure connectivity solution shall be finalized during the solution design phase in consultation with OIL.
284	3.3.11 Enterprise Management (EMS) The Enterprise Management System (EMS) is an important requirement of this Project with a mobile app android and IOS for the field workforce. Various key components of the EMS are: • SLA & Contract management System • Network Monitoring System • Server Monitoring System • Helpdesk System	As it is a single BOQ line item bidder is assuming a single product can be offered which can comply all. Kindly clarify your consideration.	Bidders shall comply with all specified components. It is up to the bidder to propose a single product or two products (e.g., EMS and NMS) to meet the requirement.
285	The VMS shall offer the ability to encrypt the media stream, including video, audio, and metadata with authenticated encryption. Media stream encryption shall be done at rest and in transit and be a certificate-based AES 128-bit encryption.	No clarity as AES 256-bit Encryption is asked for cameras. - Cameras require AES-256. (Page 238) - VMS mentions AES-128 and FIPS mode. (Page 320) No clarification whether: -AES-128 is acceptable, -End-to-end encryption should be AES-256 Please clarify the minimum encryption standard applicable across the solution and whether AES-128 is acceptable where AES-256 requirements are specified elsewhere.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
286	CONTRACTOR shall conform in all respects with the provisions of any Statute, Ordinance of Law as aforesaid and the regulations or bye-law of any local or other duly constituted authority which may be applicable to the services and with such rules and regulation, public bodies and Companies as aforesaid and shall keep COMPANY indemnified against all penalties and liability of every kind for breach of any such Statute, Ordinance or Law, regulation or bye-law.	No data privacy standard mentioned: DPDP Act compliance, Data retention policy, User monitoring requirements, Data ownership and access rights. Bidder requesting clarification on the same.	As per the terms and conditions of the tender.
287	ANNEXURE 2.1.28: TECHNICAL SPECIFICATION AND COMPLIANCE OF SIM BASED ROUTER AND CENTRAL MANAGEMENT SYSTEM	Please clarify whether the dual-SIM router is expected to operate in active-active or active-standby mode. Additionally, please confirm whether the two SIM connections are to be provisioned from the same ISP or from different ISPs. Considering that mobile network connectivity may not always provide consistent reliability, there is a concern regarding its ability to support the stipulated SLA requirements. Kindly provide further clarity on the proposed connectivity architecture and the associated SLA expectations.	The operating mode of the dual-SIM router (active-active or active-standby) shall be decided during the design phase in consultation with OIL. For SLA expectations, please refer the SLA provisions of the RFP.
288	Relocation of Command-and-Control Centre during O&M	The tender envisages complete relocation of the existing Command-and-Control Centre to a proposed new building and specifies that the associated migration cost shall be based on actual requirements and excluded from the final financial quotation. Kindly confirm whether such relocation shall be executed against a separate work order with mutually agreed rates and timelines. Please also clarify the applicability of O&M SLA deductions during the approved migration period.	As per Clause 3.3.12.2 of SOW (Note under 'Relocation of the Command-and-Control Center to the proposed new Building'), the migration cost including design, re-installation, dismantling, transportation, procurement of any additional line item, etc. shall be based on the actual requirement at that time and as per the requirements of OIL, and shall not be part of the final financial quotation of the Contractor.
289	The tender specifies that simple camera relocation will not attract additional charges unless civil work is involved. It also requires viewing-centre relocation at no additional cost to OIL.	Kindly define the criteria for distinguishing simple camera relocation from complete relocation. Please also clarify whether the costs of additional cabling, network reconfiguration, transportation, consumables, mounting accessories and manpower associated with viewing-centre relocation are to be absorbed within the quoted O&M charges or paid against the applicable relocation BOQ items.	As per the terms and conditions of the tender.
290	The SOW mentions that complete relocation includes dismantling, transportation and reinstallation. However, the BOQ provides separate quantities of 364 each for complete rig relocation and reinstallation.	Please clarify whether complete relocation and complete reinstallation of CCTV systems at drilling rigs are two separately payable activities or whether both are considered part of one relocation cycle. Kindly define the individual scope and payment applicability of BOQ Items 8 and 9 to avoid ambiguity during O&M execution and invoicing.	Please refer Price Bid Serial Nos. 1500 and 1510. The scope covers dismantling and shifting of the CCTV system at the rigs, followed by its re-installation at the relocated site. These activities

			shall be considered as part of one complete relocation cycle and shall be billed as a single relocation activity. Separate payment for dismantling/shifting and re-installation shall not be applicable.
291	The tender specifies comprehensive warranty and O&M for the first year, whereas payment during this period is restricted to manpower, operators, SIM charges and relocation activities.	Please clarify whether the cost of preventive maintenance, corrective maintenance, hardware replacement, software support, OEM technical support and other comprehensive O&M services during the first year shall be considered within the supply cost or quoted separately under the first-year warranty/O&M line item in the BOQ.	Please refer BOQ Guidelines – Point No. 3 (Section-IV): during the 1st year of O&M, including the warranty period, payment shall be made only towards (i) Operators, deployed manpower and SIM charges; and (ii) Complete relocation of RIG/Outdoor Camera/Indoor Camera/Site, as and when required.
292	Installation of additional cameras and future integration requirements	The O&M scope includes installation of additional cameras and integration with future third-party applications, security platforms and enterprise systems as required by OIL. Kindly clarify whether the associated additional hardware, licences, networking infrastructure, cabling, civil work, configuration, integration and testing services shall be covered under the existing O&M value or paid separately based on actual requirements and mutually approved rates.	The cost of additional hardware, licences, networking, cabling and civil works for installation of additional cameras or for integration with future third-party applications is not covered under O&M; such requirements shall be addressed separately as per the applicable contract terms and conditions.
293	SLA applicability for network/power failure and rig relocation timelines	The SLA matrix specifies camera uptime irrespective of network/power issues, while SCC Clause 18.5 provides exclusions for circumstances beyond the contractor's reasonable control. Kindly clarify the treatment of outages arising from OIL-owned infrastructure, existing OFC failure, telecom network unavailability, extended electrical outages and restricted site access. Further, for the 72-hour rig relocation SLA, please confirm whether the timeline shall commence upon receipt of notification or upon availability of the new site with the necessary access, power supply and statutory clearances.	Maintenance of the existing OFC utilized for the proposed solution shall be under OIL's scope, and any cuts or faults in the existing OFC shall be taken care of by OIL and shall not be part of the SLA. However, the bidder shall proactively monitor the connectivity and promptly inform OIL in case of any issue. SIM-based network connectivity shall be in the bidder's scope, and the Network SLA requirements shall also be applicable to SIM-connected sites. The stipulated 72-hour period for reinstallation/commissioning at a new rig location shall be reckoned from the time the new rig site is handed over to the bidder with the required power supply, work permit and access, and not from the date of notification of rig movement. For all other cases, SLA exclusions shall be governed by SCC Clause 18 (Service Level Agreement) and the SLA terms of the RFP.
294	SIM connectivity and recurring diesel consumption	Please clarify the basis for calculating recurring SIM/data connectivity charges, including expected data consumption and bandwidth requirements for remote surveillance locations. Further, the tender specifies 50 hours of monthly generator operation for calculating recurring diesel costs. Kindly confirm the payment mechanism in case actual generator operation exceeds this assumption or fuel prices change significantly during the seven-year O&M period.	The bidder shall assess the SIM data consumption and bandwidth requirements based on the proposed solution and shall quote the applicable SIM/data charges accordingly. Diesel cost corresponding to DG operation up to 50 hours per month shall be paid to the bidder along with the applicable O&M charges. Diesel consumption/cost for DG operation beyond 50 hours per month shall be borne by OIL. The bidder shall maintain a proper DG operating and diesel consumption logbook, recording the actual operating hours/consumption, and shall make the same available for verification and audit purposes.

ANNEXURE-I

295	Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy.	As per our understanding Under Customs Notification No. 12/2012-Customs dated 17.03.2012, a List (such as List-34) by itself does not automatically confer a Nil Basic Customs Duty (BCD). The applicable duty depends on: The relevant Serial Number (Sl. No.) in the notification table. The description of goods in that serial number. Whether the goods are covered by List-34 referred to against that serial number. The duty rate specified in Column (4) of that serial number. Therefore, to determine whether the customs duty is Nil, request you to share the Sr nos of the notification a per scope of tender Please share the goods description or the Sl. No. of the exemption entry, to check whether the applicable BCD is Nil or some concessional rate.	Customs Notification No. 12/2012-Customs dated 17.03.2012 stands superseded by Notification No. 50/2017-Customs and subsequently by Notification No. 45/2025-Customs dated 24.10.2025. Applicability of Nil/concessional customs duty benefits depends upon the HSN classification, description of goods and conditions prescribed under the prevailing notification. Determination of eligibility for Nil/concessional customs duty shall be the responsibility of the bidder.
296	Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy.	Request you to confirm whether Oil India Ltd will provide any document to avail nil/concessional custom duty	Yes, Oil India will provide the required documents to avail nil/concessional custom duty if eligible as per Notification No. 50/2017-Customs superseded by notification no. 45/2025 dated 24.10.2025, upon request from the vendor on provision of the requisite documents as per above mentioned notification.
297	Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account whereas any decrease in the rate GST shall be passed on to the OIL	We hereby request you to allow the statutory variation for the valid and approved extension period as well, since the extension period forms an integral part of the overall contract period.	As per the terms and conditions of the tender.
298	As per Clause 171 of GST Act it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices.	As per our understanding, this clause was relevant during the transition from the VAT regime to the GST regime. However, it has now been more than eight years since the implementation of GST. We would appreciate your confirmation on whether this clause continues to have any relevance or applicability under the current indirect tax framework. If it does remain applicable, kindly provide the basis for its continued relevance.	No change, since it is a part of GCC, however, the comment has been duly noted for future tenders.
299	General Query	Request you to confirm that BOCW/labour cess would not be deducted from our payment	As per the terms and conditions of the tender.
300	GCC 44.9: "Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the COMPANY on giving 30 (thirty) days written notice to the CONTRACTOR due to any other reason not covered under the above Article from 44.1 to 44.8 and in the event of such termination the COMPANY shall not be liable to pay any cost or damage to the CONTRACTOR except for payment of services as per the Contract upto the date of termination."	Query: Year 1 of O&M is unpaid apart from manpower and SIM charges. The bidder therefore recovers its capex over 7 years of O&M, and a termination for convenience that pays only for "services" leaves that investment unrecovered. Separately, GCC 45.0/46.0 apply "risk and cost" to terminations under 44.4 to 44.9, which takes in convenience termination under 44.9. We request OIL to amend 44.9 as follows: "In the event of such termination, COMPANY shall pay the Contractor: (i) all amounts due for work performed up to the date of termination; (ii) the price of equipment delivered or irrevocably ordered; (iii) unrecovered capital costs and the discounted margin on the balance O&M period; and (iv) reasonable demobilization and subcontract cancellation costs. All Performance Security shall be released within 30 days."	As per the terms and conditions of the tender.
301	SCC Sl. 14: "The Contractor's total liability under the contract shall be limited to 100% of the Contract Value, unless otherwise specified in the SCC. • The liability cap shall not apply to: o Liquidated Damages (LD); o Forfeiture of Performance Security/PBG; o Replacement or rectification of defective equipment/services; o Intellectual Property Rights (IPR) indemnity obligations. • The Contractor's liability shall be limited as specified above, and no indemnity shall be payable by the OIL in respect of claims exceeding such liability cap."	Query: Because LD, PBG forfeiture and rectification all sit outside the cap, the Contractor's real exposure is well above 100%. Request to remove the below from exclusion of list of LOL: o Liquidated Damages (LD); o Forfeiture of Performance Security/PBG; o Replacement or rectification of defective equipment/services;	As per the terms and conditions of the tender.
302	GCC 30.0(b): "it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD [...] a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price." SCC 18.2: "if SLA point score is 80 then the System Integrator will get 20% less on the quarterly payment" and "Other than SLA Score point, additional penalty/deduction will be applicable" SCC 18.6: "For every security breach reported and proved, there shall be a penalty	Query: (a) The mobilization LD in GCC 30.0(b) is calculated on the full Contract Value, including 7 years of O&M. SCC Sl. 13, by contrast, calculates milestone LD on the Phase I and II cost only. (b) SLA deductions and penalties have no aggregate ceiling. (c) Camera uptime counts downtime caused by OIL's own power and network. We request OIL to: (i) confirm that SCC Sl. 13 replaces GCC 30.0(b) in full, delete "with unconditionally agreeing for levy and recovery of LD", and state that the overall LD maximum is 7.5% of Phase I and II cost; (ii) add: "Aggregate SLA deductions and penalties shall not exceed 10% of the quarterly O&M	As per the terms and conditions of the tender.

	of INR 500,000/- and the punishment as per the OIL rules and regulation." SLA Matrix: "Uptime per camera (live feed available irrespective of network/power/etc. issues)"	charges in any quarter. Aggregate LD, SLA deductions and penalties over the Contract shall not exceed 10% of the Contract Value. LD shall be COMPANY's sole remedy for delay."; (iii) replace "irrespective of network/power/etc. issues" with "excluding downtime attributable to COMPANY-provided power, OFC, network or site access"; and (iv) delete "and the punishment as per the OIL rules and regulation".	
303	GCC 31.0: "Time for performance of the relative obligation suspended by Force Majeure shall then stand extended by the period for which such cause lasts." SCC Sl. 11: "No special/additional payment shall be made for Force Majeure Condition." SCC 18.1(b) Note: "Any delay or hindrance that is demonstrably not attributable to the Contractor and is accepted by OIL shall be considered as being beyond the Contractor's control."	Query: The tender extends time only for Force Majeure. It contains no extension of time, and no cost recovery, for delays caused by OIL across sites and drilling rigs. We request OIL to insert a new SCC clause: "Where completion of any milestone is delayed by any act, omission or instruction of COMPANY or its other contractors, or by delay in site access, permits, approvals, police verification or COMPANY-furnished facilities, the Contractor shall be entitled to a commensurate extension of time without LD, together with reimbursement of documented additional costs, including idle manpower and equipment, storage, and extended insurance and bank guarantee charges." In 18.1(b), delete "and is accepted by OIL".	As per the terms and conditions of the tender.
304	"Complete handover of the planning documents, bill of materials, functional requirements specification, technical specifications of all equipment, change requests if any, sources codes, reports, documents and other relevant items to the replacement service provider/department. Source code for any modifications done for the project shall be property of the purchaser."	Query: The VMS, video analytics, NMS/EMS and SLA tools are proprietary OEM and bidder products. Their source code cannot lawfully be handed over under the OEM licence terms, and doing so to a "replacement service provider" would expose third-party IP. We request OIL to replace item (ii) with: "Each Party retains ownership of its pre-existing IP. COMPANY shall own all video footage, operational data and deliverables created exclusively for COMPANY. The Contractor and its OEMs retain all IP in their pre-existing and commercially available software, firmware, tools and know-how, and grant COMPANY a perpetual, non-exclusive, non-transferable licence to use them for the System. Source code of project-specific custom code may be placed in escrow, with release on Contractor insolvency. Handover documentation shall exclude Contractor and OEM proprietary and confidential information."	As per the terms and conditions of the tender.
305	BEC 8.2: "the assumptions made in respect of the quantities [...] are only for the purpose of evaluation of the bid and the Contractor will be paid on the basis of the actual number of days/parameters" SOW 3.4.2: warranty covers "Service for Installation of additional cameras as per requirements of OIL" SOW: "The complete relocation of viewing centres at any time of the project shall be at no extra cost to OIL." Parent Guarantee: "guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by OIL at any stage."	Insert a new SCC "Variations" clause: "No variation to scope, quantities, specifications or schedule shall be binding unless set out in a written Change Order signed by both Parties, stating the adjustment to price and time. Quantity variations up to ±10% per BOQ line item shall be paid at contract unit rates. Variations above ±10%, and new items, shall be priced by mutual agreement. The Contractor shall not be required to perform any variation before the Change Order is executed."	As per the terms and conditions of the tender.
306	2(1): "The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees [...] any material or immaterial benefit which he/she is not legally entitled to"	Insert a new SCC clause: "Parties shall comply with all applicable anti-bribery and anticorruption laws in performance of this Contract and in all matters relating thereto."	As per the terms and conditions of the tender.

307	No sanctions or export-control clause exists. Integrity Pact Section	Insert a new SCC clause: Company represents, warrants, agrees that: Company is not a "Sanctioned Person," meaning any person or entity : (i) named on the U.S. Department of the Treasury's Office of Foreign Assets Control's ("OFAC") list of "Specially Designated Nationals and Blocked Persons," "Sectoral Sanctions Identifications List" or other economic sanctions lists issued pursuant to a United States governmental Department, the European Union Common Foreign & Security Policy or other governmental Department; (ii) organized under the laws of, ordinarily resident in, or physically located in a jurisdiction that is the subject of sanctions administered by OFAC or the U.S. Department of State (each a "Sanctioned Jurisdiction" and including, at the time of writing, Cuba, Iran, North Korea, Syria, and the Crimea region); or (iii) owned or controlled, directly or indirectly, 50% or more in the aggregate by one or more Sanctioned Persons. Company is in compliance with and will continue to comply with all economic sanctions laws administered by OFAC, the U.S. Department of State, the European Union, or the United Kingdom ("Sanctions Laws"). Company will not involve any Sanctioned Persons or group of Sanctioned Persons in any capacity, directly or indirectly, in any part of this transaction and performance under this transaction. Company will not take any action that would cause Contractor to be in violation of Sanctions Laws. Company will not sell, export, re-export, divert, or otherwise transfer, any Contractor products, technology, or software: (i) to any Sanctioned Persons; or (ii) for purposes prohibited by any sanctions program enacted by the U.S Government. Company's failure to comply with this provision will be deemed a material breach of the Contract, and Company will notify Contractor immediately if it violates, or reasonably believes that it will violate, any terms of this provision. Company agrees that Contractor may take any and all actions required to ensure full compliance with all sanctions laws without Contractor incurring any liability.	As per the terms and conditions of the tender.
308	NA	Quotation shall be submitted based on the provided BOM in RFQ document only, request purchaser to confirm	Bidders shall submit their quotations based on the BOM provided in the RFP. However, bidders shall also ensure that all additional items, components, accessories or services, if required to meet the functional requirements and achieve the intended project objectives, are duly considered and included in their quoted price. No additional cost on this account shall be borne by OIL. Accordingly, bidders are required to quote comprehensively for the complete scope and requirements of the tender.
309		Typical drawings are required for 1,936 CCTV cameras across 646 locations, including the network architecture and 100 PA systems.	The network design shall be finalized during the solution design phase in consultation with OIL.
310		SAN Storage with 3.5 pb. Usable capacity with maximum 24TB NL-SAS HDD after concurrent triple drive failure protection. Please confirm whether the specified 3.5 PB is usable capacity after RAID and redundancy?	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
311		Please clarify the scope of the Command Center design and detailed requirement.	Please refer Clause 3.3.2 (Command and Control Center) and Clause 3.3.14 (Layout of Command-and-Control Center) of SOW, and Annexure 2.3.6 of the Technical Specifications for the detailed CCC requirements.
312		solution is scalable to support up to 4,000 cameras ➢ support 2,700 cameras from day one, ➢ VMS licenses shall be provided for 2,200 cameras Please confirm whether the proposed storage & network BOM is designed for 2,700 cameras or 4,000 cameras.	The storage, network and other infrastructure (BOM) shall be designed for 2,700 cameras from Day One, with VMS licences for 2,200 cameras, and the solution shall be scalable to support up to 4,000 cameras through future expansion provisions. Bidders shall quote as per the RFP.
313		Please confirm whether the BOM is with redundancy at server, storage, network, and application levels?	As specified in Clause 3.3.3 (Data Center) of SOW, the solution shall be designed in High Availability (HA) mode with redundancy at server, storage, network and application levels. The redundancy architecture shall be N+1.

314		Manpower - 24X7 Operators need to include in quotation? please confirm its bidders person required at site for specified duration.	Control Room Operators (24x7) and other project manpower shall be deployed by the bidder at site for the duration specified in Clause 3.3.12 (Project Manpower) of SOW, and the cost shall be included in the quotation. Please refer Clause 3.3.12 of SOW.
315		O&M Manpower - Scope need to include in quotation? please confirm its bidders person required at site for specified duration.	O&M manpower shall be deployed by the bidder at site for the duration specified in Clause 3.3.12.2 (Technical manpower requirement for O&M Phase) of SOW, and the cost shall be included in the quotation. Please refer Clause 3.3.12.2 of SOW.
316		VESDA system locations? Detailed drawings & room dimensions required if same is in bidders' scope of supply or any integration required with CCS.	The VESDA system is in the bidder's scope; please refer Clause 3.3.13.1 (VESDA) of SOW and Annexure 2.1.47 of the Technical Specifications.
317		Honeywell understand that Fire alarm System shall be not in scope of Honeywell.	The bidder's understanding is not correct. The Fire Detection and Suppression System is in the bidder's scope; please refer Clause 3.3.13.2 of SOW and Annexures 2.1.51/2.1.52 of the Technical Specifications.
318		ACCESS system Locations? Also, N/w Scope for access control system? It will be connected in CCTV network or required separate network? Required detailed requirement of ACS system for whole project currently only 2 nos. system asked required more details like how many controllers, readers, proximity cards etc.	Please refer Clause 3.3.13.3 (Access control system) of SOW and Annexure 2.1.46 of the Technical Specifications.
319		Indoor surveillance system - To consider in main BOM or separate qty required? Also, N/w Scope?	Please refer Clause 3.3.13.4 (Indoor surveillance system) of SOW and the Price Bid Format.
320		Honeywell understand that Rodent Repelling System shall be not in scope of Honeywell.	The bidder's understanding is not correct. The Rodent Repelling System is in the bidder's scope; please refer Clause 3.3.13.5 of SOW and Annexure 2.1.48 of the Technical Specifications.
321		Honeywell understand that Fire Extinguishers shall be not in scope of Honeywell.	The bidder's understanding is not correct. Fire Extinguishers for the CCC are in the bidder's scope; please refer Clause 3.3.13.6 of SOW.
322		Pole Foundation & Protection scope?	Pole foundation and protection are in the bidder's scope; please refer Clause 3.3.16 (I&C Work) of SOW.
323		Honeywell understand that electrical works shall be not in scope of Honeywell.	The bidder's understanding is not correct. The electrical works are in the bidder's scope; please refer Annexure 1 (Technical Specification of Electrical Items for Command and Control Center) and the SOW.
324		Onboard Storage - Different SD card capacities/types have been specified for different camera models. Please clarify the reason for this requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
325		Please confirm about the spare philosophy	For smooth O&M and warranty support and to ensure minimum downtime, adequate spares shall be maintained and managed by the bidder under the project, to ensure service continuity, quick replacement and reliable performance throughout the contract period.
326	NA	Bidder understand that, Supervision of I & C shall be in bidders Scope, however actual Installation of equipment's shall be in purchasers' scope.	The bidder's understanding is not correct. The complete Installation & Commissioning (I&C), including supervision, actual installation, testing and commissioning of all equipment, shall be under the bidder's scope as per the RFP.

327	6. The VMS shall integrate cameras using dedicated driver or using the industry standards ONVIF Profile S, T, M and Profile G. The same must be listed on the ONVIF website. VMS thick client should be listed on Onvif.org website under conformant products and should be updated with versions for at least the preceding 03 years reckoned from the original bid closing date. An undertaking from the OEM conforming the same must be submitted with the bid.	The tender specifies that the VMS thick client shall be listed on the ONVIF website under Conformant Products and that the listing shall be updated with versions for at least the preceding three (03) years reckoned from the original bid closing date. ONVIF conformance certificates do not inherently expire; once a core release version is certified and listed, it remains valid. Requiring frequent new listings over 3 years creates an artificial barrier for stable, proven enterprise platforms that do not issue major structural architectural changes every year, because our core architecture is highly stable, reliable, and compliant, frequent re-submittal to ONVIF for new version listings was not required to maintain full interoperability. We request you to kindly relax the requirement of "updated with versions for at least the preceding 03 years".	As per the terms and conditions of the tender.
328	xvi. Behavioral Analytics 2: Checks if the Security Guard adheres to the vehicle and person check protocol (LPU based for 17 Locations with n/w issue, other locations central server based)	With reference to the requirement for Behavioural Analytics to check whether the Security Guard adheres to the vehicle and person check protocol, kindly provide/clarify the specific vehicle and person checking protocols, procedures, and parameters that the system is required to monitor and validate. Since the implementation of Behavioural Analytics depends on clearly defined protocols and parameters, kindly provide the same to ensure proper understanding of the scope and accurate compliance with the tender requirement.	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
329	LPU hardware and software should be provided by the same VA vendor providing the VA use cases.	The tender specifies that the LPU hardware and software shall be provided by the same VA vendor providing the VA use cases. Since VA OEMs may specialize in VA software while the LPU hardware is sourced from qualified hardware OEMs, kindly clarify whether the LPU hardware may be supplied through a qualified/authorized hardware OEM or system integrator, while the VA software and use cases are provided by the VA OEM. This will ensure compatibility and integrated functioning of the complete VA solution while allowing participation of specialized VA software OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
330	Video analytics licenses shall be flexible and not permanently bound to a specific camera or use cases. The system must allow dynamic configuration so that any analytics use case can be enabled, disabled or reassigned to any camera as required. The system will run on hardware capable of supporting a total of 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites, and 250 cameras assigned to DRIVE. Each camera will deploy 4 use cases, resulting in a total requirement of 5,000 use case licenses.	With reference to the requirement of 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites and 250 cameras assigned to DRIVE, with four (04) analytics use cases per camera, resulting in a total requirement of 5,000 use case licenses, kindly provide the detailed camera-wise/site-wise distribution and VA processing architecture for the proposed solution. In particular, kindly clarify the number of Remote Sites and the number of cameras at each Remote Site, along with the corresponding LPU requirement, considering that analytics at Remote Sites is specified to be LPU-based. Further, kindly clarify the meaning and deployment architecture of “DRIVE”, including the location/site details and whether the stated 250 cameras are to be processed on separate VA hardware. The above details are requested to clearly establish the site-wise camera distribution, LPU/VA processing requirements and license deployment model for accurate sizing and compliance.	The 5,000 VA use-case licences pertain to the central VA solution, including the cameras covered under DRIVE. For the 17 remote locations, VA processing shall be LPU-based, and bidders shall appropriately size and propose the required LPUs and associated remote LPU servers. Metadata from the remote LPUs shall be transmitted to the central site(s) for consolidation. DRIVE is an OIL project covering 250 cameras, which shall form part of the central VA licence pool and shall not require separate VA hardware.
331	50 Supply of Analytics Server (HA)	With reference to the requirement for “Supply of Analytics Server (HA)”, kindly clarify the intended High Availability architecture for the VA servers. Specifically, please confirm whether the VA servers are required to be configured in N (active-active) architecture or N:1 (active-standby/failover) architecture, and accordingly clarify the required redundancy and failover mechanism.	The High Availability (HA) architecture for the Analytics Servers shall be N+1, i.e. N active servers sized for the full analytics load plus a minimum of one (01) standby server with automatic failover. The proposed architecture shall meet the performance, availability and SLA requirements specified in the RFP. The bidder shall be responsible for appropriate sizing and configuration of the solution accordingly.

332	26 To ensure openness, VMS, Cameras and Video Analytics may not be from the same manufacturer.	The tender specifies that VMS, Cameras and Video Analytics may not be from the same manufacturer. Kindly consider providing relaxation to allow the VMS and Video Analytics software to be supplied by the same OEM, while the Cameras may be supplied by a different compatible OEM. We, i2V, as a software OEM, provide both VMS and Video Analytics software. Hence, kindly consider allowing the VMS and VA software to be supplied by the same software OEM, while permitting cameras from other compatible OEMs. With the VMS & VA to be from the same OEM, it provides with the Following Advantages Single-Point Accountability & Warranty Resolution: Splitting the core components across three separate manufacturers often leads to operational friction and extended issue resolution times during post-installation support. When failures occur in video streaming, metadata passing, or analytics accuracy, individual OEMs frequently attribute blame to third-party driver incompatibilities. Native Performance & Deep Metadata Integration: Single-manufacturer solutions that provide VMS and Analytics offer deep, native software optimization (e.g. lower bandwidth consumption, and advanced metadata search) that goes beyond basic Integration.	As per the terms and conditions of the tender.
333	Note: Camera based edge analytics should not be considered	The Bidder requests the committee to amend this clause to allow advanced, NPU-driven camera-based edge analytics as a fully compliant and resilient deployment option. Technical Justification & Operational Benefits: - Eliminates Network Bottlenecks: Restricting edge processing mandates a legacy server-only topology, forcing the continuous streaming of massive raw video data that chokes network backhaul. - Hardware-Level Deep Learning: Modern edge cameras utilize embedded dedicated NPUs that process deep neural networks locally, enabling simultaneous 3D calibration and frame-by-frame tracking of up to 60 classified objects (persons/vehicles) without external hardware or software. - Bandwidth Efficiency (MQTT): Edge processing allows the device to publish lightweight metadata text alerts via MQTT rather than heavy, continuous streams, reducing overall network data load by up to 90%. - Zero-Latency Edge Failover: Decentralised processing ensures that even if local network connectivity to the central server drops, critical security rules (like line crossing and access control) continue to execute instantly at the device level without a single point of failure. (Please refer detailed Summary)	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
334	5MP (2592 × 1944) @ min 25/30 FPS	Min. 4MP (2688 × 1520) @ 60fps @16:9 aspect ratio in full feature mode	As per the terms and conditions of the tender.
335	Max. 200 m (50IRE)	Minimum effective IR range 300 Mtr or better	As per the terms and conditions of the tender.
336	4.6–135 mm (+1) mm	to be generalised as Lens: - 6 mm (+-1 mm) to min150 mm	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
337	Min. four compressed simultaneous video streams @ H.265 min. 25/30 FPS	to be corrected as Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
338	Multiple user access levels, enhanced password policy, Data Security Standard compliance, Digest authentication, IP Filtering, AES 256-bit Encryption, IEEE 802.1x. BIS+ER as per ER 01:2024/STQC certification as per MeitY guidelines; documentary evidence required	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	As per the terms and conditions of the tender.
339	5MP (2592 × 1944) @ min 25/30 FPS	Min. 4MP (2688 × 1520) @ 60fps @16:9 aspect ratio in full feature mode	As per the terms and conditions of the tender.
340	Max. 200 m (50IRE)	Minimum effective IR range 300 Mtr or better	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

ANNEXURE-I

341	4.6–135 mm (+1) mm	to be generalised as Lens: 6 mm (+-1 mm) to min150 mm	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
342	Min. four compressed simultaneous video streams @ H.265 min. 25/30 FPS	to be corrected as Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
343	Multiple user access levels, enhanced password policy, Data Security Standard compliance, Digest authentication, IP Filtering, AES 256-bit Encryption, IEEE 802.1x. BIS+ER as per ER 01:2024/STQC certification as per MeitY guidelines; documentary evidence required	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	As per the terms and conditions of the tender.
344	Outdoor IR Bullet Network Camera	Outdoor Bullet/Box type camera	As per the terms and conditions of the tender.
345	5MP (2592 × 1944) @ min. 25/30 FPS	Min. 4MP (2688 × 1520) @ 60 fps@ 16:9 aspect ratio in full feature mode	As per the terms and conditions of the tender.
346	Up to 180 meters (PoE/PoE++/12VDC)	Minimum effective IR range min 140 Mtr or better	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
347	Motorized 10x Optical Zoom	to be removed	As per the terms and conditions of the tender.
348	4.7–47 mm (+1) mm	Lens: -10 mm-50mm (+ -3), p- iris	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
349	Min. four compressed simultaneous video streams @ H.265 min. 25/30 FPS	to be corrected as Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
350	Two-way audio, sound detection (inbuilt audio mic)	to be generalised as inbuilt/External two-way audio	As per the terms and conditions of the tender.
351	Min. four compressed simultaneous video streams at 25/30 FPS	to be corrected as Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
352	Two-way audio, Built-in Mic	to be generalised as inbuilt/External two-way audio	As per the terms and conditions of the tender.
353	TEE (Trusted Execution Environment)/FIPS 140-2 for secure boot, Password Protected access, IP address filtering & user access log facility	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
354	Up to 55 meters	Minimum effective IR range 30 Mtr or better for Dome camera	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
355	Min. four compressed simultaneous video streams at min. 25/30 FPS	to be generalised as Min. Three Stream on Max resolution, PS,	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
356	Two-way audio, sound detection (inbuilt audio mic)	to be generalised as inbuilt/External two-way audio	As per the terms and conditions of the tender.
357	Multiple user access levels, enhanced password policy, Data Security Standard compliance, Digest authentication, IP Filtering, AES 256-bit Encryption, IEEE 802.1X. BIS+ER as per ER 01:2024/STQC certification as per MeitY guidelines. Documentary evidence required.	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	As per the terms and conditions of the tender.
358	1920 × 1080 (2 Megapixel), min. 25/30 FPS	Min. 4MP (2688 × 1520) @ 60 fps@ 16:9 aspect ratio in full feature mode	As per the terms and conditions of the tender.
359	40x Motorized Zoom Lens	to be generalised as Lens: - 6 mm (+-1 mm) to min150 mm	As per the terms and conditions of the tender.
360	Up to 350 meters (30IRE)	Minimum effective IR range 300 Mtr or better	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

361	Super/Wide Dynamic, up to 140 dB	To be Standardised as Dynamic range min 130dB or more	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
362	Minimum four compressed simultaneous video streams at min. 25/30 FPS	Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
363	Multiple user access levels, enhanced password policy, Data Security Standard compliance, Digest authentication, IP Filtering, AES 256-bit Encryption, IEEE 802.1X. BIS+ER as per ER 01:2024/STQC certification for CCTV security as per MeitY guidelines. Documentary evidence required.	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	As per the terms and conditions of the tender.
364	Outdoor Bullet Network Camera	Outdoor Bullet/Box type camera	As per the terms and conditions of the tender.
365	1920 × 1080 (2 Megapixel) @ min. 25/30 FPS	Min. 1920 × 1080 (2 Megapixel) @ 60 fps@ 16:9 aspect ratio in full feature mode	As per the terms and conditions of the tender.
366	2.9–9.0 mm	to be generalised as Lens: -4.4 mm-10mm (+ -3), P-iris	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
367	AI-based/CBR & VBR based bandwidth optimization	Include AI Based Dynamica noise reduction	As per the terms and conditions of the tender.
368	Min. 3 compressed simultaneous video streams at min. 25/30 FPS	to be corrected as Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	As per the terms and conditions of the tender.
369	Two-way audio, sound detection (inbuilt audio mic)	to be generalised as inbuilt/External two-way audio, sound detection	As per the terms and conditions of the tender.
370	Multiple user levels, enhanced password policy, Digest authentication, IP Filtering, AES-256, IEEE 802.1X, BIS+ER/STQC certification	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	As per the terms and conditions of the tender.
371	Outdoor IR Bullet Network Camera	Outdoor Bullet/Box type camera	As per the terms and conditions of the tender.
372	5MP (2592 × 1944) @ min. 25/30 FPS	Min. 4MP (2688 × 1520) @ 60 fps@ 16:9 aspect ratio in full feature mode	As per the terms and conditions of the tender.
373	Up to 180 meters (PoE/PoE++/12VDC)	Minimum effective IR range 140 Mtr or better	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
374	Motorized 10x Optical Zoom	to be removed	As per the terms and conditions of the tender.
375	4.7–47 mm (+1) mm	Lens: -10 mm-50mm (+ -3), p- iris	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
376	Min. four compressed simultaneous video streams @ H.265 min. 25/30 FPS	to be corrected as Min. four compressed simultaneous video streams @ H.265 @ 60 FPS for all streams	As per the terms and conditions of the tender.
377	Two-way audio, sound detection (inbuilt audio mic)	to be generalised as inbuilt/External two-way audio, audio detection	As per the terms and conditions of the tender.
378	Two-way audio, Built-in Mic	to be corrected as inbuilt/External two-way audio,	As per the terms and conditions of the tender.
379	Cameras offered must have BIS+ER as per ER 01:2024/STQC certification for security of CCTVs as per MeitY guidelines. Documentary evidence to be furnished by Contractor.	To include Network Security- The camera shall support a Covert Mode that disables network discovery protocols. When Covert Mode is enabled, communication shall be permitted only with pre-authorized clients, thereby reducing the camera's network attack surface and preventing unauthorized access." The camera shall provide a feature to disable web-based login access. When enabled, the camera shall reject all login attempts through the web interface (HTTP/HTTPS), preventing users from authenticating via a web browser and reducing the network attack surface.	As per the terms and conditions of the tender.

ANNEXURE-I

380	3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company,	Request to please ammed the clause as below to allow participation The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company/Private Company meeting any one of the following criteria a) One completed similar work each costing not less than the amount equal to Rs. 60 Cr INR. . b) Two completed similar works each costing not less than the amount equal to Rs. 25 Cr INR. . c) Three completed similar works each costing not less than the amount equal to Rs. 15 Cr INR.	As per the terms and conditions of the tender.
381	II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings a) A minimum of 950 Outdoor CCTV Cameras. b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras.	Request to allow a minimum 900 cameras Outdoor CCTV Cameras. Request to exclude flameproof Cameras (Bullet and PTZ) from technical evaluation criteria	As per the terms and conditions of the tender.
382	A. Payment towards Supply The payment towards supply of items shall be released site-wise for each individual site, as follows: 1. 50% of the total supply cost attributable to the respective site shall be released upon completion of supply of all items at that site. 2. 25% of the total supply cost attributable to the respective site shall be released upon completion of site-wise Installation & Commissioning (I&C), along with the applicable payment towards site-wise I&C. 3. The remaining 25% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site. The above payment milestones shall be applicable separately for each site, and the corresponding payments shall be released upon achievement and certification of the respective milestone for the concerned site. B. Payment towards Installation & Commissioning (I&C) 100% of the applicable I&C charges for the respective site shall be released upon successful completion of Installation & Commissioning (I&C) at that site, duly certified by OIL. The Payment shall be released as per the following: Where D = Issue of Letter of Award (LOA) to the Contractor	A. Payment towards Supply The payment towards supply of items shall be released site-wise for each individual site, as follows: 1. 80% of the total supply cost attributable to the respective site shall be released upon completion of supply of all items at that site. 2. 10% of the total supply cost attributable to the respective site shall be released upon completion of site-wise Installation & Commissioning (I&C), along with the applicable payment towards site-wise I&C. 3. The remaining 10% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site. The above payment milestones shall be applicable separately for each site, and the corresponding payments shall be released upon achievement and certification of the respective milestone for the concerned site. B. Payment towards Installation & Commissioning (I&C) 100% of the applicable I&C charges for the respective site shall be released upon successful completion of Installation & Commissioning (I&C) at that site, duly certified by OIL.	As per the terms and conditions of the tender.
383	5MP (2592 × 1944) @ min 25/30 FPS	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
384	Horizontal: 62°–2.4° Vertical: 37°–1.91°	Proposed Amendment: Horizontal FOV: 58.1° – 2.34° Vertical FOV: 40.5° – 1.48° Justification: The offered FOV differs only marginally from the specified values and does not impact the surveillance coverage or operational effectiveness of the PTZ camera. Hence, acceptance of the offered specification is requested.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
385	Super/Wide Dynamic 130 dB	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

386	Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
387	Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.
388	Enabled for human and vehicle Targets	Proposed Amendment: Auto Tracking for human and vehicle targets based on AI analytics capability. Justification: The offered AI-based target tracking provides intelligent object following and effective incident monitoring comparable to the specified functionality.	As per the terms and conditions of the tender.
389	FIPS 140-2/ TEE (Trusted Execution Environment)	Proposed Amendment: Request to remove the requirement for FIPS 140-2/TEE (Trusted Execution Environment) and amend the clause to: "Camera shall be equipped with a Secure Chipset and IEC 62443-4-1, UL Cybersecurity Certification, BIS ER-01:2024/STQC Compliance, Secure Boot, Signed Firmware and Encrypted Firmware. Justifications: IEC 62443-4-1, UL Cybersecurity Certification and BIS ER-01 provide comprehensive cybersecurity assurance covering secure development lifecycle, firmware protection, vulnerability management, authentication and encryption. Acceptance of these standards will ensure robust cybersecurity while enabling wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
390	PoE++ (IEEE802.3at/bt), 12V DC	Proposed Amendment: IEEE 802.3bt PoE++ Type 4 Class 7/24VAC/48VDC. Justification: The offered power options provide equivalent or better powering flexibility and are fully suitable for PTZ camera operation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
391	5MP (2592 × 1944) @ min 25/30 FPS	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
392	Max. 200 m (50IRE)	Proposed Amendment: 200 m IR Range. Justification: The offered IR range meets the specified distance requirement and ensures effective long-range night surveillance.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
393	Horizontal: 62°–2.4°, Vertical: 37°–1.91°	Proposed Amendment: H: 58.1° – 2.34°, V: 40.5° – 1.48°. Justification: Marginal deviation without any impact on practical surveillance coverage.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
394	Super/Wide Dynamic 130 dB	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
395	Min. four compressed Simultaneous Video streams at H.265 min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	
396	Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.
397	Enabled for human and vehicle Targets	Justification: AI-powered tracking functionality is available for moving targets and provides comparable operational performance.	As per the terms and conditions of the tender.
398	FIPS 140-2/TEE (Trusted Execution Environment)	Proposed Amendment: Request to remove the requirement for FIPS 140-2/TEE (Trusted Execution Environment) and amend the clause to: "Camera shall be equipped with a Secure Chipset and IEC 62443-4-1, UL Cybersecurity Certification, BIS ER-01:2024/STQC Compliance, Secure Boot, Signed Firmware and Encrypted Firmware. Justifications: IEC 62443-4-1, UL Cybersecurity Certification and BIS ER-01 provide comprehensive cybersecurity assurance covering secure development lifecycle, firmware protection, vulnerability management, authentication and encryption. Acceptance of these standards will ensure robust cybersecurity while enabling wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
399	5MP (2592 × 1944) @ min 25/30 FPS	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
400	Colour: 0.006 lx (F1.6, 30IRE), B/W: 0 lx with IR LED or better	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR. Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	As per the terms and conditions of the tender.
401	Up to 180 meters (PoE/POE++/12VDC)	Proposed Amendment: 70m IR. Justification: The offered IR distance adequately covers typical perimeter and building surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
402	Horizontal: 56°–7°, Vertical: 34/°–5.2°	Proposed Amendment: H: 50.85°(Wide) - 7.7°(Tele) V: 30.96°(Wide) - 4.84°(Tele) Justification: Marginal deviation without any impact on practical surveillance coverage.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
403	Min. four compressed Simultaneous Video streams H.265 min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

404	Min. four compressed Simultaneous Video streams at 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
405	Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.
406	TEE (Trusted Execution Environment) /FIPS 140-2 for secure boot, Password Protected access, IPAddress filtering & user access log facility.	Proposed Amendment: Request to remove the requirement for FIPS 140-2/TEE (Trusted Execution Environment) and amend the clause to: "Camera shall be equipped with a Secure Chipset and IEC 62443-4-1, UL Cybersecurity Certification, BIS ER-01:2024/STQC Compliance, Secure Boot, Signed Firmware and Encrypted Firmware. Justifications: IEC 62443-4-1, UL Cybersecurity Certification and BIS ER-01 provide comprehensive cybersecurity assurance covering secure development lifecycle, firmware protection, vulnerability management, authentication and encryption. Acceptance of these standards will ensure robust cybersecurity while enabling wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
407	PoE++ (IEEE802.3bt)/PoE+ (IEEE802.3at), 12V DC	Proposed Amendment: PoE 802.3af (802.3at Type 1) Class 3 /24VAC Justification: The offered power options are widely used and sufficient for reliable camera operation.	As per the terms and conditions of the tender.
408	5MP (2592 × 1944) @ min 25/30 FPS	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
409	Up to 55 meters	Proposed Amendment: Request to amend the requirement and accept an IR illumination range of 50 meters. The offered 50-meter IR range is substantially equivalent to the specified 55-meter requirement. The minor difference does not materially impact surveillance performance, coverage, or operational effectiveness.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
410	Horizontal: 103°–33°, Vertical: 73°–30°	Proposed Amendment: H: 107.4°(W) – 34.2°(T) V: 56.2°(W) – 19.2°(T) Justification: Marginal deviation without any impact on practical surveillance coverage.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
411	Up to 3 simultaneous AI apps (e.g., people, vehicle detection)-Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.

412	Min. four compressed Simultaneous Video streams at min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
413	TEE (Trusted Execution Environment)/FIPS 140-2 for secure boot	Proposed Amendment: Request to remove the requirement for FIPS 140-2/TEE (Trusted Execution Environment) and amend the clause to: "Camera shall be equipped with a Secure Chipset and IEC 62443-4-1, UL Cybersecurity Certification, BIS ER-01:2024/STQC Compliance, Secure Boot, Signed Firmware and Encrypted Firmware. Justifications: IEC 62443-4-1, UL Cybersecurity Certification and BIS ER-01 provide comprehensive cybersecurity assurance covering secure development lifecycle, firmware protection, vulnerability management, authentication and encryption. Acceptance of these standards will ensure robust cybersecurity while enabling wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
414	Fixed Bullet, Flameproof (FLP)	Proposed Amendment: Motorized Varifocal Bullet Camera. Justification: Motorized zoom and focus capability provides greater deployment flexibility and operational advantages.	As per the terms and conditions of the tender.
415	4 MP (2592 x 1520)	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: To Make Uniformity in all the Cameras with 5MP Cameras and The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
416	Super/Wide Dynamic 130 dB	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
417	Colour: ≤ 0.04 lux, B/W: 0.0005 lux	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR. Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	As per the terms and conditions of the tender.
418	SS316L certified Ex d IIC T6 compliant	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
419	PESO Certified for Zone 1 & Zone 2 (Gas Group IIA/IIB/IIC)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.

420	Min. Three compressed Simultaneous Video streams at min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	As per the terms and conditions of the tender.
421	Dual flameproof cable glands (Ex d certified)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
422	Wall/Ceiling/Pole Mount (Explosion-proof Camera)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
423	PESO Certificate, Flameproof Test Report, IP/IK Ratings, OEM Datasheet	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
424	Oil & Gas, Petrochemical, Hazardous Industrial Zones	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
425	Flameproof PTZ Network Camera (Explosion-Proof Certified)	Proposed Amendment: Acceptance of PTZ camera integrated with certified third-party explosion-proof housing. Justification: Many globally deployed explosion-proof surveillances solutions utilize certified camera and housing combinations while maintaining full compliance with hazardous-area installation practices.	As per the terms and conditions of the tender.
426	4 MP (2592 x 1520)	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: To Make Uniformity in all the Cameras with 5MP Cameras and The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
427	Color: 0.005 lx @ F1.6; B/W: 0 lx with IR	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR.	As per the terms and conditions of the tender.

		Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	
428	Super/Wide Dynamic 130 dB	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
429	≥16x	Proposed Amendment: 12x Digital Zoom. Justification: Digital zoom is supplementary to optical zoom and has minimal impact on overall surveillance capability.	As per the terms and conditions of the tender.
430	4.5 mm to 135 mm	Proposed Amendment: Request to amend the specification and accept a lens focal length of 5.2 mm to 156 mm with Motorized Focus Zoom (MFZ) and P-Iris technology. Justifications: The offered lens provides a longer telephoto reach of 156 mm, enabling enhanced long-range surveillance and target identification. The inclusion of MFZ and P-Iris technology further improves image quality, focus accuracy, and overall camera performance, making it equivalent or superior to the specified requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
431	Horizontal: 60°–2.3°, Vertical:35°–1.3°	Proposed Amendment: H: 58.1° - 2.34° V: 40.5° - 1.48° Justification: Marginal deviation without any impact on practical surveillance coverage.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
432	-90° to +90°	Proposed Amendment: Request to amend the Tilt Range requirement and accept a Tilt Range of +15° to -90°. Justification: The offered tilt range adequately supports all practical surveillance and monitoring requirements. The camera provides full downward viewing capability for perimeter security, target tracking, and area monitoring, with no significant impact on operational performance.	As per the terms and conditions of the tender.
433	min 25/30 FPS @ 1080p, Three Simultaneous stream	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	As per the terms and conditions of the tender.
434	Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.
435	Min. Three compressed Simultaneous Video streams at 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	As per the terms and conditions of the tender.

436	PESO Certified (Zone 1 & Zone 2)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
437	IP68	Proposed Amendment: IP66/NEMA 4X/IK10. Justification: Provides robust environmental protection suitable for outdoor industrial deployments.	As per the terms and conditions of the tender.
438	Stainless Steel 316L	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
439	CE, FCC, IECEx, PESO, Environmental: IEC 60068-2-1 (Cold test), IEC 60068-2-2 (Dry Heat Test), IEC 60068-2-30 (Damp Heat Test), QM333:2010 (Corrosion Salt Test), IEC 60068-2-14 (Change in Temperature Test), QM333 (Vibration Test), IEC 61373:2010 (Shock Test)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
440	40x Motorized Zoom Lens	Proposed Amendment: 30x Optical Zoom. Justification: 30x zoom provides substantial monitoring capability and is widely adopted in critical surveillance deployments.	As per the terms and conditions of the tender.
441	Up to 350 meters (30IRE)	Proposed Amendment: 200m. Justification: Provides effective long-distance night surveillance for most operational scenarios.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
442	Colour: 0.011 lx (F1.6, 30IRE), B/W: 0 lx with IR LED	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR. Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	As per the terms and conditions of the tender.
443	Pan: 300°/s, Tilt: 250°/s	Proposed Amendment: Request to amend the Pan/Tilt Speed requirement and accept Pan Speed: Pan: 300°/s, Tilt: 180°/s Justification: The offered camera fully complies with the specified Pan Speed and provides a high Tilt Speed of 180°/s, which is sufficient for rapid target acquisition, tracking, alarm response, and PTZ patrol operations. The variation does not materially affect surveillance performance.	As per the terms and conditions of the tender.
444	Super/Wide Dynamic, up to 140Db	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
445	Min. four compressed Simultaneous Video streams at min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	
446	Up to 2 simultaneous AI apps (e.g., people, vehicle detection)-Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
447	FIPS 140-2/TEE (Trusted Execution Environment)	Proposed Amendment: Request to remove the requirement for FIPS 140-2/TEE (Trusted Execution Environment) and amend the clause to: "Camera shall be equipped with a Secure Chipset and IEC 62443-4-1, UL Cybersecurity Certification, BIS ER-01:2024/STQC Compliance, Secure Boot, Signed Firmware and Encrypted Firmware. Justifications: IEC 62443-4-1, UL Cybersecurity Certification and BIS ER-01 provide comprehensive cybersecurity assurance covering secure development lifecycle, firmware protection, vulnerability management, authentication and encryption. Acceptance of these standards will ensure robust cybersecurity while enabling wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
448	Colour: 0.003 lx (F1.3, 30IRE),B/W: 0 lx with IR LED	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR. Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	As per the terms and conditions of the tender.
449	Horizontal: 117°–37°, Vertical:62°–30°	Proposed Amendment: H: 103.1°(W) – 31.5°(T) V: 54.5°(W) – 17.7°(T) Justification: Marginal deviation without any impact on practical surveillance coverage.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
450	Min. Three compressed Simultaneous Video streams at min 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	As per the terms and conditions of the tender.
451	Up to 2 simultaneous AI apps (e.g., people, vehicle detection)-Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.
452	TEE (Trusted Execution Environment) /FIPS 140-2 for secure boot	Proposed Amendment: Request to remove the requirement for FIPS 140-2/TEE (Trusted Execution Environment) and amend the clause to: "Camera shall be equipped with a Secure Chipset and IEC 62443-4-1, UL Cybersecurity Certification, BIS ER-01:2024/STQC Compliance, Secure Boot, Signed Firmware and Encrypted Firmware. Justifications: IEC 62443-4-1, UL Cybersecurity Certification and BIS ER-01 provide comprehensive cybersecurity assurance covering secure development lifecycle, firmware protection, vulnerability management, authentication and encryption. Acceptance of these standards will ensure robust cybersecurity while enabling wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
453	PoE/ PoE+ (IEEE802.3 af/at), 12V DC	Proposed Amendment: PoE 802.3af (802.3at Type 1) Class 3 /24VAC Justification: The offered power options are widely used and sufficient for reliable camera operation.	As per the terms and conditions of the tender.

454	Flameproof PTZ Network Camera (Explosion-Proof Certified)	Proposed Amendment: Camera with Certified Third-Party FLP Housing. Justification: Industry practice commonly utilizes certified flameproof housings integrated with standard surveillance cameras to achieve hazardous-area compliance.	As per the terms and conditions of the tender.
455	1920 × 1080 (2 Megapixel) min 25/30 FPS	Proposed Amendment: 5MP (2560 × 1920) @ Min. 25/30 FPS and 2MP @ 60 FPS. Justification: To Make Uniformity in all the Cameras with 5MP Cameras and The offered resolution of 2560 × 1920 is an industry-standard 5MP format delivering equivalent image quality and surveillance performance. Additionally, support for 2MP at 60 FPS provides enhanced scene capture for fast-moving objects, offering greater operational benefits.	As per the terms and conditions of the tender.
456	Color: 0.005 lx @ F1.6; B/W: 0 lx with IR	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR. Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	As per the terms and conditions of the tender.
457	Super/Wide Dynamic 130 dB	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
458	≥16x	Proposed Amendment: 12x Digital Zoom. Justification: Digital zoom is supplementary to optical zoom and has minimal impact on overall surveillance capability.	As per the terms and conditions of the tender.
459	4.5 mm to 135 mm	Proposed Amendment: Request to amend the specification and accept a lens focal length of 5.2 mm to 156 mm with Motorized Focus Zoom (MFZ) and P-Iris technology. Justifications: The offered lens provides a longer telephoto reach of 156 mm, enabling enhanced long-range surveillance and target identification. The inclusion of MFZ and P-Iris technology further improves image quality, focus accuracy, and overall camera performance, making it equivalent or superior to the specified requirement.	As per the terms and conditions of the tender.
460	Horizontal: 60°–2.3°, Vertical: 35°–1.3°	Proposed Amendment: H: 58.1° - 2.34° V: 40.5° - 1.48° Justification: Marginal deviation without any impact on practical surveillance coverage.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
461	-90° to +90°	Proposed Amendment: Request to amend the Tilt Range requirement and accept a Tilt Range of +15° to -90°. Justification: The proposed tilt range adequately supports all practical surveillance and monitoring requirements. The camera provides full downward viewing capability for perimeter security, target tracking, and area monitoring, with no significant impact on operational performance.	As per the terms and conditions of the tender.
462	min 25/30 FPS @ 1080p, Three Simultaneous stream	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	As per the terms and conditions of the tender.
463	Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.

464	Min. Three compressed Simultaneous Video streams at 25/30 FPS	Proposed Amendment: Request to amend the requirement to accept three simultaneous independently configurable streams: Stream 1: 1920 × 1080 @ 30 FPS, Stream 2: 1280 × 720 @ 30 FPS, Stream 3: 800 × 448 @ 7 FPS. Justifications" The offered camera provides Full HD recording and monitoring at 30 FPS on the primary stream and 720p at 30 FPS on the secondary stream. The third stream is intended for low-bandwidth remote viewing and event transmission. This architecture effectively supports recording, live monitoring, VMS integration, and bandwidth optimization without impacting surveillance performance.	As per the terms and conditions of the tender.
465	PESO Certified (Zone 1 & Zone 2)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
466	IP68	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
467	Stainless Steel 316L	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
468	CE, FCC, IECEx, PESO, Environmental: IEC 60068-2-1 (Cold test), IEC 60068-2-2 (Dry Heat Test), IEC 60068-2-30 (Damp Heat Test), QM333:2010 (Corrosion Salt Test), IEC 60068-2-14 (Change in Temperature Test), QM333 (Vibration Test), IEC 61373:2010 (Shock Test)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
469	Flameproof Bullet Network Camera (Explosion-Proof Certified)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
470	Color: 0.04 lx @ F1.6; B/W: 0.0005lx	Proposed Amendment: Color 0.1 lux, B/W 0.05 lux, 0 lux with IR. Justification: The integrated IR illumination ensures clear image capture in complete darkness, making the specified low-light variation practically insignificant.	As per the terms and conditions of the tender.

471	Super/Wide Dynamic 130 dB	Proposed Amendment: Wide Dynamic Range (WDR) ≥120 dB. Justification: A WDR of 120 dB provides excellent image clarity in challenging lighting conditions and is widely adopted across critical infrastructure and industrial surveillance applications.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
472	Motorized 5mm- 50mm (Typical range)	Proposed Amendment: Motorized 2.7-13.5 mm Lens. Justification: Provides wide-angle coverage and flexible scene adjustment suitable for surveillance applications.	As per the terms and conditions of the tender.
473	Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	Proposed Amendment: Request to remove the mandatory Face Detection requirement from the camera and consider Face Detection through a Server/VMS-based analytics platform, if required. Justification: Face Detection is application-specific and can be effectively implemented through a centralized Server/VMS-based analytics solution. The offered camera supports all essential security analytics required for surveillance applications while providing greater deployment flexibility and scalability.	As per the terms and conditions of the tender.
474	PESO Certified (Zone 1 & Zone 2)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
475	IP68	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
476	Stainless Steel 316L	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
477	CE, FCC, IECEx, PESO, Environmental: IEC 60068-2-1 (Cold test), IEC 60068-2-2 (Dry Heat Test), IEC 60068-2-30 (Damp Heat Test), QM333:2010 (Corrosion Salt Test), IEC 60068-2-14 (Change in Temperature Test), QM333 (Vibration Test), IEC 61373:2010 (Shock Test)	Proposed Amendment: Request to kindly accept cameras integrated with third-party certified Flameproof (FLP)/Explosion-Proof Housing complying with applicable hazardous area standards and certifications. Justification: Third-party certified flameproof housings are widely used in hazardous industrial environments and provide equivalent safety and compliance. Acceptance of such solutions will enable wider OEM participation while maintaining the required explosion-proof protection and operational reliability.	As per the terms and conditions of the tender.
478	3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs.	We request to modify the clause as under for wider participants 3.1 EXPERIENCE CRITERIA: The Bidder or Consortium Partner must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder or Consortium Partner must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

	94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs. 58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs.63 00,00,000; OR b) Two completed similar works each costing not less than the amount equal to Rs.55,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 45,04,81,500.00. OR II) The Bidder/OEM or consortium partner must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder/OEM or consortium partner must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of "Flame-Proof/Ex-Proof/Outdoor Weatherproof CCTV Cameras/City Surveillance.'	
479	Bidders submitting their bid based on the experience of their Technical Collaborator/ Consortium/Joint Venture/Parent/Subsidiary/Co-subsidiary/Sister Subsidiary/ MOU with another party shall not be considered.	we request to consider permitting bids from duly constituted Consortiums and allow the relevant experience of the Consortium Partner(s) to be considered for meeting the stipulated technical/experience qualification criteria	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
480	> Fire & Smoke Detection (LPU based for 17 locations with n/w issue, other locations central server-based) > PPE Kit Detection (LPU based for 17 Locations with n/w issue, other locations central server based) > Behavioral Analytics 2: Checks if the Security Guard adheres to the vehicle and person check protocol (LPU based for 17 Locations with n/w issue, other locations central server based)	The tender specifies that the above analytics shall be processed through LPU at 17 locations. However, the camera-wise/quantity-wise bifurcation for these analytics has not been provided. Kindly provide the number of cameras at each of the 17 location for which Fire & Smoke Detection, PPE Kit Detection, and Behavioural Analytics 2 are required, along with the respective location-wise bifurcation.	The tender specifies a total of 5,000 floating video analytics licences. These licences are not tied to fixed camera quantities or specific locations. During deployment, the decision on which use case (Fire & Smoke Detection, PPE Kit Detection, Behavioral Analytics, etc.) will run on which cameras and in what quantity shall be finalized as per site requirements. For location-wise camera quantities, please refer Section-IV (BOQ)/SOQ.
481	• Operates seamlessly on both Fixed and PTZ cameras.	The tender specifies that the video analytics solution shall operate seamlessly on both Fixed and PTZ cameras. However, several of the specified analytics require a stable and consistent field of view for reliable detection and tracking. Continuous pan, tilt, or zoom movement of a PTZ camera changes the scene and field of view, which may impact the accuracy and continuity of such analytics. Industry implementations commonly use fixed cameras for continuous scene analytics. In this regard, kindly clarify whether the PTZ camera is intended to remain at a fixed/predefined preset position while analytics are being performed, or whether analytics are expected to operate continuously while the PTZ camera is actively panning, tilting, or zooming. Kindly clarify the intended deployment methodology for PTZ cameras, along with the applicable PTZ operating conditions/presets. Alternatively, we request that the clause be amended to specify that analytics requiring a stable field of view shall be performed using Fixed cameras or PTZ cameras operating at a fixed preset position.	For PTZ cameras, Video Analytics shall operate in preset mode to maintain a stable Field of View; bidders shall configure the PTZ cameras to run VA on defined presets. The specific VA use cases and presets for PTZ cameras shall be finalized during the design/implementation phase in consultation with OIL and the appointed Consultant.

482	18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detect,ion, Line Crossing Loitering, People Counting, face detection, Unattended Object, Detection and Missing Object Detection 18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection 21 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection 14 AI Analytics Support: Up to 3 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection 25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection 17 AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection 18 AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection 25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
483	4 Graphics (GPU): NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC, CUDA cores ≥ 6144	The tender specifies NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC with a minimum of 6,144 CUDA cores. NVIDIA has now deprecated the RTX 4000 SFF Ada for newer NVIDIA AI Enterprise releases, with support removed from the 8.x release line. Further, NVIDIA's current-generation RTX PRO 4000 Blackwell SFF Edition provides 24 GB GDDR7 ECC memory, Blackwell architecture, fifth-generation Tensor Cores, and fourth-generation RT Cores in a compact SFF form factor. Considering the above and to avoid specifying a discontinued/deprecated product, we request the authority to amend the GPU specification to a performance-based specification and permit the latest-generation NVIDIA RTX PRO 4000 Blackwell SFF Edition or equivalent/superior GPU. Alternatively, considering the distributed video analytics requirements, the authority may also consider NVIDIA Jetson-based Edge Processing Units (LPUs) for suitable use cases. Edge-based processing can reduce the requirement for centralized GPU resources and network bandwidth while providing an economical deployment architecture. Kindly amend the clause to allow: “NVIDIA RTX PRO 4000 Blackwell SFF Edition,24 GB GDDR7 with ECC, CUDA cores ≥ 8960” Alternatively, kindly permit NVIDIA Jetson-based LPU/Edge AI devices wherever the specified analytics can be processed at the edge, subject to meeting the required performance and functionality.	The specifications are minimum; bidders may quote the GPU model specified in the RFP or a higher/latest-generation model, provided that the proposed GPU is verified and certified by the VA OEM and all defined use cases and workloads are fully supported without compromise.

484	The video analytics system shall be based on a centralized architecture, integrated with the Video Management System (VMS) at the Command-and-Control Center (CCC). For remote locations where the requisite bandwidth is not available to communicate with the central server, the analytics shall be processed locally, and the alerts shall be transmitted simultaneously to the local viewing/control room and the CCC at Duliajan.	As per our understanding, the proposed architecture is primarily centralized, with analytics processed at the central server located at Duliajan. Further, 17 locations are specifically provisioned with LPUs, where Fire & Smoke Detection, PPE Kit Detection, and Behavioural Analytics 2 are required to be processed locally. However, the above clause states that for remote locations where the requisite bandwidth is not available, analytics shall be processed locally. Since there are more than 50 remote locations in total, while the BOQ provisions only 17 LPUs, there is an ambiguity regarding the intended LPU deployment and analytics processing architecture. Kindly clarify whether only the 17 identified locations are required to be provisioned with LPUs for local analytics processing, or whether additional LPUs are required at other remote locations where adequate bandwidth is not available.	All locations are connected under this tender through RF or OFC, except the 17 identified sites where LPU-based Video Analytics is proposed. Metadata from these LPUs shall be transmitted through SIM-based routers, which are factored in the RFP and BOQ.
485	Retention Period	The tender specifies various video analytics and event-based use cases; however, the retention period for storing video analytics events, alerts, and associated metadata has not been specified. We request the authority to kindly clarify the required retention period for video analytics events/metadata, including any applicable retention requirements for analytics alerts, snapshots/images, and associated event data.	The retention period for video analytics events/alerts and associated metadata shall be the same as that specified for video data in the SOW, i.e., Industrial Area & Operational Area – 90 Days and Area for General Surveillance – 30 Days (refer Clause 3.1 – Sl. No. 5 and Clause 3.3.4 of SOW).
486	Architecture	As per our understanding and as mentioned in the tender the stream from 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites, and 250 cameras assigned to DRIVE will be provided at central location, where any four of the listed analytics needed to be processed. Additionally, 17 location have a dedicated LPU will be processing which will be processing 3 analytics (Fire & Smoke, PPE kit and Security following protocol. Kindly confirm if our understanding is correct.	Yes. The streams from 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites and 250 cameras assigned to DRIVE shall be processed at the central location. At the 17 locations with network issues, the following VA use cases shall be LPU-based: Fire & Smoke Detection, PPE Kit Detection and Behavioural Analytics 2 (checks if the Security Guard adheres to the vehicle and person check protocol). A minimum of 04 VA use cases shall run on the LPUs, of which 03 are defined as above and 01 shall be decided during the design phase.
487	Functional Area: Natural Language Search User Description: real time Metadata extraction	Since VMS uses GUI based search hence this point is not relevant, requesting this point to be removed	As per the terms and conditions of the tender.
488	Functional Area: Metadata generation User Description: Query using simple language	Source of Meta data is either Camera edge analytics or server-based analytics hence, requesting to remove this point	As per the terms and conditions of the tender.
489	The Application shall allow important video sequences to be protected against normal disk clean-up routines.	We can use Bookmark function to save sequence, Videos can be exported to external media. Requesting you to amend the point as below " The Application shall allow important video sequences to be able to bookmark for ease of search and should be able to export to external media for evidential use"	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
490	Media encryption shall support with latest industry standards - AES-128.	shall include AES 256 as well, because AES 256 is latest available encryption technology and better than AES 128	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
491		Kindly add this point for " The proposed Cameras should native integration using dedicated plugin which will ensure deep integration and edge base analytics running on VMS platform seamlessly "	As per the terms and conditions of the tender.
492	1. The Switch OEM must have a minimum global installed base of 10,000 Network Switches as on the original bid closing date. Relevant documents establishing the same must be submitted with the bid.	1. The Switch OEM must have a minimum global installed base of 10,000 Network Switches/ethernet devices/WiFi devices as on the original bid closing date. Relevant documents establishing the same must be submitted with the bid.	As per the terms and conditions of the tender.
493	5Lighting/surge immunity (Surge), IEC 61000-4-6IEC-60068-2-6:2007, IEC-60068-2-27:2008, IEC-60068-4-	5Lighting/surge immunity (Surge), IEC 61000-4-6IEC-60068-2-6:2007, IEC-60068-2-27:2008, IEC-60068-4- OR IEC-60068-4-31:2008 OR IEC 62368-1, IEC 62368-2-6, IEC 62368-2-27/NEMA TS2	As per the terms and conditions of the tender.
494	Redundant dual inputs, Industrial Power adapter 120W should be from same OEM and 48-57 VDC, warranty included with switch.	Redundant dual inputs, Industrial Power adapter 120W should be from OEM prescribed and 48-57 VDC, warranty included with switch.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
495	IEC-60068-2-6: 2007, IEC-60068-2-27:2008, IEC-60068-4-31:2008	IEC-60068-2-6: 2007, IEC-60068-2-27:2008, IEC-60068-4-31:2008 OR IEC 62368-1, IEC 62368-2-6, IEC 62368-2-27 OR NEMA-TS2	As per the terms and conditions of the tender.
496	Common Criteria EAL4+/NDPP, FIPS 140-2	Common Criteria EAL4+/NDPP/ FIPS 140-2/VAPT	As per the terms and conditions of the tender.

497	Must be validated by NSS Labs/ICSA Labs	Must be validated by NSS Labs/ICSA Labs/VAPT Cert in	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
498	Redundant dual inputs, Industrial Power adapter 120W should be from same OEM and 48-57 VDC, warranty included with switch.	Redundant dual inputs, Industrial Power adapter 120W should be from OEM prescribed and 48-57 VDC, warranty included with switch.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
499		IEC-60068-2-6: 2007, IEC-60068-2-27:2008, IEC-60068-4-31:2008 OR IEC 62368-1, IEC 62368-2-6, IEC 62368-2-27 OR NEMA-TS2	As per the terms and conditions of the tender.
500	305 to 460Vac at 100% load	Compliance (YES/NO): Partial Yes Deviation (if any): 310~480 VAC at full load	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
501	THDV <=1.5% for liner load and <=4.5% for non-liner load	Compliance (YES/NO): Partial Yes Deviation (if any): < 2% for liner load	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
502	Min 360V	Compliance (YES/NO): Partial Yes Deviation (if any): 432 VDC~600 VDC	The clause specifies a minimum nominal DC bus voltage of 360 V. A UPS with a nominal DC bus voltage of 360 V or higher (e.g., 408 VDC, or 432–600 VDC) is compliant with the clause. All other tender terms remain unchanged.
503	SINGLE phase 110VAC - 288 VAC	Compliance (YES/NO): Partial Yes Deviation (if any): Based on load level (170 to 288 VAC at full load, < 50 % load upto 120 VAC	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
504	Rated frequency±3Hz. Configurable range: ±0.5Hz ~ ±5Hz	Compliance (YES/NO): Yes Deviation (if any): +/- 5 Hz Mains Sync	As per the terms and conditions of the tender.
505	Inbuilt at o/p side	Compliance (YES/NO): No Deviation (if any): Isolation Transformer Provided at Input Side of the UPS System	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
506	No	Compliance (YES/NO): No Deviation (if any): Noed. UPS have inbuilt static bypass looped with mains	The clause does not require a separate bypass input. A UPS with an inbuilt static bypass fed from the common mains input is compliant.
507	Sealed, lead-acid, Tubular, LI- ION	Compliance (YES/NO): Yes Deviation (if any): 12V Sealed Maintenance Free Lead Acid Batteries offered (VRLA)	As per the terms and conditions of the tender.
508	Synchronous transfer: ≤0ms	Compliance (YES/NO): No Deviation (if any): <3 ms	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
509	Max 256	Compliance (YES/NO): No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
510	Gravity sense	Compliance (YES/NO): No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
511	0°C ~ 50°C (2)	Compliance (YES/NO): Yes Deviation (if any): 0 to 40 Deg C at full load, < 75 % load upto 50 Deg C (Derated on UPS Capacity)	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
512	-40°C ~ +70°C (battery	Compliance (YES/NO): No Deviation (if any): -15 to 50 Deg C	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
513	≤3000m; derating when higher than 3000m	Compliance (YES/NO): No Deviation (if any): upto 1000 meters, > 1000 meters and upto 3000 meters derating applicable	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
514	500 X 525 X 400	Compliance (YES/NO): No Deviation (if any): 260 W x 485 D x 690 H in mm approx	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
515	Site monitor	Compliance (YES/NO): Yes Deviation (if any): for USB/RS 232 connection	As per the terms and conditions of the tender.
516	Inbuilt	Compliance (YES/NO): No Deviation (if any): UPS have only one communication port. We have offered with SNMP Card only	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
517	Inbuilt via multifunction port	Compliance (YES/NO): Yes Deviation (if any): Either Modbus or SNMP will work at a time	Modbus communication through the multifunction port is required; a design in which either Modbus or SNMP operates at a time through the same port is acceptable.
518	IEC/EN62040-1-1	Compliance (YES/NO): Yes Deviation (if any): as per EN 62040-1 for Safety	As per the terms and conditions of the tender.
519	IEC/EN62040-2,	Compliance (YES/NO): Yes Deviation (if any): as per EN IEC 62040-2:2018	As per the terms and conditions of the tender.
520	IEC/EN61000-3-11,	Compliance (YES/NO): Yes Deviation (if any): as per EN IEC 61000-3-11:2019	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

521	IEC/EN61000-3-12,	Compliance (YES/NO): Deviation (if any): as per EN 61000-3-12:2011	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
522	YD/T1095-2008	Compliance (YES/NO): No		Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
523	IEC/EN62040-2, meeting IEC/EN61000-4-5	Compliance (YES/NO): Deviation (if any): as per EN IEC 62040-2:2018; IEC 61000-4-5:2014	Yes	As per the terms and conditions of the tender.
524	As per UL approved	Compliance (YES/NO): No		Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
525	>0.99 at o/p power factor 0.8	Compliance (YES/NO): Deviation (if any): >0.9 at o/p power factor 0.8	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
526	208/220/230/240VAC Settable	Compliance (YES/NO): Deviation (if any): 208V AC derating applicable	Yes	Output power derating at the 208 VAC setting, as per OEM design, is acceptable.
527	AC mode :105% ~110%	Compliance (YES/NO): Deviation (if any): AC mode :105% ~110%: 10 MINS, 110%~130%:1min, >130%:3ses	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
528	0-50deg	Compliance (YES/NO): Deviation (if any): 0 to 40 Deg C at full load, Derating applicable for upto 50 Deg C	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
529	Dry heat steady test for 2hours: 0 - 40 Deg C 40deg- 45deg 80% derating, Humidity 95% RH	Compliance (YES/NO): No		Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
530	0 deg +/- 3 deg	Compliance (YES/NO): No		Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
531	388 X 190X 318.	Compliance (YES/NO): Deviation (if any): 397 D X 145 W X 220 H in mm approx	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
532	Output current	Compliance (YES/NO): Deviation (if any): Load level provided	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
533	Heat sink	Compliance (YES/NO): Deviation (if any): Ambient Temp/Heat Shink Temp - Not Available	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
534	LED indication display	Compliance (YES/NO): Deviation (if any): LCD Display provided for the status/fault information	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
535	Inbuilt and accessible on LCD Display.	Compliance (YES/NO): Deviation (if any): Provided information in LCD Display	Yes	As per the terms and conditions of the tender.
536	Battery Low	Compliance (YES/NO): Deviation (if any): Provided information in LCD Display	Yes	As per the terms and conditions of the tender.
537	Transfer to	Compliance (YES/NO): Deviation (if any): Provided information in LCD Display	Yes	As per the terms and conditions of the tender.
538	LED	Compliance (YES/NO): Deviation (if any): LCD Display provided for the status/fault information	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
539	EN 61000-3-3:2013/A1: 2019	Compliance (YES/NO): Deviation (if any): As per EN 61000-3-3:2013/A2: 2019	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
540	EN 61000-4-2:2009	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-2:2008	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
541	EN 61000-4-3:2006+A1: 2008+A1:2010	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-3:2006	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
542	EN 61000-4-4:2012	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-4:2012	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
543	EN 61000-4-5:2014	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-5:2014	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
544	EN 61000-4- 6:2014	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-6:2013	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
545	EN 61000-4-8: 2010	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-8:2009	No	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
546	EN61000-2-2:2002	Compliance (YES/NO): Deviation (if any): As per IEC 61000-2-2:2002	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
547	EN61000-4-11:2004	Compliance (YES/NO): Deviation (if any): As per IEC 61000-4-11:2020	Yes	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

548	ISO 9001, ISO14001, ISO27001, ISO 45001:2018	Compliance (YES/NO): Partial Yes Deviation (if any): ISO 27001 - Not Available	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
549	Necessary Power Cable for UPS needs to be considered by Contractor	Compliance (YES/NO): Yes Deviation (if any): Input Power Cord 1.5 meters provided by NUMERIC for the UPS. Output connection's under Contractor/Customer scope	As per the terms and conditions of the tender.
550	140V – 270V (customizable: 130V – 280V or 90V – 300V)	Compliance (YES/NO): 140 to 270V	As per the terms and conditions of the tender.
551	Floor or Wall Mounted	Compliance (YES/NO): Floor	As per the terms and conditions of the tender.
552	Event Log — The Event Log shall store up to 2000 in the front display panel	Change to: "Minimum 500 events, or OEM standard event-log capacity of not less than 500 events, with date/time stamp and event description." Justification: (i) Local log depth is a firmware memory allocation, not a performance parameter. It has no bearing on power quality, reliability or backup and is not specified in IEC 62040-3. (ii) "2000 events" is the figure of one OEM's datasheet. The same tender asks for only "Max 256" events for the 6 kVA UPS (Annexure 2.1.31, Sl. 36), which shows the values are copied from datasheets rather than derived from OIL's need. The requirement should specify functional event logging rather than a manufacturer-specific memory capacity. (iii) A UPS in normal service records only a few events a day (mains fail/restore, battery test, bypass transfer); 500 events hold several months of history on the panel. (iv) SOW Clause 3.3.11.2 requires every Online UPS to be monitored by the NMS and integrated with the SLA/EMS tools, so the permanent audit trail is held in the NMS database with unlimited retention. A 2000-event local log adds no operational value and only restricts competition (Para 10(e) of the PPP-MII Order, 2017).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
553	Self-Capacity test — Full load Capacity test of the UPS at site without connecting any external load.	Delete. Replace with: "Full-load test and 120-minute battery backup test shall be carried out at site during commissioning using a resistive load bank arranged by the Contractor, and/or at OEM works (FAT) as per IEC 62040-3, witnessed by OIL." Justification: (i) A "self-load" or regenerative capacity test – in which the inverter output is fed back to the input so that only the losses are drawn from the mains – is a proprietary feature of a few multinational UPS platforms (marketed, for example, as "Easy Capacity Test"). It is not defined in IEC 62040-3 or in any Indian Standard. Specifying it is equivalent to specifying a brand, which Para 10(e) of the PPP-MII Order, 2017, applicable to this tender vide BEC Clause 9.2, terms restrictive and discriminatory. (ii) The regenerative test works only with mains present. It cannot discharge the battery into a real load and therefore cannot verify the 120-minute backup (C-9) or the battery VAH (C-10) – the parameters that decide the "UPS power backup availability" SLA. A load bank is needed at commissioning anyway, so the feature adds cost without removing the load bank. (iii) A load-bank test proves the complete chain – output breakers, cables, voltage regulation under real current and temperature rise – and is the accepted industry method for site acceptance. OIL's objective of proving full capacity at site is fully met.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
554	Output power factor range — 0.6 lagging to unity without any KVA derating	Load power factor range 0.8 lagging to unity without kVA derating; beyond this range, derating as per the OEM's published derating curve. Justification: (i) The loads on this UPS are IT and electronic loads – servers, storage, network switches, workstations and the LED video wall – whose switch-mode power supplies have active PFC and run at 0.95–1.0 power factor. A 0.6 lagging load is typical of motors and other inductive loads, which are not connected to a UPS (HVAC units are fed from the raw/DG supply). (ii) Delivering the full 50 kVA at 0.6 lagging means carrying rated current while delivering only 30 kW. The inverter, output filter and isolation transformer must be oversized to circulate reactive current for a load that does not exist in this project. This adds cost and losses without any benefit, contrary to the principle of GFR 2017 Rule 144(ii) (no superfluous or non-essential features).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

555	Battery backup time/Battery capacity — 120 Min/VAH calculation required	Please define the sizing basis: 120 min at 100% rated load of 50 kW, end-cell voltage 1.75 V/cell, at 27 °C, computed from the battery manufacturer's published constant-power (W/cell) discharge table; and state whether an ageing factor (e.g. 1.25) is to be applied. VAH offered and the calculation to be submitted with the bid. Justification: (i) The backup of a battery bank depends on the load (kW, not kVA), the end-of-discharge voltage, the temperature and any ageing margin. None of these is defined, so bidders can size the same "120 minutes" very differently. (ii) For a 2-hour 50 kW system these assumptions change the installed Ah by 30–50% and the price accordingly, making price bids non-comparable. (iii) An under-sized bank would also put the "UPS power backup availability" SLA (99.5%) at risk. A defined common basis ensures a level playing field and protects OIL.	The battery bank shall be sized for 120 minutes backup at full rated load (50 kW), at an end-cell voltage of 1.75 V/cell and 27°C, based on the battery manufacturer's published constant-power discharge data. The VAH calculation shall be submitted with the bid.
556	Altitude — 1500 m from MSL without derating	"Up to 1000 m (≈ 3,280 ft) above MSL without derating." Justification: (i) The UPS is installed at the CCC, Duliajan, which lies in the Brahmaputra plains at about 121 m above MSL. All OIL operational areas in Upper Assam are also far below 1000 m. (ii) Altitude derating of forced-air-cooled power electronics is needed only above 1000 m, the reference altitude used in the IEC 62040 series and in every UPS datasheet. (iii) Asking for 1500 m without derating forces OEMs to certify or oversize cooling for a condition that will never arise at site – a superfluous requirement (GFR 2017 Rule 144(ii) principle).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
557	No of events stored — Max 256	"Event log: minimum 100 events (FIFO, time-stamped), as per OEM design;" Justification: (i) "Max 256" is literally a ceiling, not a requirement, and appears to be copied from a datasheet. It is also inconsistent with the 2000 events asked for the 50 kVA UPS (Annexure 2.1.30, A-7). (ii) Log depth is a firmware attribute with no bearing on UPS performance. Since every UPS is monitored by the NMS (SOW Clause 3.3.11.2), the permanent event record is kept centrally. A defined minimum avoids arbitrary rejection.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
558	Orientation — Gravity sense	Delete – not applicable to the tower UPS specified at Sl. 4. Justification: (i) "Gravity sense" is an accelerometer-based auto-rotation of the LCD used in rack/tower convertible UPS, so that the display reads correctly whether the unit lies horizontally in a 19-inch rack or stands vertically as a tower. (ii) Sl. 4 specifies "Installation mode: Tower" only, and a unit of about 85 kg (Sl. 43) is not meant for rack mounting. The display orientation is therefore fixed and the feature serves no purpose. (iii) It is a cosmetic feature of specific convertible models and restricts competition without any functional benefit.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
559	Operating temperature — 0°C ~ 50°C (2)	"0 °C to 40°C." Justification: (i) The normal operating ambient for UPS under IEC 62040-3 is 0–40 °C, and OEMs rate their products at 40 °C. The 50 kVA UPS in this very tender is specified at 0–40 °C (Annexure 2.1.30, G-2). 0–45 °C already gives a margin above the standard. (ii) The "(2)" after "50°C" is a footnote marker carried over from the source datasheet; such notes normally state derating above 40 °C – i.e. even the source product is not rated for full load at 50 °C. (iii) The UPS operates with its batteries in the same room. VRLA battery life roughly halves for every 8–10 °C above 25 °C, so the room must in any case be kept well below 45 °C for the batteries to last; a 50 °C UPS rating has no practical value. (iv) The UPS are installed indoors with the 9U rack at each location, and summer maxima in Upper Assam are in the mid-to-high 30s °C.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
560	Storage temperature — -40°C ~ +70°C (battery excluded); -25°C ~ +55°C (battery included)	"Storage temperature: 0 °C to +50 °C without battery; 0 °C to +40 °C with battery (wider range acceptable)." Justification: (i) Storage down to −40 °C is relevant only to arctic or high-altitude transport and storage. Temperatures in Upper Assam do not approach 0 °C, and the UPS will be stored in covered	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		stores. (ii) The two-tier "battery excluded/battery included" format is copied from a specific datasheet. (iii) Lead-acid batteries self-discharge much faster at high temperature and battery manufacturers recommend storage at about 25 °C or below, so a +55 °C "battery included" storage rating is not a meaningful requirement.	
561	Altitude — ≤3000m; derating when higher than 3000m	"Up to 1000 m (≈ 3,280 ft) above MSL without derating." Justification: (i) All 55 locations are in OIL's operational areas in Upper Assam, in the Brahmaputra plains (Duliajan ≈ 121 m above MSL) – far below 1000 m. (ii) 1000 m is the reference altitude of the IEC 62040 series, and standard UPS are rated "≤ 1000 m without derating". Requiring 3000 m without derating demands a design margin that will never be used and excludes standard products (GFR 2017 Rule 144(ii) principle). (iii) This also aligns the 6 kVA with the 2 kVA specification of this tender (Annexure 2.1.32, Sl. 42: "<1000 m").	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
562	W*D*H (mm) — 500 X 525 X 400	Delete. Dimensions as per OEM design, to be declared in the bid. Justification: (i) Dimensions result from each OEM's thermal and mechanical design; they are not a performance requirement. The exact figure of 500 × 525 × 400 mm corresponds to one manufacturer's model. (ii) Together with the exact weight (Sl. 43), it effectively specifies a single model, which Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) If space at the locations is limited, OIL may instead state a maximum footprint, which is generic.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
563	Electromagnetic Compatibility (EMC) — YD/T1095-2008	Delete YD/T1095-2008. Replace with: "EMC compliance to IEC 62040-2:2016, or the latest applicable edition" Justification: (i) YD/T 1095-2008 is a telecommunication-industry standard of China (issued by its Ministry of Industry and Information Technology), titled "Uninterruptible Power Systems for Communications". It is not an EMC standard, has no Indian or IEC status, and was itself superseded in China by YD/T 1095-2018 in July 2018. (ii) Its presence shows the clause was copied from an imported product's datasheet. Mandating it is a foreign certification that is restrictive and discriminatory under Para 10(e) of the PPP-MII Order, 2017, and in effect confines competition to products of one country of origin. (iii) EMC of UPS is fully addressed by IEC 62040-2, which the clause already lists.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
564	Energy star — As per UL approved	Delete. Justification: (i) ENERGY STAR is a voluntary labelling programme of the US Environmental Protection Agency. UPS are certified under it only through EPA-recognised certification bodies for the US market; UL is one such US body. The programme has no legal or regulatory standing in India, where energy labelling is administered by BEE under the Energy Conservation Act, 2001. (ii) "As per UL approved" is not a measurable technical requirement. (iii) As a foreign certification it falls under Para 10(e) of the PPP-MII Order, 2017.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
565	Switching system shall have minimum 65K MAC Addresses and 1K VLANs. — 9AH/12V	Correct the parameter to "Battery rating" and change the value to: "12 V SMF VRLA (IS 15549); Ah rating as per OEM design to meet the backup at Sl. 14." Justification: (i) The parameter text ("Switching system shall have minimum 65K MAC Addresses and 1K VLANs") belongs to a network-switch specification and has been pasted here in error; the clause cannot be evaluated as written. (ii) "9 Ah/12 V" is the internal battery of a particular standard-backup model. The Ah rating must follow from the required backup, not be fixed independently: 4 × 12 V × 9 Ah (432 VAH) cannot give the 30 minutes at full load stated in BOQ Sl. 71 and in the Annexure index. (iii) Fixing Ah, DC bus voltage and number of batteries together (Sl. 10, 11, 13) describes one product. Specifying the backup time instead is generic and serves OIL's purpose.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
566	DC bus voltage — 48vdc,	Delete. Battery/DC bus voltage should be as per OEM design. Justification: (i) The battery bus voltage is an internal topology choice. 2 kVA online UPS are built	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		with 36, 48, 72 or 96 V battery buses, and a higher bus voltage actually reduces battery current, cable size and losses. (ii) What matters to OIL – backup time, battery quality and output performance – is specified elsewhere. Fixing 48 V restricts the offer to one product family (Para 10(e) of the PPP-MII Order, 2017).	
567	Number of Batteries — 4nos,	Delete. Number of batteries as per OEM design, to achieve the backup at Sl. 14; VAH calculation to be submitted. Justification: (i) The number of batteries follows from the DC bus voltage and the backup required; fixing it independently is design-specific (see the queries on Sl. 10 and 11). (ii) Four 12 V blocks is the configuration of a particular model; long-backup 2 kVA models commonly use 6 or 8 blocks. Specifying the backup, with a common sizing basis, ensures equal battery capacity in all offers. (iii) Battery performance should be evaluated on achieved backup time and rated capacity rather than block count alone.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
568	Back up time — 1 hr on IT load (2 pc)	Please align with BOQ Sl. 71 and the Annexure index (both "30 min backup"): "Backup time: 30 minutes at full rated load of 1600 W, end-cell voltage 1.75 V/cell, at 27 °C." If 60 minutes is intended instead, please state the load in watts. Justification: (i) The tender is internally inconsistent: BOQ Sl. 71 and the Annexure index describe the item as "Online UPS 2 KVA with half hrs. backup"/"2KVA Online UPS with 30 mins backup", while Sl. 14 says "1 hr on IT load (2 pc)". (ii) "IT load (2 pc)" is undefined: a PC with monitor may draw anything from about 60 W to over 500 W, so the battery required can differ several-fold between bidders and the price bids will not be comparable. (iii) A backup time at a stated load in watts, with a stated end-cell voltage, is the only objective basis for battery sizing and for verification at acceptance.	As per the terms and conditions of the tender.
569	Protections 31–33 — I/p Over voltage protection/Over temp protection/EMI/RFI — Inbuilt OVCD provided/Thermistor provided for over temp protection/Inbuilt I/P and O/P EMI filter board provided	Specify the protection functions only – input over-voltage protection, over-temperature protection, input and output EMI/RFI filtering – with the implementation (device type, sensor type, separate board or integrated) as per OEM design. Justification: (i) The clauses prescribe particular components ("OVCD", "thermistor", "EMI filter board") rather than functions. Equivalent or better protection is achieved by other means – for example, digital temperature sensors monitored by the DSP, or EMI filters integrated on the power board. (ii) Component-level prescriptions describe one design and give grounds for rejecting equally safe products. EMC performance is in any case verified against IEC 62040-2.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
570	Operating Temperature — 0-50deg	"0 °C to 40 °C at full load; up to 45 °C with derating, as per Sl. 40." Justification: (i) The clause contradicts Sl. 40 of the same specification, which tests the UPS at 0–40 °C at full load and at 40–45 °C with 80% derating. A UPS tested only up to 45 °C with derating cannot be required to operate at 50 °C. (ii) 0–40 °C is the normal operating range for UPS under IEC 62040-3. (iii) 13 of the 16 units are installed in the porta cabins at drilling rigs, which are air-conditioned (Annexure 2.3.14, Sl. 8: panel-mounted air conditioner), so the UPS will not see high ambient temperatures. (iv) VRLA battery life roughly halves for every 8–10 °C above 25 °C, so the operating environment has to be kept cool for the battery in any case.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
571	Dimensions (D X W X H) in MM — 388 X 190X 318. Weight 26kg,	Delete dimensions and weight. As per OEM design, to be declared in the bid. Justification: (i) Dimensions and weight follow from each OEM's design and battery configuration; they are not performance requirements. (ii) The exact figures (388 × 190 × 318 mm, 26 kg) identify a single model, which Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		(iii) They are also inconsistent with the backup requirement: a unit of that size and weight carries only a small internal battery that cannot give 30 minutes at full load (see the query on Sl. 10).	
572	EMC Directives — EN IEC 61000-3-2:2019/A1:2021	Delete. Harmonic emission is covered by IEC 62040-2 Justification: (i) "EN" standards with amendment years are the European harmonised versions cited in a manufacturer's EU Declaration of Conformity for CE marking under the EMC Directive 2014/30/EU; this list is copied from one such declaration. (ii) They have no legal standing in India and can be satisfied only by products certified for the EU market – a foreign certification that Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) The technical intent – limiting harmonic current – is already met by the active-PFC input (Sl. 5, PF > 0.99) and by IEC 62040-2, the product EMC standard for UPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
573	EMC Directives — EN 61000-3-3:2013/A1: 2019	Delete; covered by IEC 62040-2. Justification: EN 61000-3-3 limits voltage fluctuation and flicker caused by equipment up to 16 A per phase. It is invoked through IEC 62040-2 as applicable; citing the EN version separately, with amendment year, is again the EU CE route (see the query on EN 61000-3-2). A double-conversion UPS with active PFC draws a steady, sinusoidal current, so flicker emission is not a practical concern.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
574	EMC Directives — EN 61000-4-6:2014	Delete; covered by IEC 62040-2. Justification: EN 61000-4-6 is a basic test method (immunity to conducted RF disturbances), not a product standard. The applicable immunity tests and levels for UPS are selected by the product standard IEC 62040-2. Citing the basic standard separately in its EN version adds no requirement beyond IEC 62040-2, but makes EU certification a pre-condition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
575	EMC Directives — EN 61000-4-8: 2010	Delete; covered by IEC 62040-2. Justification: EN 61000-4-8 is the basic test method for immunity to power-frequency magnetic fields. As with EN 61000-4-6, the applicable level for UPS is set by IEC 62040-2; citing the EN basic standard separately adds nothing technically and serves only to require EU (CE) documentation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
576	EMC Directives — EN61000-2-2:2002	Delete. Justification: IEC/EN 61000-2-2 is not a product or test standard at all. It defines the compatibility levels – the disturbance levels to be expected – in public low-voltage supply networks, i.e. a characteristic of the supply system. A product cannot be tested or certified "to" IEC 61000-2-2 and no laboratory issues such a report, so the clause cannot be complied with by any bidder.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
577	EMC Directives — EN61000-4-11:2004	Delete; covered by IEC 62040-2 and the performance tests of IEC 62040-3. Justification: (i) EN 61000-4-11 tests immunity to voltage dips and short interruptions. Riding through dips and interruptions is the primary function of an online UPS, and this performance is verified directly under IEC 62040-3; the specification already requires true online double conversion (Sl. 2) and IEC 62040-3 Classification 1 (Sl. 23). (ii) The 2004 edition cited has been superseded (current edition 2020), confirming that the list is copied from an older EU Declaration of Conformity.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

578	Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, ENERGY STAR or other foreign standards or certifications	Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, ENERGY STAR or other foreign standards or certifications, compliance with the equivalent IEC standard or Indian Standard (IS 16242 series, BIS registration), demonstrated through test reports from NABL-accredited laboratories, shall be accepted. Justification: The PPP-MII Order, 2017 is applicable to this tender vide BEC Clause 9.2 ("as amended time to time"). Para 10(e) of the Order (as revised on 19.07.2024) states: "Specifying foreign certifications/ unreasonable technical specifications/ brands/ models in the bid document is restrictive and discriminatory practice against local suppliers", and permits foreign certification only with the written approval of the Secretary of the Department concerned where Indian Standards are not available. Para 10A provides for inquiry where such conditions are included in bid documents. Indian Standards (IS 16242 series) and BIS registration exist for UPS.	Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, Energy Star or other foreign standards/certifications, compliance to the equivalent IEC standard or Indian Standard (IS 16242 series/BIS registration), demonstrated through test reports from a NABL-accredited laboratory, shall be accepted.
579	Parameters that describe a particular OEM's design rather than a functional requirement – dimensions, weight, colour, cable entry, number of batteries, DC bus voltage, event-log depth, component types	Parameters that describe a particular OEM's design rather than a functional requirement – dimensions, weight, colour, cable entry, number of batteries, DC bus voltage, event-log depth, component types – shall be treated as "as per OEM design" and shall not be a ground for technical rejection, provided the functional performance, backup time and safety requirements are met. Justification: Clause 7.5 of the Forwarding Letter and the note under BEC state that no exception/deviation will be accepted after the pre-bid conference and that non-conforming bids will be rejected outright. Several UPS clauses are copied verbatim from specific manufacturers' datasheets – footnote markers "(1)" and "(2)", a Chinese telecom standard, a network-switch parameter under "Battery Parameters". Unless such descriptive values are expressly relaxed now, every bidder other than the source OEM will be non-compliant on some trivial parameter, defeating competitive bidding.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
580	Brightness > 800 Nits	Request to consider brightness > 700 Nits Justification: For indoor control room applications, image uniformity, color accuracy, grayscale performance and operator comfort are more important than peak brightness.800 Nits is specific to one OEM. Request to consider brightness 700 Nits or better for competitive bidding	As per the terms and conditions of the tender.
581	Not mentioned - To Include for Video wall operations	Request to add External Controller - Controller should be Min 32 GB RAM Along with 480 GB SSD Based on 12 Core Intel Xeon with Windows 11 Along with Nvdia Grpahic card of 12GPU With IP Streaming decoding along with H.264, MPEG2/4, MxPEG, MJPEG, V2D, H.263, VNC .Controller should be of same make of Video wall display for better integration Justification: This is required for video wall to run 24x7 operations wherein Video wall display , Controller should be from same make in order to avoid interpretability issues	As per the terms and conditions of the tender.
582	OEM must have service centre in state for minimum 3 years state	Request to consider OEM Service Centre in India along with Engineer being posted in same Justification: This will allow wider participation & competitive bidding to happen	As per the terms and conditions of the tender.
583	OEM should have implemented minimum 200+ Indoor LED Video Wall installations	Request to mention OEM should have implemented minimum 200+ Indoor LED Tiles Justification: This will allow competitive bidding to happen as active LED Experience should be counted for control room rather than commercial experiences	As per the terms and conditions of the tender.
584	CE, FCC, UL & BIS Certification	Request to consider BIS for Video wall display under make in India Justification: Will allow wider participation	As per the terms and conditions of the tender.
585	Power Consumption 350 W/m² or Less	Request authority to amend the specification to 600 W/m² (Maximum Power Consumption) and ≤250 W/m² Typical Power Consumption, or as per OEM standard. Justification: The requirement of 350 W/m² maximum is difficult to achieve while maintaining required brightness levels. Most reputed OEMs specify 550–650 W/m² maximum with substantially lower typical operating consumption.	As per the terms and conditions of the tender.
586	Clause 10.3: "If any of the clauses in the BEC contradict with other clauses of bidding document elsewhere, the clauses in the BEC shall prevail."	Observation: Different sections prescribe overlapping but incomplete precedence rules. The RFP does not provide one complete hierarchy covering corrigenda/addenda, BEC, SCC, GCC, SOW,	As per the terms and conditions of the tender.

	Clause 1.1: "All clauses in the GCC shall apply except as otherwise stated in the SCC and/or BEC-BRC. In case of conflict between Principal text of Agreement and Appendixes, the Principal text will prevail."	technical specifications, BOQ and Price Bid Format, creating interpretation and dispute risk. Clarification Sought: Different sections prescribe different precedence principles. Kindly provide one complete contractual order of precedence among corrigenda/addenda, BEC, SCC, GCC, SOW, technical specifications, BOQ and Price Bid Format, and confirm which provision shall prevail where two documents address the same subject differently.	
587	Clause 1.2.11: "Work shall mean all items to be supplied/done and all work/Service to be performed including extra, additional, altered or substituted works/services." Clause 1.2.14: "Technical specifications include all specifications attached and referred to, also as modified by COMPANY during execution in the best interest of service."	Observation: OIL may require additional or modified work, but the RFP does not state a corresponding mechanism for mutual scope confirmation, price adjustment and time extension. This may create uncompensated scope expansion. Clarification Sought: Kindly confirm that any additional, altered, substituted or modified scope, quantity or specification shall be executed only through a mutually agreed written Change Order providing corresponding price and schedule adjustment. Please also specify the approval and valuation procedure.	Any additional, altered, substituted or modified scope, quantity or specification shall be executed only upon written instruction/approval of OIL and shall be dealt with as per the applicable contract terms and conditions.
588	SCC Clause 14: "Limitation of Liability: 100% of Contract Value." SCC Clause 14.1/Clause (d): "Liability cap shall not apply to: LD, Forfeiture of Performance Security, Replacement of defective equipment, IPR indemnity obligations."	Observation: The exclusions and separate indemnity obligations may allow aggregate recovery above the stated 100% cap. The RFP does not clearly state the maximum total exposure or whether indemnities and third-party claims fall within the cap. Clarification Sought: Kindly confirm the maximum aggregate liability of the Contractor under the contract, whether indemnity and third-party claims are included within the liability cap, and provide an exhaustive list of liabilities excluded from the cap. Please expressly exclude indirect, consequential and punitive damages.	As per the terms and conditions of the tender.
589	SCC Clause 18.12 – Non-compliance clause: "Failure to meet the prescribed SLA requirements for 03 (three) consecutive quarters shall constitute a material breach of the Contract. OIL reserves the right to terminate the Contract, invoke the Performance Security, and recover any additional costs incurred in arranging replacement services, at the risk and cost of the SI."	Observation: Multiple SLA deductions can accumulate without a defined quarterly, annual or contract-level ceiling, creating potentially open-ended O&M deductions and margin erosion. Clarification Sought: Kindly confirm that aggregate SLA deductions shall not exceed 10% of the relevant quarterly O&M charges. Further, SLA deductions shall be the exclusive financial remedy for SLA non-compliance, and no additional recovery, set-off, risk-purchase cost, damages, Performance Security invocation or other monetary claim shall arise from the same underlying SLA breach. Please also confirm that all SLA-related deductions and remedies shall be counted within the aggregate liability cap under SCC Clause 14, and that any SLA deduction exceeding the quarterly invoice value shall stand waived and shall neither be carried forward nor separately recovered from the Contractor.	As per the terms and conditions of the tender.
590	GCC LD provision: "Liquidated Damages: 0.5% per week of delay on undelivered portion. Maximum LD capped at 7.5% of contract value." "After LD cap (7.5%) is exhausted, OIL may terminate at Contractor's risk and cost, or permit continued performance with mutual consent."	Observation: Although LD is capped, risk-and-cost termination may create additional recovery beyond that cap. The RFP does not clearly specify cure notice, decision timeline or whether further LD continues after the cap. Clarification Sought: GCC provides for Liquidated Damages (LD) at 0.5% per week of delay on the undelivered portion, subject to a maximum of 7.5% of the Contract Value. However, Clause 44.0 further permits termination of the Contract at the Contractor's risk and cost upon exhaustion of the LD cap. Kindly confirm that LD shall be the sole remedy for delay up to the maximum cap of 7.5% and shall apply only to the delayed/undelivered portion. Further, please clarify the notice period, cure period and decision timeline available to the Contractor before termination is exercised. Kindly also confirm whether any risk-and-cost recovery, replacement procurement cost and related damages arising from such termination are included within the aggregate Limitation of Liability under the Contract and whether LD shall cease upon reaching the maximum cap of 7.5%.	As per the terms and conditions of the tender.
591	SCC Clause 4 – Performance Security: "i) Performance Security for Phase - I (Supply) & Phase II (I&C): Upon awarding of the contract, the Contractor shall furnish performance security for an amount of 10% of the total cumulative value of Phase - I (Supply) and Phase - II (Installation & Commissioning) of the contract, excl. GST, within 30 days from the date of issuance of the LOA. The Performance Security shall remain valid up to 03 months beyond the expiry of the Warranty period.	Observation: Performance Security invocation may be recovered in addition to other damages and liabilities, which can increase aggregate exposure beyond the stated liability cap. Clarification Sought: Kindly confirm that Performance Security invocation shall not result in double recovery and that the same underlying breach, delay or loss shall not be compensated through both Performance Security invocation and separate damages, LD, indemnity or other recoveries. Further, please clarify whether Performance Security invocation is included within, or excluded from, the Contractor's maximum aggregate liability under the Contract.	As per the terms and conditions of the tender.

	ii) Performance Security for Phase-III (O&M): Upon successful completion of Go Live, the Contractor shall furnish a Performance Security equivalent to 3% of the total value of Phase - III (O&M), within 30 days from the date of successful completion of Go Live." "Note: The Performance Security submitted for the Implementation Phase, upon becoming eligible for release, shall not be released until the Performance Security required for the O&M phase has been duly submitted."		
592	"Total Contract Period shall be 8 years and 02 months: 14 months Implementation followed by Go-Live and 07 years for O&M." "Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account, except as otherwise mentioned in the bid document."	Observation: A seven-year fixed-price O&M obligation exposes the bidder to inflation, wage, support and lifecycle cost increases that are not covered by the limited statutory-variation provision. Clarification Sought: Kindly provide an annual price-adjustment mechanism for Years 2-7 of O&M, linked to an appropriate published index for manpower and service costs. Alternatively, please confirm the cost components for which escalation or extraordinary cost relief will be permitted.	As per the terms and conditions of the tender.
593	SCC Terms of Payment – Compliance towards local content: "i) Contractor shall have to comply with the provision of Public Procurement (Preference to Make in India) Order, 2017 and as amended time to time by the Department for Promotion of Industry and Internal Trade (DPIIT), Government of India. As compliance to the said order, the Contractor had stated minimum local content as _% during the bidding stage, which they must maintain during the execution period. ii) The Contractor shall submit a Local Content Certificate certifying the percentage of local content along with each invoice. iii) Such certificate should be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of other than companies) giving the percentage of local content. iv) The percentage of Local Content may vary with each invoice while contractor will have to maintain the overall percentage of local content for the total work/purchase of the pro-rata local content requirement."	Observation: A material financial consequence is linked to a compliance calculation whose value basis, reporting frequency, evidence and cure process are not fully defined. Clarification Sought: Kindly specify the Local Content calculation formula and cost components, stage and frequency of measurement, acceptable certification and audit evidence, treatment of changes during execution, and the notice and cure process before Performance Security can be invoked.	As per the terms and conditions of the tender.
594	Payment Terms – Note (i): "The total quoted value towards O&M (PART - III 'OPERATION & MAINTENANCE' of the Price Bid Format) shall not be less than the 30% of the Total Contract Value quoted in the Price Bid Format. In the event, the quoted O&M value is lower than the prescribed minimum percentage, the differential amount shall be withheld by OIL through proportionate deductions from the Contractor's invoices, commencing from the first eligible invoice in a staggered manner. The amount so withheld shall be released upon successful completion of the Contract, subject to satisfactory performance and fulfilment of all contractual obligations."	Observation: The RFP does not clearly state whether a bid below the 30% O&M threshold will be rejected, loaded or normalised, or how the threshold applies across O&M years. Clarification Sought: Kindly confirm whether the 30% requirement applies to cumulative O&M value for all seven years and specify the exact evaluation treatment where quoted O&M is below 30% of Total Contract Value. Please confirm whether such a bid will be rejected or commercially normalised.	As stipulated in the RFP, the total quoted value towards O&M under Part-III of the Price Bid Format shall not be less than 30% of the Total Contract Value. In case the quoted O&M value is below the stipulated 30%, the bid shall neither be rejected nor commercially normalised on this account; the differential amount shall be withheld and subsequently released in accordance with the mechanism specified in the RFP.
595	Payment Terms: "1. 50% of the total supply cost attributable to the respective site shall be released upon completion of supply of all items at that site. 2. 25% of the total supply cost attributable to the respective site shall be released upon completion of site-wise Installation & Commissioning (I&C), along with the applicable payment towards site-wise I&C. 3. The remaining 25% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site." Milestone 1 – Mobilization: Payment Milestone: "Nil"; Timeline: "D + 30 Days".	Observation: The bidder must fund mobilisation, engineering and procurement before receiving major milestone payments, creating substantial working-capital exposure. Clarification Sought: Kindly confirm whether a 10% mobilisation advance against an equivalent Bank Guarantee can be provided. Please also permit pro-rata or lot-wise payment for delivered and accepted materials and smaller implementation milestones to reduce prolonged working-capital blockage.	As per the terms and conditions of the tender.

596	Payment Terms – A. Payment towards Supply: "3. The remaining 25% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site." Milestone 5 – Final Acceptance & Project Go-Live: "Remaining 25% of the total supply cost attributable to the respective site"; Timeline: "D + 14 months = D1; D1 = Date of Go-Live."	Observation: The deferred 25% Supply payment operates economically like retention even though supplied equipment may already have been delivered, installed and accepted. Clarification Sought: Kindly confirm whether the 25% Supply amount held until Go-Live is intended as retention. Please permit release upon site-wise installation/acceptance or against an equivalent Bank Guarantee, and confirm that no additional retention will apply.	As per the terms and conditions of the tender.
597	Payment Terms – Note (ii): "The bidder shall raise invoices along with supporting documents to OIL for the completed milestone. OIL shall verify the submitted invoices based on the deliverables, either directly or with the support of the PMC. Upon successful verification and acceptance of the invoice and corresponding deliverables, OIL shall make best efforts to release the payment within 30 days from the date of approval."	Observation: The bidder bears financing cost if certification or payment is delayed, with no stated compensation or security. Clarification Sought: Kindly confirm that undisputed invoices will be paid within 30 days and that delayed amounts will carry interest at an agreed rate. Please specify the Contractor's recourse for payments delayed beyond the contractual period.	As per the terms and conditions of the tender.
598	SCC Clause 6 – Submission of Invoices: "a) Invoices shall reference Contract No., Work Order No. and milestone achieved. b) GST-compliant invoices are mandatory. c) Invoices submitted without proper supporting documents shall not be processed for payment." Payment Terms – Note (ii): "Upon successful verification and acceptance of the invoice and corresponding deliverables, OIL shall make best efforts to release the payment within 30 days from the date of approval."	Observation: An open-ended approval period can postpone the start of the payment clock and create avoidable cash-flow uncertainty. Clarification Sought: Kindly specify timelines for invoice scrutiny, notification of deficiencies, resubmission approval and payment. Please confirm that undisputed portions will be paid even where a minor supporting document remains under review.	As per the terms and conditions of the tender.
599	GCC Clause 35.0 – Insurance: "Contractor shall arrange comprehensive insurance (All-risks with suitable limit as per International Standard) to cover all risks during entire Contract period." Insurance requirements include Contractor's All Risk, Third Party Liability, Workmen's Compensation, Professional Indemnity and Cyber Insurance.	Observation: Undefined policy limits, deductibles, territorial scope and additional-insured requirements prevent reliable pricing and may lead to post-award coverage expansion. Clarification Sought: Kindly provide a consolidated schedule of mandatory policies specifying minimum limits, deductibles, insured parties, territorial scope, retroactive period, validity/renewal requirements and evidence to be submitted. Please confirm that no additional cover beyond this schedule will be required without a Change Order.	As per the terms and conditions of the tender.
600	GCC Clause 35.0 – Insurance: "Cyber Insurance (Rs. 5 Crores)."	Observation: The insured events, deductible, claim basis and relationship with cyber/security-breach penalties are not fully defined, creating premium and overlapping-recovery risk. Clarification Sought: Kindly specify the required cyber policy coverage, deductible, retroactive date, territorial and claim jurisdiction, policy period and acceptable exclusions. Please confirm that insured cyber losses will not be recovered twice through insurance proceeds and contractual penalties.	As per the terms and conditions of the tender.
601	GCC Clause 39.0 – Statutory Variation: "Statutory variation applicable for changes in taxes/duties after bid opening date. Increase during extended period due to Contractor's delay shall be Contractor's account." SCC Clause 7.0: "Reference to GCC Clause 12.0 on Firm Price. No specific price variation formula mentioned for O&M period."	Observation: The clause addresses taxes but not inflation, statutory wage increases or extraordinary input-cost increases over the long contract period. Clarification Sought: Kindly confirm whether statutory wage revisions and other mandatory government-imposed cost increases during O&M will be reimbursed or adjusted. Please also clarify the treatment of extraordinary cost increases outside the Contractor's control.	Any increase in wages, statutory wage revisions, inflation or other input costs during the contract period shall be within the scope and responsibility of the Contractor. No reimbursement, price adjustment or additional payment shall be admissible on account of such increases, including extraordinary cost increases beyond the Contractor's control.
602	GCC Clause 39.7: "Price variation provisions applicable only in case of variation in rate of taxes and duties on supply of services, not applicable on taxes on input goods/services." SCC Clause 20.0: "GST: OIL will reimburse GST at actual against proper invoices. Input tax credit available to OIL."	Observation: It is unclear whether changes in input GST rates that cannot be fully offset through credit must be absorbed by the Contractor during the long contract period. Clarification Sought: Kindly confirm the treatment of GST rate changes after the bid base date, including input taxes for which credit is unavailable or restricted, and specify the documentation and timeline for reimbursement of eligible GST variation.	The provisions of GCC Clause 39.7 and SCC Clause 20.0 shall prevail. GST on the contract supply shall be reimbursed at actuals against valid tax invoices as per the contract. Any variation in taxes/GST pertaining to the Contractor's input goods and services, including cases of restricted or unavailable input tax credit, shall be to the Contractor's account.
603	"Contractor shall prepare Technology Refresh Documents at defined intervals during O&M outlining lifecycle status of deployed hardware."	Observation: A documentation requirement may be interpreted as an obligation to replace or upgrade technology at the Contractor's cost despite fixed pricing.	As per Clause 3.3.12.2 of SOW, the Technology Refresh obligation covers preparation and

	"Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account, except as otherwise mentioned in the bid document."	Clarification Sought: Kindly confirm that Technology Refresh obligations are limited to assessment and documentation. Any implementation, replacement or upgrade not included in the original BOQ should be undertaken only through a mutually agreed Change Order with price and timeline adjustment.	submission of Technology Refresh Documents at defined intervals during the O&M period, including cost estimates, timelines and risk assessments for the proposed refresh activities. Implementation of any recommended replacement/upgrade not included in the original BOQ shall be undertaken only upon approval of OIL, as per the applicable contract terms. However, the bidder shall remain responsible for the End-of-Support/End-of-Life obligations for the supplied equipment as stipulated in Clause 3.4.4 of SOW. Tender clause shall prevail. Prices quoted by the successful bidder must remain firm during its performance of the Contract and is not subject to variation on any account.
604	BEC Clause 3.1 – Similar Work Definition: "CCTV surveillance system integrated with AI/ML based video analytics having minimum 150 cameras in single order." "Work executed for own organization/subsidiary/JV not considered."	Observation: The clause does not clearly state whether 150 cameras must be commissioned and operational, merely supplied, or included in the awarded scope at the qualification cut-off date. Clarification Sought: Kindly confirm whether the minimum 150-camera requirement refers to cameras commissioned and operational, cameras supplied, or cameras included in the contracted scope. Please specify the evidence and cut-off date used to establish compliance.	'Similar Work' successfully executed/completed, i.e., Supply, Installation & Commissioning, supported by documents as per Notes to BEC Clause 3.1.
605	BEC Clause 3.1 – Experience Criteria: "Bidder should have executed similar work (CCTV surveillance with AI/ML, video analytics, min 150 cameras) in last 7 years." "Bid will be rejected if not accompanied with adequate documentary proof in support of work experience as mentioned in BEC Clause 3.1."	Observation: Bidders with substantial executed experience under ongoing contracts may face rejection if only formally completed orders are accepted, despite relevant work already being commissioned. Clarification Sought: Kindly confirm whether ongoing contracts will be accepted where the required similar scope, value and minimum 150 cameras have already been completed and certified by the end user. Please specify the acceptable completion and performance documents.	For ongoing projects where the required quantity/value has already been executed, Purchase Orders/Work Orders, Customer-Certified Progress Certificates, Tax Invoices, Delivery Challans, Material Acceptance Certificates and Customer Confirmation of Executed Quantities shall be accepted as valid proof of execution for qualification evaluation.
606	BEC Clause 3.2: "Bidders submitting bid based on experience of Technical Collaborator/Consortium/JV/Parent/Subsidiary/Co-subsidiary/Sister Subsidiary/MOU with another party shall not be considered."	Observation: The restriction creates ambiguity over whether consortium/JV bidding itself is permitted and whether specialist subcontracting is allowed without using the subcontractor's credentials for PQ. Clarification Sought: Kindly confirm whether consortium/JV bidding is permitted. Separately, please confirm that specialist subcontracting for civil, electrical, networking or other defined scopes is permissible where the bidder independently meets PQ requirements, and specify approval conditions.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
607	ANNEXURE – OEM: "The VMS OEM must have a direct presence in India, (not through any Joint Venture (JV), distributor, reseller or any other third-party arrangement) and must have maintained a registered sales & support office in India for a minimum period of 07 years, reckoned from the original bid closing date." "The VMS OEM must have a dedicated service centre/service support facility in India for a minimum period of 07 years, reckoned from the original bid closing date."	Observation: It is unclear whether one OEM may satisfy more than one technology role and whether equivalent support arrangements will be accepted, potentially constraining solution architecture and competition. Clarification Sought: Kindly confirm whether a single OEM may meet both VA and VMS requirements where all respective criteria are satisfied, and whether authorised support facilities with equivalent SLA capability are acceptable where direct ownership is not expressly essential.	As per the terms and conditions of the tender.
608	ANNEXURE 1.2 – VMS OEM, Sl. No. 5: "To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras or the OEM of the Video Analytics solution proposed under the tender. An undertaking from the OEM conforming the same must be submitted with the bid."	Observation: The independence restriction may exclude integrated platforms despite technical compliance, and its technical/evaluation purpose is not stated. Clarification Sought: Kindly confirm the precise applicability of the restriction preventing the VMS OEM from also being the camera or VA OEM. Please permit an integrated OEM solution where the bidder demonstrates interoperability, open interfaces, cybersecurity compliance and all mandatory performance requirements.	As per the terms and conditions of the tender.
609	BEC Clause 6.0 – PoC Evaluation: "PoC Evaluation: 10 video analytics use cases (out of 15+) to be demonstrated for 40 marks. Each demonstrated use case carries 4 marks."	Observation: The detailed test data, measurement method, environmental conditions, scoring evidence and evaluator protocol are not fully defined, creating subjectivity and disqualification risk. Clarification Sought: Kindly provide the complete PoC test protocol, test scenarios/data, accuracy	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender.

	Video Analytics Features: "Under the Video Analytics Features category (40 marks), the bidder must demonstrate any ten (10) use cases out of the total specified use cases. Each successfully demonstrated use case shall carry four (04) marks."	formula, sample size, environmental conditions, evaluation sheets, pass/fail criteria and method of recording results. Please confirm that identical conditions and datasets will apply to all bidders.	Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
610	BEC Clause 4.0/6.0: "Technical Evaluation through Proof of Concept (PoC). Minimum qualifying score: 70/100."	Observation: A transient equipment, connectivity or configuration issue may result in technical rejection without an opportunity to rectify a non-material failure. Clarification Sought: Kindly specify the number of attempts permitted for each test and allow one re-demonstration for failed or inconclusive tests after rectification, provided the proposed make/model and basic bid solution are not changed.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
611	SOW/Technical requirement: "The infrastructure proposed by the bidder should support 2700 cameras from Day-1 and should be scalable to 4000 cameras." Price/BOQ requirement: "VMS licenses – 2200 cameras."	Observation: The difference between infrastructure sizing and licensed-channel quantity creates ambiguity over Day-1 capacity, future licence cost and responsibility for expansion. Clarification Sought: Kindly reconcile the Day-1 camera quantity, infrastructure design capacity and VMS licensed-channel quantity. Please confirm the exact licences to be supplied at Go-Live and whether licences required for expansion beyond the priced quantity will be procured through a separate Change Order.	The storage, network and other infrastructure (BOM) shall be designed for 2,700 cameras from Day One, with VMS licences for 2,200 cameras, and the solution shall be scalable to support up to 4,000 cameras through future expansion provisions. Bidders shall quote as per the RFP.
612	ANNEXURE 2.1.44 – Wireless CPE: "The CPE shall operate in license-free frequency band 2.4 GHz and/or 5 GHz (approx. 2.4–2.5 GHz and 5.1–5.8 GHz)." "The device shall support Point-to-Point (PtP) and Point-to-Multipoint (PtMP) connectivity."	Observation: Responsibility for WPC/spectrum approvals, fees, documentation and delay relief is not clearly allocated, although approval timing is outside the bidder's direct control. Clarification Sought: Kindly confirm the party responsible for WPC/spectrum permissions, licence fees and supporting documentation. Please confirm automatic time extension without LD for regulatory approval delay not attributable to the Contractor and permit alternate connectivity technology where approval or line-of-sight is infeasible.	The CPE shall operate in the licence-free (ISM) frequency band as specified, and bidders shall comply with this requirement. WPC approvals/registrations, if applicable, shall be the bidder's responsibility.
613	Video Analytics Features: "Crowd Counting – Counts people in camera FOV – Accuracy >95%." "ANPR Detection (LPU based) – Detect and read vehicle number plates – Accuracy >95%." "Fire & Smoke Detection (LPU and server based) – Detect early fire hazards – Accuracy >95%."	Observation: Without a defined formula, sample size, ground-truth method, scene conditions and operational thresholds, PoC and final acceptance may become subjective. Clarification Sought: Kindly provide use-case-wise accuracy definitions, sample size, ground-truth and confidence methodology, permitted false-positive and false-negative thresholds, camera/scene conditions and acceptance test duration for both PoC and production deployment.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
614	"Contractor shall prepare Technology Refresh Documents at defined intervals during O&M outlining lifecycle status of deployed hardware."	Observation: The clause does not clearly distinguish reporting from a mandatory replacement obligation or specify who bears the cost of implementing refresh recommendations. Clarification Sought: Kindly define the content and frequency of Technology Refresh Documents and confirm that hardware/software replacement or upgrade will not be mandatory at the Contractor's cost unless required due to the Contractor's non-compliance with the originally committed lifecycle. Any purchaser-directed refresh should be handled through Change Order.	As per Clause 3.3.12.2 of SOW, the Technology Refresh obligation covers preparation and submission of Technology Refresh Documents at defined intervals during the O&M period, including cost estimates, timelines and risk assessments for the proposed refresh activities. Implementation of any recommended replacement/upgrade not included in the original BOQ shall be undertaken only upon approval of OIL, as per the applicable contract terms. However, the bidder shall remain responsible for the End-of-Support/End-of-Life

			obligations for the supplied equipment as stipulated in Clause 3.4.4 of SOW.
615	SOW – Manufacturer Authorization Form: “All the proposed equipment should not be declared End-of-Support by the OEMs for entire duration of the project and should not be end of production for next one year from the date of bid submission.”	Observation: For an 8-year-plus contract, OEM lifecycle announcements after bid submission may be outside the bidder's control. The clause does not define EOL, acceptable evidence or cost treatment if an OEM changes its roadmap. Clarification Sought: Kindly define End of Life for bid compliance, the required OEM evidence and the applicable reference date. Please confirm that post-bid OEM lifecycle changes outside the Contractor's control will be addressed through an approved equivalent replacement and, where cost or scope increases, through a Change Order.	As per the terms and conditions of the tender.
616	Scope of work Storage - SAN Storage with 3.5 pb.	As per storage industry standard, capacity is measured in Bytes (B) and speed is calculated in bits (b). Hence request to modify the clause as Storage - SAN Storage with 3.5 PB of usable capacity after RAID configuration.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
617	Storage The Contractor shall be responsible for implementing the above requirements, ensuring that Storage is capable of storing feed of 2700 cameras from day 1 and is scalable to store video feed from 4000 cameras at (0.5 TB per camera for 30 days and 1.5 TB per camera for 90 days) giving 3.5PB total storage configured as 75% NL-SAS 25%SSD.	The Contractor shall be responsible for implementing the above requirements, ensuring that Storage is capable of storing feed of 2700 cameras from day 1 and is scalable to store video feed from 4000 cameras at (0.5 TB per camera for 30 days and 1.5 TB per camera for 90 days) giving 3.5PB total storage configured as 75% NL-SAS 25%SSD. Kindly clarify whether the storage capacity requirement of 3.5PB total need to be addressed with 75% on NL-SAS and 25% with SSD.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
618	Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 3. Configured CPU- Min 128 cores required per server by configuring Dual latest Intel Xeon Scalable processor(s)/AMD EPYC Processor(s)	Request to add processor clock speed to the requirement. Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 3. Configured CPU- Min 128 cores required per server by configuring Dual latest Intel Xeon Scalable processor(s)/AMD EPYC Processor(s) with clock speed of 2.2GHz	As per the terms and conditions of the tender.
619	Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 4. Memory configured- 1.5 TB GB DDR5 using minimum 32 GB memory modules or better	There seems to be a typing error. Request to modify the clause as 4. Memory configured- 1.5 TB DDR5 using minimum 32 GB memory modules or better	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
620	Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 7. Disks configured- Min. 2 x 480GB Boot Optimized Storage card in RAID1 for OS and Application and Min. 6x2.4TB 10K SAS drives in RAID 6 for Data	Boot Optimized Storage Card is specific to a particular OEM. Hence request to modify the clause as below. 7. Disks configured- Min. 2 x 480GB in RAID1 for OS and Application and Min. 6x2.4TB 10K SAS drives in RAID 6 for Data	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
621	Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 8. Network Ports- 2x 1G Base T and 2x 10/25G SFP ports with 25 GB SFPs Dual port 32Gbps HBA Card with module	Request to modify the clause as 25Gb SFP instead of 25GB SFP, since speed is always calculated in "b" instead of "B" Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 8. Network Ports- 2x 1G Base T and 2x 10/25G SFP ports with 25 Gb SFPs Dual port 32Gbps HBA Card with module	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
622	Annexure 2.1.12 - Technical Specification and Compliance of Video Analytics Server 3. Configured CPU- Min 64 cores required per server by configuring Dual latest Intel Xeon Scalable processor(s)/AMD EPYC Processor(s)	Request to add processor clock speed to the requirement. Annexure 2.1.12 - Technical Specification and Compliance of Video Analytics Server 3. Configured CPU- Min 64 cores required per server by configuring Dual latest Intel Xeon Scalable processor(s)/AMD EPYC Processor(s) with clock speed of 2.5GHz	As per the terms and conditions of the tender.
623	Annexure 2.1.12 - Technical Specification and Compliance of Video Analytics Server 7. Disks configured- Min. 2 x 480GB Boot Optimized Storage card in RAID1 for OS and Application and Min. 6x2.4TB 10K SAS drives in RAID 6 for Data	Boot Optimized Storage Card is specific to a particular OEM. Hence request to modify the clause as below. 7. Disks configured- Min. 2 x 480GB in RAID1 for OS and Application and Min. 6x2.4TB 10K SAS drives in RAID 6 for Data	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
624	Annexure 2.1.12 - Technical Specification and Compliance of Video Analytics Server 8. Network Ports- 2x 1G Base T and 2x 10/25G SFP ports with 25 GB SFPs Dual port 32Gbps HBA Card with module	Request to modify the clause as 25Gb SFP instead of 25GB SFP, since speed is always calculated in "b" instead of "B" Annexure 2.1.11 - Technical Specification and Compliance of Rack Server 8. Network Ports- 2x 1G Base T and 2x 10/25G SFP ports with 25 Gb SFPs Dual port 32Gbps HBA Card with module	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
625	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 2. Architecture - Offered Unified Storage must have scale-up and scale-out architecture for SAN and NAS protocols asked, it must scale to 8 or more controllers	Technical Specification and Compliance of SAN Storage is mentioned in the heading but specification is mentioned as Unified Storage. Kindly check and modify the heading as Unified Storage if requirement calls for a Unified Storage to be part of the requirement.	As per the terms and conditions of the tender.

	for future expansion. It must support mixing of controllers within same generation and across generation of controller models.	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage. Request to modify the clause as below 2. Architecture - Offered Storage can be of scale-up/scale-out architecture for SAN protocols. It must support mixing of controllers within same generation and across generation of controller models.	
626		Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 3. Capacity & Scalability - Offered Storage must be supplied with 3.5 PB Usable capacity with maximum 24TB NL-SAS HDD after concurrent triple drive failure protection. Offered Storage should be configured with 1 hot spare per 25 drives installed. Offered Storage system shall be configured with minimum 2TB SSD Flash cache.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
627	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 4. Controllers - Offered Storage must support multicontroller scale-out architecture. Writes in the cache must be protected in the event of unplanned power outage by destaging to persistent storage or battery backed cache.	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 4. Controllers - Request to modify the statement as Offered Storage must support scale-up/scale-out architecture. Writes in the cache must be protected in the event of unplanned power outage by destaging to persistent storage or battery backed cache.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
628	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 7. Performance - Offered Storage shall be capable to deliver 2400 MBps of sequential 100% write throughput for a block size of Max 64KB.	Request to modify the throughput speed as 2400 Mbps instead of 2400 MBps as speed is calculated in "b" instead of "B" Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 7. Performance - Offered Storage shall be capable to deliver 2400 Mbps of sequential 100% write throughput for a block size of Max 64KB	As per the terms and conditions of the tender.
629	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 9. Storage Features - Offered Storage must support minimum of 1000 Redirect on write snapshots per volume, Production SAN and NAS Volumes must be protected with point-in-time copies. Administrator must be able to setup a policy to take snapshots every 1 hour and retaining it for one month.	Request to modify the Clause as below Offered Storage must support minimum of 255 Redirect on write snapshots per volume, Production SAN and NAS Volumes must be protected with point-in-time copies. Administrator must be able to setup a policy to take snapshots every 1 hour and retaining it for one month.	As per the terms and conditions of the tender.
630	Annexure 2.1.13 - Technical Specification and Compliance of SAN Storage 9. Storage Features - Offered Storage must support Inline as well as post-process deduplication, compression for both Block and File data. Data reduction must be maintained while Tiering and replicating the data.	Request to modify the clause as below Offered Storage must provide Inline OR Post-Process deduplication, compression for both Block and File data. Data reduction must be maintained while tiering.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
631	The storage system should offer capability to identify and remediate ransomware attacks using autonomous ransomware protection within the controllers. The offered system should support ransomware and insider threat detection to protect data with early detection and actionable intelligence on ransomware and other malware incursions.	Request to modify the clause as below The storage system should offer capability to integrate with tools that identify and remediate ransomware attacks using autonomous ransomware protection. The offered system should support integration with tools that support ransomware and insider threat detection to protect data with early detection and actionable intelligence on ransomware and other malware incursions from day one.	As per the terms and conditions of the tender.
632	General	We understand currently there is no requirement for a Integrated Command and Control Center (ICCC) Application as the same is missing in BOQ and there are no technical specifications. 1. Kindly clarify if there is an existing ICCC application currently running in which all the current scope proposed applications must be integrated? 2. If yes, kindly share the make & model of existing ICCC application 3. We understand the required API/ SDK for integration with existing ICCC will be provided by customer.	There is no requirement for an Integrated Command and Control Center (ICCC) application under the present scope. Further, integration of the proposed applications/solution with any existing ICCC application is also not envisaged under the scope of this tender; accordingly, no ICCC-related API/SDK integration is required. Please refer Clause 3.3.10 of SOW.
633	General	If there is no existing ICCC application and the same must be provided by bidder as part of current scope, kindly add the line item for same in BOQ and provide detailed technical specifications.	There is no requirement for an Integrated Command and Control Center (ICCC) application under the present scope. Further, integration of the proposed applications/solution with any existing ICCC application is also not envisaged under the scope of this tender; accordingly, no ICCC-related API/SDK

			integration is required. Please refer Clause 3.3.10 of SOW.
634	This shall include but not limited to supply of minimum 01 No. IP Microphone at each site for initiating announcements from the designated VMS Workstation or network node in CCTV LAN/WAN. PA System for 100 Locations 18. 30W Horn Speaker- No(s) 100	We understand from the technical specifications, we need to install 1 No. of microphone at each site for initiating announcements. However as per the site wise schedule of items, the Horn Speakers are to be installed only at Duliajan site. 1. Kindly clarify if we need to provide 60 No's of microphones (1 at each site) or we need to provide 100 No's of microphones (1 at each location within Duliajan site). 2. Accordingly kindly mention the quantities of microphones in the BOQ.	As per the terms and conditions of the tender.
635	1. System Capacity- Must support monitoring of minimum 4000 devices concurrently 20. Licensing- Licensing model covering 2700 devices, expandable	In the functional specifications of EMS, it is mentioned that monitoring of 4000 devices must be done concurrently. However, in another clause it is mentioned that licenses must be considered for 2700 devices only. Both these clauses are contradicting. Kindly clarify how may devices must be monitored and considered for licensing.	The EMS/NMS licensing shall be considered for 2,700 devices.
636	Ingress Protection: IP 66 or better	Kindly request to revise the clause as " Ingress Protection: IP 55 or better" for better air circulation inside the Junction Box.	As per the terms and conditions of the tender.
637	Functional Area: a. Behavioural Analytics 1:Detects if the Security Guard is sleeping on duty b. Behavioural Analytics 2: Checks if the Security Guard adheres to the vehicle and person check protocol Use Description: Detects security guard while sleeping/ not adhering check protocols	Kindly clarify the following: 1. The intended detection methodology for "Guard Sleeping". If the security guard is seated and remains inactive with no significant movement in his posture for a predefined duration, should the system detect this condition as "Guard Sleeping" and generate an alert. 2. For “Security Guard adheres to vehicle and person check protocol.” Please specify the exact activities/actions that need to be monitored and detected by the Behaviour Analytics system	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
638	Functional Area: Access Control: Detects if a gate is left open Use Description: Gate left open after a certain threshold	As per our understanding, the requirement “Gate left open after a certain threshold” pertains to the Access Control System & not comes under VA scope. Kindly clarify whether our understanding is correct.	'Gate Left Open' is a VA use case. The system shall detect a gate remaining open beyond a predefined/configurable time threshold and generate an alert accordingly.
639	Functional Area: a. Working at Heights Without Harness: Identify workers at heights without safety harness Use Description: Detects workers at height without safety harness	As per our understanding, the requirement “Detects workers at height without safety harness” refers to safety harness detection through Video Analytics. Kindly confirm whether our understanding is correct.	The proposed Video Analytics solution shall identify a person working at height without the required safety harness/PPE. The trigger event shall be the detection of a person within the designated working-at-height zone without the required safety harness, upon which the system shall generate an alert. The applicable zone, detection parameters and configuration shall be defined/configured based on site conditions and the proposed solution.
640	The OEM must submit a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency.	We kindly request the authority to amend this clause to accept either a valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency, so as to enable wider participation of qualified OEMs. Proposed Amendment: The OEM must submit either a valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency.	As per the terms and conditions of the tender.

641	The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 10 years. Documentary evidence, clearly indicating the requisite experience must be submitted along with the bid.	We kindly request the authority to amend the above clause by reducing the minimum experience requirement from 3 years, in order to facilitate wider participation of qualified and technically competent VMS OEMs. Proposed Amendment: The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 3 years. Documentary evidence, clearly indicating the requisite experience, must be submitted along with the bid."	As per the terms and conditions of the tender.
642	To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras or the OEM of the Video Analytics solution proposed under the tender. An undertaking from the OEM conforming the same must be submitted with the bid.	For future scalability and integration with existing cameras, the Video Analytics (VA) software must be from the same VMS solution provider. Therefore, we request you to amend the clause as mentioned below: "To ensure scalability, seamless integration, and a single point of support, the VMS and VA solutions must be from the same OEM. An undertaking from the OEM confirming the same must be submitted along with the bid."	As per the terms and conditions of the tender.
643	The VMS shall integrate cameras using dedicated driver or using the industry standards ONVIF Profile S, T, M and Profile G. The same must be listed on the ONVIF website. VMS thick client should be listed on Onvif.org website under conformant products and should be updated with versions for at least the preceding 03 years reckoned from the original bid closing date. An undertaking from the OEM conforming the same must be submitted with the bid.	There is no relevance of VMS functionality to the ONVIF membership level or duration. ONVIF membership does not affect the functionality of the VMS software. Therefore, we request you to remove the 3-year restriction on ONVIF membership and amend the clause as mentioned below: "The VMS shall integrate cameras using dedicated drivers or industry-standard ONVIF Profiles S, T, M, and G. The same must be listed on the ONVIF website." The VMS thick client should be listed on the ONVIF website (ONVIF.org) under conformant products. An undertaking from the OEM confirming the same must be submitted along with the bid.	As per the terms and conditions of the tender.
644	iii) FIPS 140-2 compliant mode: The VMS has the ability to operate in a FIPS 140-2 compliant mode.	FIPS 140-2 is a U.S.-based standard for the validation of cryptographic modules. We kindly request the authority to consider STQC certification or other applicable Government of India cybersecurity certification as an equivalent compliance option. Accepting such equivalent Indian certifications will encourage wider participation of indigenous OEMs while ensuring that the required cybersecurity and security standards are adequately addressed. Proposed Amendment: The VMS shall have the ability to operate in Government of India-approved cybersecurity compliance/certification, such as STQC certificate .	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
645	iv) A valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate, issued by an agency empanelled by CERT-In.	We kindly request the authority to amend this clause to accept either a valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency, so as to enable wider participation of qualified OEMs. Proposed Amendment: A valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate, issued by an agency empanelled by CERT-In.	As per the terms and conditions of the tender.
646	• Behavioural Analytics: Guard Sleeping Detection: Identifies if a security guard is asleep while on duty.	Kindly clarify the intended detection methodology for "Guard Sleeping". If the security guard is seated and remains inactive with no significant movement in his posture for a predefined duration, should the system detect this condition as "Guard Sleeping" and generate an alert. Kindly clarify if our understanding is correct.	The detection methodology for 'Guard Sleeping' (posture recognition, inactivity duration and alert conditions) shall be finalized during the design phase in consultation with OIL.
647	• Behavioural Analytics: Protocol Compliance: Checks whether a security guard is following standard protocols for vehicle/person checks.	For "Security Guard adheres to vehicle and person check protocol." Please specify the exact activities/actions that need to be monitored and detected by the Behaviour Analytics system	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be

			capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
648	• Access Control Monitoring: Detects and alerts if a gate or access point is left open unintentionally.	As per our understanding, the requirement “Gate left open after a certain threshold” pertains to the Access Control System & does not come under the scope of VA application. Kindly clarify whether our understanding is correct.	'Gate Left Open' is a VA use case. The system shall detect a gate remaining open beyond a predefined/configurable time threshold and generate an alert accordingly.
649	• Working at Heights Without Harness: Identify workers at heights without safety harness .	As per our understanding, the requirement “Detects workers at height without safety harness” refers to safety harness detection through Video Analytics. Kindly confirm whether our understanding is correct.	The proposed Video Analytics solution shall identify a person working at height without the required safety harness/PPE. The trigger event shall be the detection of a person within the designated working-at-height zone without the required safety harness, upon which the system shall generate an alert. The applicable zone, detection parameters and configuration shall be defined/configured based on site conditions and the proposed solution.
650	• Operates seamlessly on both Fixed and PTZ cameras.	As Video Analytics requires a stable and consistent Field of View (FOV) for reliable detection and alert generation, analytics performance may be affected when a PTZ camera continuously changes its FOV through panning, tilting, or zooming. Therefore , If the PTZ camera FOV is not required to remain fixed during the analytics operation, we kindly request the authority to remove the reference to PTZ cameras from the above clause to ensure technical feasibility and reliable VA performance. Proposed Amendment: The VA system shall operate seamlessly on Fixed Cameras with a stable and fixed Field of View (FOV).	For PTZ cameras, Video Analytics shall operate in preset mode to maintain a stable Field of View; bidders shall configure the PTZ cameras to run VA on defined presets. The specific VA use cases and presets for PTZ cameras shall be finalized during the design/implementation phase in consultation with OIL and the appointed Consultant.
651	Local content minimum 20% and submission of PP-LC documents	Clause 2.0 states: "Whether or not the bidders want to avail PP-LC benefit against this tender, it is mandatory for them to meet the following at the bidding stage". Please confirm that the 20% local content is a mandatory eligibility threshold, while PP-LC purchase preference is optional. Further, the clause permits invocation of "the Performance Securities submitted by the bidding and supporting companies" if local content is not maintained. Please clarify the basis and extent of invocation, and confirm that invocation shall be proportionate to the shortfall and only after notice and an opportunity to remedy.	As per the terms and conditions of the tender.
652	Definition of "Similar Work" vs O&M requirement in Criterion III.	Similar Work' is defined as Supply, Installation & Commissioning only, whereas Criterion III additionally requires at least 01 year of O&M under a single contract. Please clarify whether the values/quantities under Criteria I and II are to be met by SITC value alone, and confirm that O&M experience is evaluated solely under Criterion III.	As per the terms and conditions of the tender.
653	Submission of Key Personnel CVs with bid	Given the time between bid submission and award, please confirm that the Project Manager, Solution Architect and Network Engineer named in the bid may be replaced, prior to award/during mobilisation, with personnel of equivalent or higher qualification and experience, subject to OIL's approval, without any adverse consequence.	As per the terms and conditions of the tender.
654	Compliance with MeitY Security ERs and STQC Certification during mobilization.	The STQC/MeitY Security Test Report depends on third-party testing timelines outside the bidder's control. Please amend to permit submission of proof of application for certification during the mobilisation period as interim compliance, with the certificate to be submitted on issue, and confirm that delay by the testing agency shall not be treated as a default.	As per the terms and conditions of the tender.
655	150% Performance Security and Supporting Company Personnel	Note (b) requires the bidding company to furnish Performance Security of 150% where the supporting company has no Permanent Establishment in India. Note (e) requires the identified key personnel to be from the Supporting Company for the entire duration of the contract. Please consider reducing the additional Performance Security under Note (b), and permitting key personnel under Note (e) to be deployed by the bidder, with the Supporting Company's technical support.	As per the terms and conditions of the tender.

ANNEXURE-I

656	Mandatory site visit and Proof of Concept (PoC).	(1) The site visit is mandatory but no mechanism is specified to evidence it. Please confirm that OIL will issue a site visit certificate, which will be accepted as proof of compliance. (2) Please clarify whether the PoC demonstration may be limited to bidders otherwise found techno-commercially compliant, to reduce cost to bidders.	Bidders shall coordinate with OIL for the site visit by submitting their request to the designated e-mail IDs provided in the RFP, i.e., upasana_malakar@oilindia.in and contracts@oilindia.in. The site visit schedule and other related coordination shall be undertaken accordingly. The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
657	Form of Performance Security (Foreign Banks)	Clause 10.1(c) requires Bank Guarantees from foreign non-scheduled banks to be counter-guaranteed by an Indian Scheduled Bank, and Clause 10.4 requires foreign contractors to use banks of Indian origin situated in their country. Please consider accepting Bank Guarantees directly from international banks meeting a specified minimum credit rating.	As per the terms and conditions of the tender.
658	Extension of Performance Security	The clause requires the Bank Guarantee to be extended in the event of extension of the contract period but is silent on cost where the extension is not attributable to the Contractor. Please add a proviso that, where the extension is for reasons not attributable to the Contractor, the bank charges for extending the Bank Guarantee shall be reimbursed by OIL.	As per the terms and conditions of the tender.
659	PBG Invocation for 'Un-satisfactory Performance'	The clause permits encashment of the Performance Security for "un-satisfactory performance" without proof of loss and without notice. Please amend so that the Performance Security may be invoked only for material breach of contract, after a 30-day written notice to cure which the Contractor fails to remedy.	As per the terms and conditions of the tender.
660	Banning Policy for Non-Compliance	Failure to furnish the Performance Security results in annulment of the award and action under OIL's Banning Policy. Please amend so that banning applies only in cases of wilful default, and not where the delay arises from banking/procedural reasons beyond the Contractor's control.	As per the terms and conditions of the tender.
661	Customs Duty – Essentiality Certificate	Please clarify whether OIL will issue Essentiality Certificates or other documents required to enable the Contractor to avail concessional customs duty on imported items.	OIL shall issue the requisite undertaking/certificate for availing concessional customs duty only for eligible items covered under List-16 of Customs Notification No. 45/2025-Customs dated 24.10.2025, or any other items subsequently notified as eligible for duty concession/exemption.
662	Exceptions to Liability Cap (Defective Equipment)	Both GCC 16(b) and SCC 14 exclude the cost of repairing or replacing defective equipment from the 100% liability cap, which results in uncapped exposure for the Contractor. Please amend so that the cost of repairing/replacing defective equipment is subject to, and included within, the overall 100% aggregate liability cap.	As per the terms and conditions of the tender.
663	Indemnity for Claims Exceeding Liability Cap	GCC 16(c) provides that OIL will indemnify the Contractor for claims exceeding the liability cap. SCC 14 states that "no indemnity shall be payable by the OIL in respect of claims exceeding such liability cap". Please delete the last bullet of SCC 14 so that GCC 16(c) continues to apply.	As per the terms and conditions of the tender.
664	Indemnity Application (Gross Negligence Carve-out)	The indemnities apply regardless of the 'sole or concurrent' negligence of either party, with no exception for gross negligence or wilful misconduct. Please amend to provide that no party shall be indemnified against the consequences of its own gross negligence or wilful misconduct.	As per the terms and conditions of the tender.
665	Cumulative Liquidated Damages	GCC 30(b) provides for LD of up to 7.5% for delay in mobilisation, and SCC 13 provides for a separate LD of up to 7.5% of Phase I & II for delay in milestones/Go-Live. These may be levied cumulatively for a cascading delay. Please provide that the aggregate LD under the Contract, covering both mobilisation delay (GCC 30) and execution delay (SCC 13), shall not exceed 7.5% of the total value of Phase I (Supply) and Phase II (I&C).	Please refer Clause No. 13 of Special Conditions of Contract (SCC). The LD clause of SCC Clause No. 13 shall prevail over GCC.

ANNEXURE-I

666	GST on Liquidated Damages	The clause provides that GST on LD shall be borne by the Contractor and recovered with the LD. In view of CBIC Circular No. 178/10/2022-GST dated 03.08.2022, which clarifies that liquidated damages are generally not consideration for a supply, please confirm that GST will not be recovered on LD.	No GST will be levied on LD in consideration of CBIC Circular No. 178/10/2022-GST dated 03.08.2022.
667	Refund of Mobilization LD	SCC 13 provides that milestone LD shall be refunded/adjusted if Go-Live is achieved on time. Please confirm that LD recovered for delay in mobilisation under GCC 30(b) will likewise be refunded/adjusted if the final Go-Live is achieved within the stipulated timeline.	As per the terms and conditions of the tender.
668	Cross-Contract Set-Off	The clause permits OIL to set off amounts due to the Contractor under this Contract against claims arising under any other contract. Please limit set-off to undisputed amounts arising under this Contract.	As per the terms and conditions of the tender.
669	Conflicting Exclusive Jurisdiction	Clause 34 provides for the exclusive jurisdiction of courts at Dibrugarh/Gauhati High Court, whereas Clause 42.2(3) provides that claims below Rs. 25 lakh and above Rs. 5 crore are subject to the exclusive jurisdiction of courts at New Delhi, and Clause 42.2(11) fixes the seat of arbitration at New Delhi. Please reconcile these clauses to provide a single exclusive jurisdiction for all matters arising out of the Contract.	As per the terms and conditions of the tender.
670	Arbitration Carve-Out for Claims above Rs. 5 Crore	The clause excludes claims above Rs. 5 crore from arbitration and refers them to courts at New Delhi. As high-value disputes would then fall outside arbitration, please amend to provide that all claims above Rs. 25 lakh shall be referred to arbitration.	As per the terms and conditions of the tender.
671	Restriction on Amending Arbitration Claims	The clause requires the notice invoking arbitration to specify all points of dispute and amounts claimed "and not thereafter". Please amend to permit parties to amend or supplement their claims during the pleadings, as provided under Section 23(3) of the Arbitration and Conciliation Act, 1996.	As per the terms and conditions of the tender.
672	Exclusion of Banning from Arbitration & Automatic Holiday	Clause 44.5 permits termination for 'unsatisfactory performance' and provides that the Contractor shall be put on holiday under the Banning Policy, while Clause 42.5(a) excludes banning decisions from conciliation/arbitration. Please (a) provide objective grounds for termination under Clause 44.5 with a 30-day cure period; and (b) confirm that any holiday/banning action will be taken only after a show-cause notice and an opportunity of hearing.	As per the terms and conditions of the tender.
673	Termination for Equipment Breakdown (15 Days)	The clause permits termination without notice if equipment breakdown results in non-performance for 15 successive days. Please extend this period to 45 days and provide for prior written notice.	As per the terms and conditions of the tender.
674	Termination for Convenience – Payment on Termination	The clause permits OIL to terminate at any time on 30 days' notice, with payment limited to services rendered up to the date of termination. Please amend to provide that, on such termination, OIL shall also pay for equipment delivered/installed but not yet paid for, unamortised costs and reasonable demobilisation costs.	As per the terms and conditions of the tender.
675	Approval Mechanism for Exit Plan	The clause requires the Exit Management Plan to be submitted within 120 days of signing the Contract but does not specify a timeline or mechanism for OIL's review and approval. Please provide that OIL shall approve or comment on the plan within 30 days of submission.	As per the terms and conditions of the tender.
676	3-Month Post-Termination Support	The clause requires 03 months of support to the replacement service provider after termination, without specifying payment. Please confirm that such post-termination support shall be paid at the prevailing O&M rates.	As per the terms and conditions of the tender.
677	Handover of Source Code and IP Rights	The clause requires handover of source codes and provides that source code for modifications shall be the property of the purchaser. Please confirm that the handover is limited to source code of customisations developed specifically for this project, and excludes the Contractor's pre-existing IP and OEM proprietary software, which shall be licensed to OIL.	As per the terms and conditions of the tender.
678	Acceptance Certificate from Replacement Provider	The clause provides that the certificate of acceptance on completion of handover shall be issued by the replacement service provider. Please amend so that the certificate of acceptance is issued by OIL.	As per the terms and conditions of the tender.
679	Continued Delivery of Services During Exit	The clause requires the Contractor to use best efforts to deliver services during the exit management period in all cases of termination. Please confirm that this obligation, where termination is due to OIL's default, shall be subject to payment for services rendered during the exit period.	As per the terms and conditions of the tender.
680	The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies.	Change requested as below: The Bidder must have experience in 'supply, installation & commissioning of outdoor CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies.	As per the terms and conditions of the tender.

	Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Outdoor CCTV Cameras.'	
681	SUBCONTRACTING/ASSIGNMENT: CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(ies). Except for the main services under this contract, CONTRACTOR may sub-contract the petty support services subject to COMPANY's prior written approval. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract. GCC Clause No. 39.0 Subcontracting/Assignment: Allowed for only civil and electrical work with prior approvals from OIL.	Subcontracting/deployment of specialized agencies/OEM-authorized channel partners for specialized scope of work (e.g., IT hardware & network deployment, fiber cabling, AI/VA integration, CCC setup, and field installation/O&M support) shall be permitted , provided the Prime Contractor (CPSU/SI) retains overall single-point responsibility and SLA compliance. Justification for Amendment Proposed/Clarification: Public Sector Undertaking/Government Undertaking/Government Company/Government-controlled entity shall be permitted to sublet, sub-contract, outsource, or sub-tender any part of the work or services under this Project to its empanelled agencies, system integrators, service providers, vendors, or other competent agencies, as may be required for effective execution of the Project, and hold compliance with applicable laws, rules, procurement guidelines, and internal procedures of the PSU. However, such subletting, sub-contracting, outsourcing, or sub-tendering shall not absolve the PSU from any of its obligations, responsibilities, liabilities, warranties, service-level commitments, statutory compliances, or penalties under this RFP/Agreement. The PSU shall remain the principal contracting party and shall be fully and solely responsible for the performance, acts, omissions, defaults, quality of work,conduct, and deliverables of such sub-contractor/sub-agency/vendor as if such acts, omissions, defaults, or deliverables were its own. The Tendering Authority shall have no direct contractual relationship or liability towards any such sub-contractor/sub-agency/implementation partner/vendor engaged by the PSU.	As per the terms and conditions of the tender.
682	Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras.	Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof/Ex-Proof/ Outdoor Weatherproof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. Justification for Amendment Proposed/Clarification: Proposed amendment is with an objective to promote wider participation amongst capable prospective bidders who hold experience in executing large scale CCTV Surveillance project. Change requested will enable PSUs like RailTel to participate and compete in the bidding process.	As per the terms and conditions of the tender.
683	The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof/outdoor weatherproof CCTV Cameras, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof/ Outdoor Weatherproof CCTV Cameras.' Justification for Amendment Proposed/Clarification: Proposed amendment is with an objective to promote wider participation amongst capable prospective bidders who hold experience in executing large scale CCTV Surveillance project. Change requested will enable PSUs like RailTel to participate and compete in the bidding process.	As per the terms and conditions of the tender.

684		Given the multi-disciplinary nature of the work (flame-proof CCTV, networking, command centre and AI video analytics), we request that a Consortium/JV between a System Integrator and a specialised AI Video Analytics OEM be permitted, with the experience of each member counted for the respective component (e.g., Criterion 3.1 II(c) – Video Analytics for at least 250 cameras – to be met by the VA OEM member).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
685		Kindly confirm that this restriction applies only to the Bidder, and that the experience of the OEMs (VA/VMS/Camera) supplied through System Integrators will be accepted for the OEM eligibility criteria in Annexure-OEM.	As per the terms and conditions of the tender.
686		Kindly define 'Similar Work' precisely. We request that projects involving supply, installation and O&M of AI-based video analytics/ANPR/industrial safety analytics integrated with CCTV be included within the definition.	As per the terms and conditions of the tender.
687		Kindly confirm whether experience with Private Limited companies (large corporates/listed-company subsidiaries) will be accepted in addition to Central/State Government, PSUs, Nationalised Banks and Public Limited Companies.	As per the terms and conditions of the tender.
688		Kindly confirm whether, in case of a Consortium/JV (if permitted), the turnover of the lead member alone or the combined turnover of members will be considered.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
689	NA	Kindly confirm the reason MSE and Startup benefits are not applicable. We request that Bid Security exemption/relaxation be extended to Udyam-registered MSEs and DPIIT-recognised Startups in line with the Public Procurement Policy for MSEs, 2012 and applicable GoI guidelines, or that a Bid Security Declaration be accepted in lieu of EMD.	No. change. Please be guided as per the tender terms. MSE benefits are not applicable, as the subject tender is a works contract. Further, benefits applicable to Start-ups are not admissible considering the complex nature of the tender.
690		CMMI appraisal is not commonly held by specialised Indian AI video analytics product companies and startups. We request that this be relaxed for DPIIT-recognised/Indian (Class-I) VA OEMs, or that ISO 9001 plus ISO 27001 be accepted as equivalent, or that CMMI Level 3 be permitted to be obtained within 12 months of award.	As per the terms and conditions of the tender.
691		ISO 14001 (environment) and ISO 45001 (occupational health and safety) are manufacturing-oriented and not directly relevant to a software VA OEM, and ISO 27017 (cloud security) is not relevant to an on-premises deployment. We request that ISO 9001:2015 and ISO 27001:2022 be treated as sufficient for the VA OEM, with the other certifications made desirable.	As per the terms and conditions of the tender.
692		Kindly confirm: (a) the minimum validity required on the bid closing date; (b) whether the VAPT must cover the specific product version proposed; and (c) whether a VAPT report obtained after award but before Go-Live will be acceptable.	As per the terms and conditions of the tender.
693		Annexure 1.1 lists only certifications for the VA OEM. Kindly confirm that there is no separate minimum deployment/camera-count/years-of-operation requirement for the VA OEM.	As per the terms and conditions of the tender.
694		Kindly confirm that: (a) a VA OEM whose platform includes basic VMS features may still be offered as the VA OEM with a separate third-party VMS; and (b) OIL will require the VMS OEM to provide the SDK/API/ONVIF event integration needed for the VA solution at no additional cost.	As per the terms and conditions of the tender.
695		Kindly confirm whether the local content of an Indian-developed AI video analytics software will be considered at 100% for the VA component, and whether a separate local content certificate is required from each OEM.	As per the terms and conditions of the tender.
696		Kindly specify: (a) the test data/live camera setup to be used; (b) test conditions (day/night/rain/fog, distance, angle); (c) the method of measuring accuracy (sample size, precision/recall); and (d) whether pre-recorded video from OIL sites will be provided for training/calibration before the PoC.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.

697		Kindly confirm the PoC date, venue (Duliajan or bidder's premises), duration, number of cameras to be demonstrated, whether cameras/compute/wireless radio are to be brought by the bidder, and whether the VA OEM may present jointly with the Bidder.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
698		Kindly define 'LPU' (Local Processing Unit) and its minimum specifications. Please confirm whether edge AI devices (GPU-based) at site are acceptable as LPUs, and the split of use cases between edge (LPU) and central server processing.	As per the terms and conditions of the tender.
699		Kindly share the site-wise list (fields, installations, well sites, gates) with the number of outdoor, PTZ and flame-proof cameras at each site, and the number of cameras on which each analytics use case is to be enabled.	As per the terms and conditions of the tender.
700		Kindly specify the hazardous-area zone classification (Zone 1/Zone 2, gas group, temperature class) and certification required (IECEx/ATEX/PESO/CCOE), and which analytics use cases (e.g., fire and smoke, PPE, intrusion) must run on the flame-proof camera feeds.	As per the terms and conditions of the tender.
701		Kindly confirm the connectivity available at remote sites (OIL MPLS/fibre/radio), available bandwidth per site, and whether the bidder is to provide the wireless backhaul. Please also confirm whether edge analytics with only alert/metadata transmission to the Command Centre is acceptable where bandwidth is limited.	Please refer Clause 3.3.6 (Network Connectivity) of SOW. Bidders are required to carry out a site survey to assess the bandwidth available at the sites. All locations are connected under this tender through RF or OFC, except the 17 identified sites where LPU-based Video Analytics is proposed. Metadata from these LPUs shall be transmitted through SIM-based routers, which are factored in the RFP and BOQ.
702		Kindly confirm the location(s) of the Command & Control Centre and the Data Centre/DR site, whether space, power, cooling and civil works are provided by OIL, and the video/event data retention period required.	Please refer Clause 3.3.2 (Command and Control Center), Clause 3.3.3 (Data Center) and Clause 3.3.4 (Storage) of SOW. No DR site is envisaged. The details regarding the existing Data Center infrastructure, including available rack space, power capacity, UPS backup, cooling capacity, and earthing arrangements, shall be provided during the design phase. Any augmentation or upgrade of the existing DC power, UPS, or cooling infrastructure, if required, shall not be in the bidder's scope.
703		Kindly specify existing systems (existing CCTV/VMS, fire alarm, access control, SCADA, boom barriers, SAP/ERP) to be integrated, along with available protocols/APIs, and whether OIL will facilitate OEM support for these integrations.	The details of the systems to be integrated, API availability and handling of future integrations shall be shared and finalized during the design phase in consultation with OIL. Bidders are also advised to carry out a site survey and refer Clause 3.3.12.2 of SOW.
704		Kindly define the required speed range and permissible measurement tolerance, the types of garbage/waste to be detected, and the attributes to be extracted. Please also confirm whether facial recognition is in scope and, if so, the watch-list size and DPDP Act compliance responsibility.	The detailed parameters for these use cases shall be decided during the design phase in consultation with OIL.
705		Kindly confirm whether OIL will share site-specific image/video data for model fine-tuning during implementation, and the ownership/licensing terms for models trained on OIL data.	Yes, OIL will share site-specific image/video data for model fine-tuning during implementation.
706		Kindly confirm that the total SLA penalty in any quarter will be capped (we request a cap of 10% of the quarterly O&M charges), and the exclusions for downtime caused by OIL-provided power/network/civil infrastructure.	As per the terms and conditions of the tender.

ANNEXURE-I

707		Kindly confirm whether VA licences are to be perpetual or subscription-based for the 7-year O&M period, and whether software upgrades/new use cases during O&M are to be included in the quoted price.	The VA licences shall be perpetual, in floating mode.
708		Kindly confirm whether any price-variation/escalation clause applies to the 7-year O&M charges (e.g., linked to WPI/CPI).	As per the terms and conditions of the tender.
709	NA	Kindly confirm the date, time and mode of the pre-bid conference, and whether online participation will be permitted for bidders and their OEMs.	The pre-bid conference was held on 08.10.2026 at Duliajan.
710	NA	In view of the size and complexity of the tender (623 pages, PoC and OEM tie-ups), we request an extension of the bid closing date by at least 3 weeks after the issue of replies to pre-bid queries.	As per Clause (xx) of the Forwarding Letter. Any extension of the bid closing date, if decided by OIL, shall be notified separately.
711	CCTV OEM PQC: OEM must have supplied a minimum of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date.	The total number of cameras covered under this RFP is 1,930. However, the eligibility criteria require proof of supply for a quantity exceeding five times the total requirement under the current RFP. Typically, in similar tenders/RFPs, proof of supply requirements is limited to a reasonable percentage of the tendered quantity, such as 60% to 80% of the total requirement. The present condition appears to be highly restrictive and may limit fair competition among capable bidders. We therefore request the authority to revise this clause and cap the proof of supply requirement to a maximum of 80% of the total camera quantity specified in the RFP, i.e., 1,544 cameras, thereby ensuring broader participation while maintaining the intent of assessing bidder capability. Moreover, it is quite concerning to see that CMMI requirement has not been specified for the Video Management System for which it is more pertinent and we request you to add the same.	As per the terms and conditions of the tender.
712	CCTV OEM PQC: The OEMs must have its own company or its own R&D Centre as per CMMI quality standards in India. The proposed Camera/NVR Firmware etc. should be developed as per CMMI guidance & manuals.	The RFP stipulates submission of a CMMI certification; however, the required CMMI maturity level has not been specified. We request the authority to kindly clarify the minimum CMMI maturity level expected for compliance under this tender. CMMI is primarily a process maturity and quality framework applicable to software development, services, and organizational processes. Since the scope of this RFP is predominantly related to CCTV hardware, associated devices, and firmware, the relevance of CMMI certification in assessing the capability of the OEM may be limited. We therefore request the authority to kindly review the inclusion of this criterion and consider either removing the requirement.	As per the terms and conditions of the tender.
713	SL #-14 Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	1. The specification refers to four video streams; however, the resolution of each stream has not been specified. Without clearly defining the stream resolutions, the requirement remains ambiguous and may lead to varying interpretations by bidders. We request the authority to kindly clarify the resolution requirements for each of the four streams. 2. Additionally, kindly confirm whether all four streams are required to support encryption for enhanced data security and cyber-security compliance, or whether encryption is required only for specific streams. This clarification will help bidders propose solutions that fully meet the intended technical requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
714	SL #-18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	The AI analytics supported by the camera are expected to operate in conjunction with the Video Management Software (VMS) platform deployed under the project. The successful realization of the specified AI features is dependent upon proven interoperability and seamless integration between the camera and the proposed VMS application. In the absence of validated compatibility, there is a risk that certain AI functionalities may not perform as intended or may not be fully available within the VMS environment. We therefore request the authority to mandate submission of a compatibility declaration and/or past performance evidence demonstrating successful integration of the quoted camera model with the proposed Video Management System application. This will ensure that the desired AI-based functionalities are practically achievable and fully operational in the proposed solution.	As per the terms and conditions of the tender.

715	SL#-24: Security Features - FIPS 140-2/TEE (Trusted Execution Environment)	We would like to bring to your notice that FIPS 140-2 and Trusted Execution Environment (TEE) are distinct security requirements and should not be considered equivalent. FIPS 140-2 is a recognized security standard that validates the cryptographic modules implemented within the chipset and related hardware components through independent testing and certification. In contrast, TEE is an architectural feature that provides an isolated execution environment and, by itself, does not constitute an equivalent certification of cryptographic security. Considering the critical nature of the proposed surveillance and security infrastructure, reliance solely on TEE may not provide adequate assurance against chipset-level vulnerabilities and cyber-security threats. We therefore request the authority to mandate compliance with FIPS 140-2 standards and require submission of valid test certificates issued by accredited laboratories for the OEM's chipset or cryptographic modules. Such a requirement will ensure that the underlying hardware has undergone rigorous security validation and will significantly strengthen the cyber resilience of the overall surveillance system.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
716	SL#22- Image Enhancement: Image Stabilization, Defog	Please specify whether you require the image stabilization at the camera level or software level.	Image stabilization shall be at camera level.
717	SL #-14 Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	1. The specification refers to four video streams; however, the resolution of each stream has not been specified. Without clearly defining the stream resolutions, the requirement remains ambiguous and may lead to varying interpretations by bidders. We request the authority to kindly clarify the resolution requirements for each of the four streams. 2. Additionally, kindly confirm whether all four streams are required to support encryption for enhanced data security and cyber-security compliance, or whether encryption is required only for specific streams. This clarification will help bidders propose solutions that fully meet the intended technical requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
718	SL #-18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	The AI analytics supported by the camera are expected to operate in conjunction with the Video Management Software (VMS) platform deployed under the project. The successful realization of the specified AI features is dependent upon proven interoperability and seamless integration between the camera and the proposed VMS application. In the absence of validated compatibility, there is a risk that certain AI functionalities may not perform as intended or may not be fully available within the VMS environment. We therefore request the authority to mandate submission of a compatibility declaration and/or past performance evidence demonstrating successful integration of the quoted camera model with the proposed Video Management System application. This will ensure that the desired AI-based functionalities are practically achievable and fully operational in the proposed solution.	As per the terms and conditions of the tender.
719	SL#-24: Security Features - FIPS 140-2/TEE (Trusted Execution Environment)	We would like to bring to your notice that FIPS 140-2 and Trusted Execution Environment (TEE) are distinct security requirements and should not be considered equivalent. FIPS 140-2 is a recognized security standard that validates the cryptographic modules implemented within the chipset and related hardware components through independent testing and certification. In contrast, TEE is an architectural feature that provides an isolated execution environment and, by itself, does not constitute an equivalent certification of cryptographic security. Considering the critical nature of the proposed surveillance and security infrastructure, reliance solely on TEE may not provide adequate assurance against chipset-level vulnerabilities and cyber-security threats. We therefore request the authority to mandate compliance with FIPS 140-2 standards and require submission of valid test certificates issued by accredited laboratories for the OEM's chipset or cryptographic modules. Such a requirement will ensure that the underlying hardware has undergone rigorous security validation and will significantly strengthen the cyber resilience of the overall surveillance system.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
720	SL #-4 Minimum Illumination: Colour: 0.006 lx (F1.6, 30IRE), B/W: 0 lx with IR LED or better	The minimum illumination requirement specified for the PTZ camera is 0.1 lux, whereas the Bullet Camera specification calls for a significantly lower value of 0.006 lux. This presents an inconsistency in the technical requirements, particularly when both camera types are intended to operate within the same surveillance ecosystem. Further, an illumination level of 0.1 lux is generally considered adequate for surveillance applications under very low-light conditions, approximately equivalent to a new moon environment. Specifying an extremely low illumination requirement of 0.006 lux appears disproportionate to the operational needs of the project and may unnecessarily restrict competition by favouring a limited number of OEMs. We therefore request the authority to review and rationalize this parameter and align the minimum illumination requirement for Bullet Cameras with that of PTZ Cameras, i.e., 0.1 lux. This will ensure consistency	As per the terms and conditions of the tender.

		in the specifications, promote wider bidder participation, and maintain the intended surveillance performance requirements without compromising operational effectiveness.	
721	SL#-10 Shutter Speed: 1/30s to 1/10000s	The specified shutter speed range of 1/30 s to 1/10,000 s appears inadequate for ensuring optimal image quality across varying lighting conditions. In low-light environments, slower shutter speeds are essential to allow sufficient light to reach the image sensor and maintain proper exposure levels. A minimum shutter speed limit of 1/30 s may restrict the camera's ability to perform effectively during night-time or low-illumination conditions, potentially resulting in underexposed images and reduced forensic value. We therefore request the authority to revise the shutter speed specification to 1 s to 1/30,000 s (or better), thereby enabling the camera to adapt effectively to both low-light and bright daylight conditions. A wider shutter speed range will ensure improved exposure control, enhanced image quality, and superior surveillance performance across diverse operating environments.	As per the terms and conditions of the tender.
722	SL #-13 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	The AI analytics supported by the camera are expected to operate in conjunction with the Video Management Software (VMS) platform deployed under the project. The successful realization of the specified AI features is dependent upon proven interoperability and seamless integration between the camera and the proposed VMS application. In the absence of validated compatibility, there is a risk that certain AI functionalities may not perform as intended or may not be fully available within the VMS environment. We therefore request the authority to mandate submission of a compatibility declaration and/or past performance evidence demonstrating successful integration of the quoted camera model with the proposed Video Management System application. This will ensure that the desired AI-based functionalities are practically achievable and fully operational in the proposed solution.	As per the terms and conditions of the tender.
723	SL #-14 Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	1. The specification refers to four video streams; however, the resolution of each stream has not been specified. Without clearly defining the stream resolutions, the requirement remains ambiguous and may lead to varying interpretations by bidders. We request the authority to kindly clarify the resolution requirements for each of the four streams. 2. Additionally, kindly confirm whether all four streams are required to support encryption for enhanced data security and cyber-security compliance, or whether encryption is required only for specific streams. This clarification will help bidders propose solutions that fully meet the intended technical requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
724	SL#-24: Security Features - FIPS 140-2/TEE (Trusted Execution Environment)	We would like to bring to your notice that FIPS 140-2 and Trusted Execution Environment (TEE) are distinct security requirements and should not be considered equivalent. FIPS 140-2 is a recognized security standard that validates the cryptographic modules implemented within the chipset and related hardware components through independent testing and certification. In contrast, TEE is an architectural feature that provides an isolated execution environment and, by itself, does not constitute an equivalent certification of cryptographic security. Considering the critical nature of the proposed surveillance and security infrastructure, reliance solely on TEE may not provide adequate assurance against chipset-level vulnerabilities and cyber-security threats. We therefore request the authority to mandate compliance with FIPS 140-2 standards and require submission of valid test certificates issued by accredited laboratories for the OEM's chipset or cryptographic modules. Such a requirement will ensure that the underlying hardware has undergone rigorous security validation and will significantly strengthen the cyber resilience of the overall surveillance system.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
725	SL#-4 Minimum Illumination: lour: 0.12 lx (30IRE, F2.0), B/W: 0 lx with IR LED	request you to change to 0.1 Lux to maintain uniformity in specifications	As per the terms and conditions of the tender.
726	SL#-11 Shutter Speed: 1/30s to 1/10000s	The specified shutter speed range of 1/30 s to 1/10,000 s appears inadequate for ensuring optimal image quality across varying lighting conditions. In low-light environments, slower shutter speeds are essential to allow sufficient light to reach the image sensor and maintain proper exposure levels. A minimum shutter speed limit of 1/30 s may restrict the camera's ability to perform effectively during night-time or low-illumination conditions, potentially resulting in underexposed images and reduced forensic value. We therefore request the authority to revise the shutter speed specification to 1 s to 1/30,000 s (or better), thereby enabling the camera to adapt effectively to both low-light and bright daylight conditions. A wider shutter speed range will ensure improved exposure control, enhanced image quality, and superior surveillance performance across diverse operating environments.	As per the terms and conditions of the tender.

727	SL #-15 Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	1. The specification refers to four video streams; however, the resolution of each stream has not been specified. Without clearly defining the stream resolutions, the requirement remains ambiguous and may lead to varying interpretations by bidders. We request the authority to kindly clarify the resolution requirements for each of the four streams. 2. Additionally, kindly confirm whether all four streams are required to support encryption for enhanced data security and cyber-security compliance, or whether encryption is required only for specific streams. This clarification will help bidders propose solutions that fully meet the intended technical requirements.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
728	SL#26- Image Enhancement: Image Stabilization, Defog	Please specify whether you require the image stabilization at the camera level or software level.	Image stabilization shall be at camera level.
729	SL#9- Minimum Illumination: Colour: ≤ 0.04 lux, B/W: 0.0005 lux	The specified minimum illumination requirements of Colour: ≤ 0.04 lux and B/W: 0.0005 lux appear to be highly stringent and may not be practically relevant for the intended deployment environment. Licensed surveillance zones are generally equipped with adequate ambient lighting, reducing the operational necessity for such extreme low-light performance. Further, the specification permits the use of external IR illuminators to achieve the desired performance levels. However, the use of external IR introduces significant operational challenges. The field of view (FOV) of an external IR illuminator is typically fixed, whereas the camera's FOV changes dynamically during zoom-in and zoom-out operations. This mismatch can result in uneven illumination, overexposure, underexposure at scene edges, hotspots, and degradation of image quality, particularly in PTZ or varifocal camera deployments. From a surveillance and forensic perspective, a properly integrated inbuilt IR solution generally provides better alignment between the camera optics and illumination pattern, ensuring consistent image quality across the zoom range. The current specification, by allowing extremely low illumination values in conjunction with external IR-based compliance, may inadvertently Favor a limited set of OEMs whose products rely on external illumination rather than optimized inbuilt IR technology. We therefore request the authority to review and rationalize the low-light performance criteria based on the actual operational requirements of the project and to prioritize practical surveillance performance over theoretical laboratory specifications. Additionally, consideration may be given to mandating integrated IR solutions or defining illumination requirements in a manner that ensures proper matching between camera optics and IR coverage, thereby promoting fair competition and ensuring optimal field performance.	As per the terms and conditions of the tender.
730	SL#14- Video Streaming: In. Three compressed Simultaneous Video streams at min 25/30 FPS	The specification mandates support for four video streams in weatherproof cameras; however, the corresponding requirement for Explosion-Proof (Ex-Proof) cameras appears to have been diluted. Given that Ex-Proof cameras are typically deployed in critical and hazardous environments where advanced monitoring and integration capabilities are equally important, there appears to be no technical justification for reducing the stream requirements We therefore request the authority to align the Ex-Proof camera specifications with those of the weatherproof cameras by mandating support for a minimum of four simultaneous video streams. Additionally, the specification does not define the resolution requirements for each stream. Without clearly specifying the resolution, frame rate, and compression parameters of the individual streams, the requirement remains open to varying interpretations and may lead to non-uniform compliance by different OEMs. We therefore request the authority to explicitly specify the resolution and performance parameters for each of the four streams to ensure uniformity in technical evaluation, fair competition among bidders, and the achievement of the intended surveillance objectives.	As per the terms and conditions of the tender.
731	SL#-18: Temperature: -20°C to +60°C	For Weatherproof cameras the temperature range is -40°C to +60°C but for Ex proof the lower limit is set at -20. Kindly make it uniform	As per the terms and conditions of the tender.
732	Minimum: Illumination- Colour: 0.005 lx @ F1.6; B/W: 0 lx with IR	The specified minimum illumination requirements of Colour: ≤ 0.005 lux appear to be highly stringent and may not be practically relevant for the intended deployment environment. Licensed surveillance zones are generally equipped with adequate ambient lighting, reducing the operational necessity for such extreme low-light performance. Please change this to 0.1 Lux or better	As per the terms and conditions of the tender.

733	SL#- 7: Optical Zoom: 30x to 32x Motorized Zoom Lens	The specification mandates an IR illumination range of ≥ 200 m. However, to effectively utilize such a long-range IR capability, the camera must be equipped with an appropriate optical zoom mechanism. A camera with insufficient optical zoom may be unable to achieve the level of scene magnification required at extended distances, resulting in a mismatch between the illumination range and the camera's actual surveillance capability. In such cases, although the IR illumination may reach 200 m, the camera may not be able to capture usable forensic details at those distances. We therefore request the authority to suitably revise the specification and mandate an optical zoom range of 35x to 40x for cameras requiring an IR illumination distance of ≥ 200 m. This will ensure a balanced and technically coherent specification, eliminate any mismatch between illumination and imaging capabilities, and enable the system to deliver the intended surveillance performance at long distances.	As per the terms and conditions of the tender.
734	SL #-26- Video Streaming: Min. Three compressed Simultaneous Video streams at 25/30 FPS	The specification mandates support for four video streams in weatherproof cameras; however, the corresponding requirement for Explosion-Proof (Ex-Proof) cameras appears to have been diluted. Given that Ex-Proof cameras are typically deployed in critical and hazardous environments where advanced monitoring and integration capabilities are equally important, there appears to be no technical justification for reducing the stream requirements We therefore request the authority to align the Ex-Proof camera specifications with those of the weatherproof cameras by mandating support for a minimum of four simultaneous video streams. Additionally, the specification does not define the resolution requirements for each stream. Without clearly specifying the resolution, frame rate, and compression parameters of the individual streams, the requirement remains open to varying interpretations and may lead to non-uniform compliance by different OEMs. We therefore request the authority to explicitly specify the resolution and performance parameters for each of the four streams to ensure uniformity in technical evaluation, fair competition among bidders, and the achievement of the intended surveillance objectives.	As per the terms and conditions of the tender.
735		Whereas for the Weatherproof cameras, Under Security Features: FIPS 140-2/TEE (Trusted Execution Environment) is mentioned but the Specifications for Ex proof PTZ and Fixed are silent on this. Please make FIPS-140-2 mandatory as explained in the under the queries for Weatherproof cameras	As per the terms and conditions of the tender.
736	Sl #- 6 - Minimum Illumination: Colour: 0.011 lx (F1.6, 30IRE), B/W: 0 lx with IR LED	Kindly Standardize to 0.1 Lux as explained in above queries	As per the terms and conditions of the tender.
737	SL#-7: Shutter Speed: 1/30s to 1/10,000s	For low-light environments, slower shutter speeds are necessary to allow adequate light to reach the image sensor and maintain proper image exposure. Conversely, in bright daylight conditions and during rapid PTZ movements, significantly higher shutter speeds are required to freeze motion and ensure sharp image capture. We therefore request the authority to revise the shutter speed specification to a wider range of 1 s to 1/75,000 s (or better). Such a range will enable optimal performance across diverse lighting conditions, improve image clarity during fast PTZ operations, and ensure the capture of high-quality forensic evidence without motion blur. This revision will result in a more balanced and technically robust specification while encouraging broader participation from qualified OEMs capable of meeting the intended operational requirements.	As per the terms and conditions of the tender.
738	SL#25: Security Features: FIPS 140-2/TEE (Trusted Execution Environment)	We would like to bring to your notice that FIPS 140-2 and Trusted Execution Environment (TEE) are distinct security requirements and should not be considered equivalent. FIPS 140-2 is a recognized security standard that validates the cryptographic modules implemented within the chipset and related hardware components through independent testing and certification. In contrast, TEE is an architectural feature that provides an isolated execution environment and, by itself, does not constitute an equivalent certification of cryptographic security. Considering the critical nature of the proposed surveillance and security infrastructure, reliance solely on TEE may not provide adequate assurance against chipset-level vulnerabilities and cyber-security threats. We therefore request the authority to mandate compliance with FIPS 140-2 standards and require submission of valid test certificates issued by accredited laboratories for the OEM's chipset or cryptographic modules. Such a requirement will ensure that the underlying hardware has undergone rigorous security validation and will significantly strengthen the cyber resilience of the overall surveillance system.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
739	SL #- 4: Minimum Illumination: Colour: 0.003 lx (F1.3, 30IRE), B/W: 0 lx with IR LED	Please make it uniform and change to 0.1 Lux	As per the terms and conditions of the tender.

ANNEXURE-I

740	AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	For the 5 MP cameras, you have asked for 3 simultaneous AI whereas for 2 MP you have diluted to 2 numbers Kindly make it uniform to 3 numbers. Also seek the necessary compatibility proneness between the VMS and the Quoted Camera through PTR	As per the terms and conditions of the tender.
741	Sl#4- Minimum Illumination- Colour: 0.005 lx @ F1.6; B/W: 0 lx with IR	Kindly Standardize to 0.1 Lux as requested earlier	As per the terms and conditions of the tender.
742	Sl#4: Minimum Illumination: Colour: 0.04 lx @ F1.6; B/W: 0.0005 lx	The specified minimum illumination values vary across cameras of the same category, resulting in inconsistencies that may unnecessarily restrict competition For surveillance applications, a minimum illumination level of 0.1 lux is generally considered adequate for effective imaging under very low-light conditions and is widely supported across leading industry platform We therefore request the authority to standardize the minimum illumination requirement to 0.1 lux for all cameras of the same type/category. This will ensure consistency in technical specifications, promote fair competition among bidders, and avoid the inclusion of overly restrictive parameters that may limit broader participation without providing a commensurate operational advantage. Standardization of the lux requirement will also simplify technical evaluation and ensure that the specifications remain performance-oriented rather than aligned to the capabilities of a limited set of products or OEMs.	As per the terms and conditions of the tender.
743	Sl#-12: Max Frame Rate- in 25/30 FPS @ 1080p, Three Simultaneous stream @25/30 FPS Sl#-16: Video Streaming: Min. Three compressed Simultaneous Video streams at 25/30 FPS,	For all other cameras' resolution is not mentioned. Here 3 streams at Full HD 25/30fps are asked for. Request to make it 4 streams in line with the Weatherproof cameras. Point #12 and 16 contradicts.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
744	Security Features: FIPS 140-2/TEE (Trusted Execution Environment) not asked for Ex Proof Cameras	Security Requirement Concern: Additionally, FIPS 140-2/TEE has been specified as a requirement for weatherproof cameras, whereas no such requirement has been stipulated for explosion-proof (Ex) cameras. This appears to be contradictory and could potentially jeopardize the overall security posture of the system.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
745	WDR Levels: 130dB -140dB	1. Request you to standardize to 140dB for all types of cameras. 2. Do you require any the certificate as per IEC (global) or NABL (India) standards?	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
746	Resolution: 5MP (2592 × 1944) @ min 25/30 FPS	Resolution: 5MP (2592 × 1944) @ min 20/25/30 FPS Justification: As per standard product available in the market have 20/25 FPS in 5MP PTZ Camera so we request you please consider our suggestion and change it.	As per the terms and conditions of the tender.
747	Security Features: TEE (Trusted Execution Environment) /FIPS 140-2 for secure boot	Security Features: TEE (Trusted Execution Environment) /FIPS 140-2 for secure boot/TEE Justification: As per The Gazette of India Notification for Public Procurement (Preference to Make in India) PPO Order 2017-Notifying CCTV/ Video Surveillance System for Security in furtherance of the Order dated 6th March,2024 clealy says that" Camera should have TPM/TEE (Trusted Execution Environment), or protected using strong cryptography security Feature in the Camera so we request you please change it.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
748	Certifications: NDAA Compliant, CE, FCC, RoHS, UL	Certifications: NDAA Compliant, CE, FCC, RoHS, UL/BIS Justification: BIS is an Indian equivalent certificate to UL and is covered as mandatory certification for CCTV cameras as per CRO. • DPIIT (Department for Promotion of Industry and Internal Trade) has issue a office memorandum on 28.03.2022 where ".....Bureau of Indian Standards Confirmed that Indian Standard IS:13252 available for CCTV Cameras is equivalent to UL/CE Certificate".... Procuring entities to indicate the BIS standard (Indian standard IS:13252) only So we request you please accept our suggestion and change it.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
749	Alarm Inputs/Outputs: 2 Inputs/1 Output (Dry Contact)	Alarm Inputs/Outputs: 1 Inputs/1 Output (Dry Contact) Justification: As Per standard Product available in the market have 1 Alarm In and 1 Alarm Out and only single OEM have this feature we request you please consider our suggestion and change it.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

750	IR Range: 180Mtr	IR Range: 100Mtr Justification: As per Standard Product available in the Market with Lens 5-50 IR Range have 100Mtr IR Range. Only One OEM have this Range so we request you please accept our suggestion and change it and make it generic for wider participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
751	IR Range:55Mtr	IR Range: 50Mtr Justification: As per Standard Product available in the Market with Lens 2.7-13.5 IR Range have 50Mtr IR Range. Only One OEM have this Range so we request you please accept our suggestion and change it and make it generic for wider participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
752	IR Range 70Mtr	IR Range 60Mtr Justification: As per Standard Product available in the Market with Lens 2.7-13.5 IR Range have 60Mtr IR Range. Only One OEM have this Range so we request you please accept our suggestion and change it and make it generic for wider participation.	As per the terms and conditions of the tender.
753	IR Range 55Mtr	IR Range: 50Mtr Justification: As per Standard Product available in the Market with Lens 2.7-13.5 IR Range have 50Mtr IR Range. Only One OEM have this Range so we request you please accept our suggestion and change it and make it generic for wider participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
754	3. All weatherproof camera models must be BIS-ER/STQC certified and must have CE, FCC and UL certifications.	3. All weatherproof camera models must be BIS-ER/STQC certified and must have CE/UL, FCC certifications. Justification: BIS is an Indian equivalent certificate to UL and is covered as mandatory certification for CCTV cameras as per CRO. • DPIIT (Department for Promotion of Industry and Internal Trade) has issue a office memorandum on 28.03.2022 where ".....Bureau of Indian Standards Confirmed that Indian Standard IS:13252 available for CCTV Cameras is equivalent to UL/CE Certificate".... Procuring entities to indicate the BIS standard (Indian standard IS:13252) only So we request you please accept our suggestion and change it.	As per the terms and conditions of the tender.
755	5. The offered make of FLP and non-FLP cameras should have minimum continuous 03 years proven track record in last 10 years reckoned from the original bid closing date.	5. The offered make of FLP and non-FLP cameras should have Supply in any Central Gov, Oil and Gas in last 10 years reckoned from the original bid closing date. Justification: As per standard product available in the market, limited OEM have Explosion proof Camera and with this criterial only one OEM will qualify in this tender so we request you please accept our suggestion and change it.	As per the terms and conditions of the tender.
756	AI Analytics: simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	Through VA/Video Management Software Justification: As application solution in tender Analytics software already considered so we request you please consider analytics feature through VA Software Side and Camera should support Analytics. We request you please consider our suggestion and change it.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
757	Ethernet Communication: 10Base-T/100BaseTX/1000Base-T, RJ45 Ethernet Port	Ethernet Communication: 10BaseT/100BaseTX, RJ45 Ethernet Port Justification: As per Standard Products available in the Market have 20Mbps Maximum Bitrate in the Camera which can handle easily by 10/100 Mbps Ethernet Port. Mentioned Parameter is OEM Specific so we request you please accept our suggestion and change it.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
758	Power Supply: PoE++ (IEEE802.3bt)/PoE+ (IEEE802.3at), 12V DC	Power Supply: PoE++ (IEEE802.3bt)/PoE+ (IEEE802.3at)/POE (EEE 802.3af), 12V DC Justification: We request you please accept our suggestion it will create a healthy competition in the bid.	As per the terms and conditions of the tender.
759	The entire passive components copper and fiber should be from a single OEM of one make. The bidder must submit an undertaking from the OEM, conforming the same.	We request you to include Racks along with Copper & Fiber Solution as its need compatibility for mounting components. This will make it easy for handling future communication with single vendor.	As per the terms and conditions of the tender.

760	The OEM of the passive network components quoted by the bidder must have a proven presence in India for the last 12 years reckoned from the original bid closing date and shall maintain a minimum of 06 presales technical resources deployed across India. (Documentary evidence establishing the above credentials must be submitted with bid.)	Kindly confirm if, Out of the 06 Presales Technical resources, atleast one should be RCDD certified with company pay-roll and should submit the proof of same as mentioned documentary evidence for respective credentials, this is essential for certifying the site design and installation done by installer.	As per the terms and conditions of the tender.
761	OEM should have its manufacturing units, components and finished goods warehouse, R&D labs and direct service center with toll-free number in India. The Bidder shall submit valid documentary evidence along with the Bid establishing the existence and location of the above facilities.	Kindly confirm if OEM should get these products manufactured/ sub contracted within India, to comply to requirements of make in India. Also, OEM must have it's goods warehouse, R&D labs and direct service center with toll-free number in India.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
762	There should be minimum 15 years performance warranty and application assurance as a part of certification of entire installed cabling system.	Kindly include the performance warranty shall be for 25 Years instead of 15 Years, This will confirm the best performance for components used in projects	As per the terms and conditions of the tender.
763	The proposed OEM should be CE certified and its own manufacturing facility must adhere to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 27001:2022 and ESG Silver Rated. Valid certificates for all the above standards and ratings must be enclosed with the proposal to support compliance verification.	Kindly include ISO 28000 which is for Supply Chain Security which is international standard that specifies requirements for a comprehensive security management system, with a strong focus on supply chain resilience and asset protection	As per the terms and conditions of the tender.
764	The proposed OEM must be an active member of both the TIA and BICSI. Additionally, the OEM shall have on its Indian payroll at least vendor neutral certified professional holding CDCP, CFOS, ITIL and either PMI-PMP or RCDD credentials. The services of this professional must be available for consultation and direct involvement in the design, deployment, and oversight of this project. Valid Certificates of the OEM employees along with a letter from the OEM HR verifying that the employees are sitting in India should be submitted. (Details must be provided).	kindly confirm if Employer can make RCDD as mandatory since PMI-PMP and RCDD cannot be measured as equivalent. 1) PMI-PMP is focuses on Project Management whereas RCDD covers whole ICT Infrastructure Design 2) Typical deliverables from PMI_PMP are Project plans, schedules, budgets, risk/stakeholder management and from RCDD one can expects ICT design, layouts, pathways, cable distribution, equipment rooms, telecom spaces designing	As per the terms and conditions of the tender.
765	Quoted product part numbers must be available on OEM's official website	Kindly confirm that available datasheets should be available to public without any username/ password request, authentication and data request like email ID & mobile number to avoid privacy breach.	As per the terms and conditions of the tender.
766	OEM should have at least four dedicated manpower in India for after sales support.	Kindly add for ISO 10002 which is for Customer complaints and satisfaction post sales, which confirms the processes practice assurity	As per the terms and conditions of the tender.
767	Should be ETL channel performance verified on a 04-Connector channel or more, tested upto 350Mhz or more with an MTPL Plug as per ANSI/TIA-568.2-D (Part Code to be mentioned in report and should be submitted along with bid) and UL Listed (Relevant Document to be shared)	Kindly change - Tested upto 700MHz for ETL Channel performance verification, this will enable more quality products for the same.	As per the terms and conditions of the tender.
768	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	kindly confirm if Employer can make RCDD as mandatory since PMI-PMP and RCDD cannot be measured as equivalent. 1) PMI-PMP is focuses on Project Management whereas RCDD covers whole ICT Infrastructure Design 2) Typical deliverables from PMI_PMP are Project plans, schedules, budgets, risk/stakeholder management and from RCDD one can expects ICT design, layouts, pathways, cable distribution, equipment rooms, telecom spaces designing	As per the terms and conditions of the tender.
769	The Proposed OEM should be CE Certified, and its own manufacturing facility must adhere to ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Rated (Certificates to be Enclosed)	Kindly confirm if OEM should get these products manufactured/ sub contracted within India, to comply to requirements of make in India. Also, OEM must have its goods warehouse, R&D labs and direct service center with toll-free number in India. Kindly confirm if CMMI Level 5 can be added for Continuous process improvement using quantitative analysis and innovation along with ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Rated (Certificates to be Enclosed)	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
770	23 AWG solid bard Electrolytic Grade Copper Conductors, Unshielded Twisted 4 Pair, PVC, Electrolytic Chrome-coated Corrugated Steel Tape Armouring covered with PE Outer Sheath. Category 6, confirming to ANSI-TIA 568.2-D for Category 6 & ISO/IEC 11801 for Class E.	Kindly confirm if the inner sheath material can be LSZH, as it has not mentioned anywhere which is important construction part of cable	As per the terms and conditions of the tender.
771	The OEM shall be recognized by Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Kindly confirm if this certificates for start-up "DPIIT Start-up Recognition Certificate" has to be submit by 10+ years established OEMs as OEM PQ it is mentioned that OEM must be in India for more than 12 Years.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

772	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	Kindly confirm if this certificates for start-up "DPIIT start-up Recognition Certificate" has to be submit by 10+ years established OEMs as OEM PQ it is mentioned that OEM must be in India for more than 12 Years.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
773	The Fiber Panels are designed with fixed mount adapter plate assemblies. Should be available in 6 - 96 Port in 1U Rack Mount LIU.	Kindly confirm if modular adapter plate assemblies can be proposed and changed in RFP which will provide the ease of upgrade & maintenance for operation team	As per the terms and conditions of the tender.
774	Complete Aluminium Body Provision for 12/24 Fiber splices	Kindly confirm if ABS-PC material Splice trays can be used to protect Pigtails & Splices from sharp edges of metal material of Aluminium	As per the terms and conditions of the tender.
775	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	kindly confirm if Employer can make RCDD as mandatory since PMI-PMP and RCDD cannot be measured as equivalent. 1) PMI-PMP is focuses on Project Management whereas RCDD covers whole ICT Infrastructure Design 2) Typical deliverables from PMI_PMP are Project plans, schedules, budgets, risk/stakeholder management and from RCDD one can expects ICT design, layouts, pathways, cable distribution, equipment rooms, telecom spaces designing	As per the terms and conditions of the tender.
776	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	kindly confirm if Employer can make RCDD as mandatory since PMI-PMP and RCDD cannot be measured as equivalent. 1) PMI-PMP is focuses on Project Management whereas RCDD covers whole ICT Infrastructure Design 2) Typical deliverables from PMI_PMP are Project plans, schedules, budgets, risk/stakeholder management and from RCDD one can expects ICT design, layouts, pathways, cable distribution, equipment rooms, telecom spaces designing	As per the terms and conditions of the tender.
777	Rs. 3,38,44,050.00 excl. GST.	Kindly confirm whether the applicable BG value would be ₹3,99,35,979.00, considering 18% GST.	Against the subject tender, you are required to submit ₹3,38,44,050.00 only towards Bid Security.
778	The input tax credit of GST quoted shall be considered for evaluation of bids, as per evaluation criteria of tender document.	We request the Department to clarify the specific Input Tax Credit (ITC) percentage applicable to Oil India for the relevant product line in the Financial Bid, to ensure better clarity and maintain parity among all bidders.	Bidder may refer to the relevant clause of the tender document, which provides that the GST quoted in the bid shall be considered for bid evaluation. For determination of the applicable GST rate, bidders are required to refer to the relevant HSN/SAC classification and applicable GST notifications/provisions. Oil India Ltd. shall not provide any specific GST rate for the product line, and the responsibility for quoting the correct GST rate rests with the bidder.
779	The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras.	Point (b) of the requirement specifies the supply of 150 Flame-Proof Cameras. We understand that experience in Ex-Proof Cameras may also be considered as "Similar Work" under Clause 3.1, which defines similar work as "Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras." Point (d) requires experience in a Centralized Control & Command Centre. We understand that experience in centralized monitoring and management of CCTV cameras through a centralized VMS shall be considered, and the requirement is not limited to implementation of a dedicated C&C software, as the present RFP scope does not specifically require such software. We request the Department to kindly confirm the above interpretations.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
780	To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras or the OEM of the Video Analytics solution proposed under the tender. An undertaking from the OEM conforming the same must be submitted with the bid	Kindly allow the VMS and Video Analytics (VA) software to be from the same OEM, while permitting cameras from another compatible OEM. This will ensure single-point accountability, seamless metadata integration, better interoperability, and faster warranty/support resolution, while allowing flexibility in camera selection.	As per the terms and conditions of the tender.
781	The OEM of the passive network components quoted by the bidder must have a proven presence in India for the last 12 years reckoned from the original bid closing date and shall maintain a minimum of 06 presales technical resources deployed across India. (Documentary evidence establishing the above credentials must be submitted with bid.)	Kindly confirm whether at least one of the six Presales Technical Resources is required to be RCDD-certified and on the company payroll, with supporting documentary evidence, to certify the site design and installation.	As per the terms and conditions of the tender.

782	OEM should have its manufacturing units, components and finished goods warehouse, R&D labs and direct service center with toll-free number in India. The Bidder shall submit valid documentary evidence along with the Bid establishing the existence and location of the above facilities.	Kindly confirm whether the OEM is required to manufacture/subcontract the products in India to comply with Make in India requirements, and whether it must have a warehouse, R&D facility, and direct service centre with a toll-free number in India.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
783	The proposed OEM must be an active member of both the TIA and BICSI. Additionally, the OEM shall have on its Indian payroll at least vendor neutral certified professional holding CDCP, CFOS, ITIL and either PMI-PMP or RCDD credentials. The services of this professional must be available for consultation and direct involvement in the design, deployment, and oversight of this project. Valid Certificates of the OEM employees along with a letter from the OEM HR verifying that the employees are sitting in India should be submitted. (Details must be provided).	Kindly confirm whether RCDD certification may be made mandatory, as PMI-PMP and RCDD certifications are not equivalent in scope. PMP primarily covers project management, whereas RCDD focuses on ICT infrastructure design, including layouts, pathways, cable distribution, equipment rooms, and telecom spaces.	As per the terms and conditions of the tender.
784	The Bidder must consider the following for PoC. The hardware and software listed below should be of same make and model as proposed in the bid.	Kindly share the tentative item-wise quantities required for the PoC.	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
785	The payment towards supply of items shall be released site-wise for each individual site, as follows: - 50% of the total supply cost attributable to the respective site shall be released upon completion of supply of all items at that site. - 25% of the total supply cost attributable to the respective site shall be released upon completion of site-wise Installation & Commissioning (I&C), along with the applicable payment towards site-wise I&C. -The remaining 25% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site. The above payment milestones shall be applicable separately for each site, and the corresponding payments shall be released upon achievement and certification of the respective milestone for the concerned site.	Annexure 4 of the RFP provides a list of multiple camera installation sites. However, the RFP mentions that payment milestones shall be considered separately for each site. We request the Department to kindly clarify the interpretation and applicability of “each site” in this context, particularly with respect to the achievement of the respective payment milestones. Further, considering the multi-location nature of the project and the associated procurement, logistics, installation and commissioning activities, we request Oil India to kindly consider the following payment structure, which would facilitate smoother project execution and ensure timely deployment across all sites. - 70% of the total supply cost attributable to the respective site shall be released upon supply of items on Pro-rata basis. - 20% of the total supply cost attributable to the respective site shall be released upon completion of site-wise Installation & Commissioning (I&C), along with the applicable payment towards site-wise I&C. -The remaining 10% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site.	As per the terms and conditions of the tender.
786		The RFP specifies a maximum SLA score. We understand that this score is applicable on a quarterly basis, and penalties shall be evaluated only after the maximum permissible SLA score is exceeded. We request the Department to kindly confirm. Further, as the RFP does not specify a maximum cap on the penalty, we request Oil India to consider a maximum penalty cap of 5% of the quarterly bill for the Contractor.	As per the terms and conditions of the tender.
787	Dismantling and Reinstallation of Rig setup to new location - within 72 hrs of notification	As the rigs are generally located at remote sites, we request the Department to kindly consider amending the SLA timeline to “Within 10 days from the date of release of the notification.”	As per the terms and conditions of the tender.
788	LPU hardware and software should be provided by the same VA vendor providing the VA use cases.	Kindly allow bidder to select the LPU hardware in providing greater flexibility and cost effectiveness.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
789	The Video Management System (VMS) shall provide a Static Map feature for graphical visualization of all CCTV camera locations	As the VMS is required to provide the Static Map feature for graphical visualization of all CCTV camera locations, kindly confirm whether the required static maps shall be provided by the Tenderer.	OIL will provide the site locations; the bidder shall incorporate the same in the VMS map.
790	Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	Three compressed streams are sufficient for the intended application; hence, kindly amend the clause to require a minimum of three H.265 streams at 25/30 FPS for wider participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

791	IR LED Range: Up to 180 meters (PoE/POE++/12VDC)	4.7–47mm or 5–50mm lenses provide 10× optical zoom; hence, a 5–50mm lens with a 100m IR range is commonly used in bullet cameras to ensure adequate illumination of the target zone. Request to consider IR range upto 100 Mtr.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
792	IR LED Range: 55 meters	Dome cameras typically support up to 50m IR range, and with the specified 9mm lens, coverage beyond 50m may not be effective, particularly in outdoor areas. Hence, kindly amend the IR range requirement to 50m for wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
793	5, 10, 20, 40 MHz or better	Kindly consider 20/40/80 MHz channel bandwidth or higher, with 256-QAM, to achieve the required throughput, subject to link distance, SNR, interference, and radio capability.	As per the terms and conditions of the tender.
794	7.5 bits/Hz or better	Kindly revise the throughput requirement to 600 Mbps, corresponding to a spectral efficiency of 7.5 b/s/Hz, based on the formula: Spectral Efficiency = Throughput (bps)/Channel Bandwidth (Hz).	As per the terms and conditions of the tender.
795	Integrated Sector Antenna to support 90°/120° beamwidth to avoid point of failure arising due to water penetration, connector failure, RF cable damage etc	Kindly consider Integrated/External Sector Antenna. For PTMP deployments, 90°/120° sector antennas may be selected based on actual coverage requirements, providing greater flexibility in sector planning and interference management.	As per the terms and conditions of the tender.
796	NGFW Throughput (Firewall + Application Control + IPS): ≥ 15 Gbps	Kindly consider specifying NGFW throughput as 7 Gbps or higher, in line with the specified 5 Gbps SSL Inspection/IPsec VPN throughput and 100,000 concurrent connections, to ensure optimal solution performance.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
797	Compliance Standards: GDPR, ISO 27001, Indian IT Act	Kindly consider TEC/MTCTE certification, as applicable to security/firewall equipment, in lieu of the generic Indian IT Act requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
798	Performance Benchmarking: Must be validated by NSS Labs/ICSA Labs	The specified maximum power consumption of 350 W/m² may be difficult to achieve while maintaining the required brightness. Kindly consider accepting 550–650 W/m² maximum, with lower typical operating consumption, to enable wider OEM participation.	As per the terms and conditions of the tender.
799	Brightness > 800 Nits	Kindly consider revising the minimum brightness requirement to 700 Nits or better, as indoor ICCC/NOC applications prioritize image uniformity, colour accuracy, grayscale performance, and operator comfort; a >800 Nits requirement may unnecessarily restrict competitive participation.	As per the terms and conditions of the tender.
800	Power Consumption: 350 W/m² or Less	The maximum power consumption requirement of 350 W/m² may be difficult to achieve while maintaining the specified brightness levels. Kindly consider accepting 550–650 W/m² maximum power consumption, with lower typical operating consumption, to enable wider OEM participation.	As per the terms and conditions of the tender.
801	CE, FCC, UL & BIS Certification	Kindly accept BIS certification as the mandatory compliance requirement, with CE/FCC/UL or equivalent international certifications, to ensure wider OEM participation without unnecessarily restricting competition.	As per the terms and conditions of the tender.
802	The VMS should be GDPR-ready certification covering all core VMS functions for data security.	The clause appears restrictive towards Indian OEMs, as GDPR is a European regulation. India has established its own data protection and security frameworks, supported by applicable STQC and ISO standards, in line with the Government's "Vocal for Local" initiative.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
803	The VMS should allow recording and reporting on warranty information of cameras. User interface that allows users to select the date on which a camera was installed	The requirement appears OEM-specific, while equivalent functionality can be achieved through different user interfaces. Hence, we request that this clause be deleted to avoid restricting participation.	As per the terms and conditions of the tender.
804	The Proposed OEM should be CE Certified, and its own manufacturing facility must adhere to ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Rated (Certificates to be Enclosed)	Kindly confirm whether the OEM is required to manufacture/subcontract the products within India to comply with Make in India requirements, and whether it must have its own warehouse, R&D facility, and direct service centre with a toll-free number in India. Kindly confirm whether CMMI Level 5 certification may also be considered for continuous process improvement through quantitative analysis and innovation, along with ISO 14001:2015, ISO 45001:2018, ISO 27001 and ESG Rating, with supporting certificates to be enclosed.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
805		What is the primary application for customer to see outcomes: VA application of VMS or both	The outcomes shall be viewable on both the VA application and the VMS.
806	• Operates seamlessly on both Fixed and PTZ cameras	Allow view to be fixed on PTZ camera for AI model analysis of feed, as AI model can't run on moving camera feeds	For PTZ cameras, Video Analytics shall operate in preset mode to maintain a stable Field of View; bidders shall configure the PTZ cameras to run VA on defined presets. The specific VA use cases and presets for PTZ cameras shall be finalized during the

			design/implementation phase in consultation with OIL and the appointed Consultant.
807	• What all attributes are needed to be searched for the use case Human Attribute Extraction • What all attributes are needed to be searched for the use case Women hailing for help	What actions are to be searched? What attributes are needed for the camera feed	For Human Attribute Extraction, the bidder shall demonstrate the capability to detect and search relevant human attributes such as clothing characteristics, appearance-related attributes and other searchable attributes supported by the proposed solution. The specific detection methodology, attributes and associated parameters may be configured based on the bidder's proposed analytics solution, while ensuring compliance with the intended functional requirement and PoC criteria specified in the RFP.
808	Detects security guard while sleeping/ not adhering check protocols	Please advise on current security protocol to be checked (step by step wht AI model to check)	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
809	Gate left open after a certain threshold	Please provide clarity on current threshold for open time (if there multiple gates for car/ truck & walking, then which gate is to be factored for this use case.	'Gate Left Open' is a VA use case. The system shall detect a gate remaining open beyond a predefined/configurable time threshold and generate an alert accordingly. The applicable PoC use cases and related requirements shall be communicated to the qualified bidders.
810	Accuracy >95%	Please clarity calculation basis & formula & minimum data set for doing this accuracy cal exercise	The PoC location and other relevant details shall be communicated through e-mail to the bidders who qualify the Pre-Qualification (PQ) criteria and other applicable terms and conditions of the tender. Adequate preparation time shall be provided to such qualified bidders. OIL shall provide the required power supply and room for the PoC setup, and the equipment may be taken back by the bidder upon completion of the PoC. The applicable PoC use cases and related requirements shall also be communicated to the qualified bidders accordingly.
811	Woman Hailing for Help Use Case	Need scenario explanation and trigger event	For the 'Woman Hailing for Help' use case, the bidder shall demonstrate detection of a person performing a recognizable help-seeking/distress gesture or action in the camera feed and generation of the corresponding alert. The specific detection methodology, gestures and associated parameters may be configured based on the bidder's proposed analytics solution, while ensuring compliance with the intended functional requirement and PoC criteria specified in the RFP.
812	Violence Detection	Need scenario explanation and trigger event	The proposed Video Analytics solution shall detect violent or aggressive physical interactions between persons within the camera field of view. The trigger event shall be the detection of such

			abnormal/aggressive physical activity, upon which the system shall generate an alert. The bidder may propose the appropriate AI-based detection methodology and configurable parameters as per its solution architecture.
813	Working at Heights Without Harness: Identify workers at heights without safety harness	Need scenario explanation and trigger event	The proposed Video Analytics solution shall identify a person working at height without the required safety harness/PPE. The trigger event shall be the detection of a person within the designated working-at-height zone without the required safety harness, upon which the system shall generate an alert. The applicable zone, detection parameters and configuration shall be defined/configured based on site conditions and the proposed solution.
814	TECHNICAL EVALUATION CRITERIA: EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 94,09,61,000.00;	We kindly request you to consider accepting one completed or work-in-progress similar work, with a value of not less than ₹85,00,00,000.00, in order to facilitate wider participation and enable maximum participation from eligible bidders.	As per the terms and conditions of the tender.
815	The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras.	We kindly request you to consider allowing bidders to submit proof of execution under up to five (05) contracts instead of three (03) contracts, in order to facilitate wider participation and encourage maximum participation from eligible bidders.	As per the terms and conditions of the tender.
816		We kindly request you to consider reducing the minimum requirement under Clauses (a) & (d) from 950 Outdoor CCTV Cameras to 850 or more Outdoor CCTV Cameras executed through 03 or more work orders, or alternatively, allow 950 or more Outdoor CCTV Cameras executed through 04 or more work orders, in order to facilitate wider participation and encourage greater participation from eligible bidders.	As per the terms and conditions of the tender.
817	4. Channel Bandwidth: 5, 10, 20, 40 MHz or better	Kindly change to 20/40/80 Mhz because 5/10/20/40 MHz channel bandwidth limits the achievable throughput, and that 20/40/80 MHz or better with 256-QAM will provide the required capacity, subject to link distance, SNR, interference, and radio capability.	As per the terms and conditions of the tender.
818	8. Spectral Efficiency: 7.5 bits/Hertz or better	If the requirement of 1Gbps throuput then Spectral Efficiency should be 12.5 b/herts. Spectral Efficiency= Throughput (bps)/Channel Bandwidth (Hz)	As per the terms and conditions of the tender.
819	12. Antenna: Integrated Sector Antenna to support 90°/120° beam width to avoid point of failure arising due to water penetration, connector failure, RF cable damage etc	Kindly change to Intergarted/External Sector Antenna. For PTMP deployments, different sector antenna beamwidths such as 90° or 120° can be selected according to the actual coverage requirement. This provides greater flexibility in sector planning and interference management.	As per the terms and conditions of the tender.
820	6. The OEM must have supplied a minimum of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date.	Upon reviewing the eligibility criteria, we note that the tendering authority has requested proof from the OEM for supply of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date. Our proposed OEM easily meets and even exceeds the target for this volume of supply in India. Obtaining individual proof of work from end client is a major administrative and logistical challenge. End user organizations may have strict data-sharing policies, or facing internal delays in issuing formal work certificates for completed rollouts, which may inadvertently restrict qualified OEMs from participating. We request the tendering authority to modify the acceptable proof under this clause to include the bidder's Purchase Order (PO) copies/ OEM unpriced tax invoices, in order to meet the requirement for supplying 10,000 IP cameras in India.	In addition to client completion certificates, alternative documentary evidence such as Purchase Orders, Delivery Challans and OEM (unpriced) Tax Invoices shall be accepted as proof of supply of minimum 10,000 IP cameras in India during the last 07 years. All other terms and conditions of the clause remain unchanged.
821	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91°	When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.4° may be preferable to 62°–2.4° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		(2.4°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 62°–2.4° to 56°–2.4°.	
822	Sr. No. 9 Pan/Tilt Speed: Tilt: up to 150°/s	Regarding manual tilt speed/tracking, a tilt speed of 90°/second is preferable for capturing real-time video at vertical angles. We understand that high pan/tilt speeds enable the camera lens to rapidly rotate to a present location; therefore, we request the tendering authority to amend this clause and set the tilt speed at 90°/second.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
823	Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
824	Sr. No. 14. Video Streaming: Min. four compressed Simultaneous Video streams @H.265 min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
825	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91°	When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.4° may be preferable to 62°–2.4° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.4°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 62°–2.4° to 56°–2.4°.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
826	Sr. No. 9 Pan/Tilt Speed: Pan: up to 150°/s, Tilt: up to 150°/s	Regarding manual tilt speed/tracking, a tilt speed of 90°/second is preferable for capturing real-time video at vertical angles. We understand that high pan/tilt speeds enable the camera lens to rapidly rotate to a present location; therefore, we request the tendering authority to amend this clause and set the tilt speed at 90°/second.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
827	Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
828	Sr. No. 14: Video Streaming: Min. four compressed Simultaneous Video streams at H.265 min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
829	Sr. No. 5: IR LED Range: Up to 180 meters (PoE/POE++/12VDC)	Bullet camera equipped with 4.7–47mm or 5–50mm lens and 100 meters IR range are used for medium to long range coverage. Since 4.7–47mm or 5–50mm lens provides 10x optical zoom, it is essential to align the camera's illumination capability with the target zone based on the effective IR range. For this reason, CCTV OEMs use 5–50mm lens with 100 meters IR range in bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
830	Sr. No. 8: Horizontal: 56°–7°, Vertical: 34°–5.2°	CCTV OEMs offer 4.7–47mm or 5–50mm lens in 5MP bullet camera, providing a horizontal angle of 47° (wide) to 7.3° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 47° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
831	Sr. No. 16: Privacy Masking: Up to 8 zones	As per the functional requirements and typical field applications, Bullet Camera does not require 8 privacy masks. In most real-world surveillance scenarios, privacy masking is used to obscure limited fixed areas such as windows, residential zones, or restricted view sections within the camera's field of view. The requirement of 5 privacy masks is considered adequate and practical, as it sufficiently covers all typical use cases in both indoor and outdoor environments. Increasing the number of privacy masks beyond this (e.g., 8 masks) does not provide any additional operational advantage and only adds unnecessary processing overhead to the camera system. Hence, 5 privacy masks are technically and functionally sufficient to meet all security and privacy compliance needs in standard surveillance operations using Bullet Cameras. Request to change to 5 Privacy masks.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

832	Sr. no. 5. IR LED Range: 55 meters	Generally, dome cameras have built-in IR with maximum IR range of 50 meters. 9mm lens as specified in this tender for 5MP Dome camera cannot clearly cover beyond 50 meters. Particularly when dome cameras are used to cover large grounds in complete darkness outdoors may cover maximum 50 meters distance. This is a specific parameter where OEMs do not qualify. Therefore, we request tender authority to amend IR LED range with 50 meters.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
833	Sr. No. 9: Field of View- Horizontal: 103°–33°, Vertical:73°–30°	CCTV OEMs offer 2.9-9mm or 2.8-12mm lens in 5MP Dome camera, providing a horizontal angle of 100° (wide) to 33° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 100° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
834	Sr. No. 20: Privacy Masking- Up to 8 zones	As per the functional requirements and typical field applications, Fixed Camera does not require 8 privacy masks. In most real-world surveillance scenarios, privacy masking is used to obscure limited fixed areas such as windows, residential zones, or restricted view sections within the camera's field of view. The requirement of 5 privacy masks is considered adequate and practical, as it sufficiently covers all typical use cases in both indoor and outdoor environments. Increasing the number of privacy masks beyond this (e.g., 8 masks) does not provide any additional operational advantage and only adds unnecessary processing overhead to the camera system. Hence, 5 privacy masks are technically and functionally sufficient to meet all security and privacy compliance needs in standard surveillance operations using Dome Cameras. Request to change to 5 Privacy masks.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
835	Sr. No. 25: Operating Temperature: -40°C to +60°C	We request the tendering authority to amend the starting operating temperature range to -30°C instead of -40°C. Generally, CCTV OEMs do not offer an operating temperature range of -40°C.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
836	Sr. No.4 : Lens Type: Motorized (e.g., 2.7 mm - 13.5mm/5mm- 50mm)	Please note that the focal length may vary across different OEMs depending on resolution and image size, therefore we request the tendering authority to allow/add a tolerance of +1 mm for camera qualification by OEMs. The tendering authority has already mentioned this same tolerance in the technical specification for 5 MP bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
837	Sr. No. 15: Onboard Storage- Min. 1 TB	We request the tendering authority to amend the requirement to 256 GB of onboard camera storage, as 1 TB of onboard storage is generally not available in flameproof or Ex-Proof cameras from CCTV OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
838	Sr. No.9: Lens Focal Length- 4.5 mm to 135 mm	Please note that the focal length may vary across different OEMs depending on resolution and image size, therefore we request the tendering authority to allow/add a tolerance of +1 mm for camera qualification by OEMs. The tendering authority has already mentioned this same tolerance in the technical specification of 5 MP PTZ camera of township and rigs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
839	Sr. no. 10: Field of View- Horizontal: 60°–2.3°, Vertical: 35°–1.3°	When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.3° may be preferable to 60°–2.3° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.3°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 60°–2.3° to 56°–2.3°.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
840	Sr. No. 13: Video Streaming: Min. four compressed Simultaneous Video streams at min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
841	Sr. no. AI Analytics Support: Queuing, Crowd Gathering	Generally, PTZ camera does not have queuing and crowd gathering analytics on edge. We request tendering authority to remove these analytics to ensure PTZ camera qualification in this bid. Due to use of fixed camera for detailed surveillance, these cameras offer Queuing, Crowd Gathering analytics on edge.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
842	Sr. No. 8: Field of View- Horizontal: Horizontal: 117°–37°, Vertical:62°– 30°	CCTV OEMs offer 2.9-9mm or 2.8-12mm lens in 2MP bullet camera, providing a horizontal angle of 86° (wide) to 37° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 86° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
843	Sr. no.9: Super/Wide Dynamic, up to 140 dB	120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

844	EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	For wider participation clause may be amended as below: Clause No.: 3.1 – Experience Criteria, Criterion II As per the tender, the bidder is required to demonstrate the specified experience under not more than 03 contracts. It is requested that the maximum number of contracts may kindly be increased from 03 to 04 contracts, while retaining the prescribed minimum cumulative experience requirements, i.e.: II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 04 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. Allowing experience across up to 04 contracts, instead of 03, would provide wider participation of technically competent and experienced bidders while ensuring that the stipulated minimum experience requirements remain unchanged.	As per the terms and conditions of the tender.
845	EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	For wider participation clause may be amended as below: Clause No. 3.1 – Experience Criteria, Criterion II(d) As per the tender, the bidder is required to demonstrate: "A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras." Further, Criterion II specifies that the overall experience requirements under (a) to (d) are to be fulfilled under not more than 03 contracts. In this regard, it is requested to kindly clarify whether the requirement under Clause II(d) can also be fulfilled cumulatively across the maximum permitted contracts, and whether it is not mandatory to demonstrate a single contract/PO having a Centralized Control and Command Centre for monitoring and managing all 950 CCTV Cameras. Alternatively, if the requirement under Clause II(d) is intended to be fulfilled through a single contract/PO, it is requested that the clause may kindly be amended as follows: "d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras, cumulatively across the maximum 04 contracts permitted under this criterion." This clarification/amendment is requested to enable participation of bidders having the requisite cumulative experience across multiple eligible contracts, while retaining the stipulated minimum experience requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
846	24.0 SUBCONTRACTING/ASSIGNMENT: 24.1 CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(ies). Except for the main services under this contract, CONTRACTOR may sub-contract the petty support services subject to COMPANY's prior written approval. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the	To facilitate wider participation and enable bidders to leverage specialized agencies/OEMs for specific components of the project. as the clause may significantly limit the participation of capable bidders in the tender process. It is requested that the clause may kindly be amended as follows: "Sub-Contracting is allowed. MSI may, with prior written consent of the Authority, subcontract/sub-let any or part of the work under the Agreement. MSI shall remain fully responsible for the performance of its subcontractors/sub-contractors and shall ensure that they	As per the terms and conditions of the tender.

ANNEXURE-I

	Contract. 24.2 Consequent upon of placement of contract, if successful bidder(s)(other than Micro/Small Enterprise) is procuring materials/services from their sub-vendor, who is a Micro or Small Enterprise registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME with prior consent in writing of the purchasing authority/Engineer in Charge the details like Name, Registration No., Address, Contact No., details of material and value of procurement made, etc. of such enterprises shall be furnished by the CONTRACTOR at the time of submission of invoice/bill.	comply with all applicable terms and conditions of the Agreement." This amendment will facilitate wider participation and access to specialized technical expertise, while ensuring that the overall contractual responsibility remains with the MSI.	
847	J) Bidders submitting their bid based on the experience of their Technical Collaborator/ Consortium/Joint Venture/Parent/Subsidiary/Co-subsidiary/Sister Subsidiary/ MOU with another party shall not be considered.	It is submitted that the subject tender involves diverse and specialized technical components requiring varied domain competencies. In order to enable participation of more competent and technically qualified System Integrators, it is requested that OIL may kindly consider allowing bidding through a Consortium, so that bidders with complementary technical strengths may jointly participate to the benefit of the project and the Department. the clause may be amended as below: 1. Permit Consortium bidding, comprising up to 2–3 partners/members. 2. Experience of lead bidder in case of consortium may be considered for the purpose of meeting Qualification Criterion I/II/III or alternatively, the combined/joint qualification criterion of consortium members may be considered acceptable. 3. The Lead Member be required to independently meet the minimum financial eligibility criteria, or alternatively, the combined/joint financial standing of consortium members be considered acceptable. 4. All consortium members be held jointly and severally liable for performance of contractual obligations. 5. A standard format for the Consortium Agreement be provided by OIL, in the event consortium bidding is permitted.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
848	E) Following work experience shall also be taken into consideration for evaluation of bidder's eligibility: a) If the bidder is executing one 'Similar Work' which is still running, and the contract value/quantity (as applicable) executed under such contract is within the prescribed period of 07 (seven) years reckoned from the original bid closing date is equal to or more than the minimum requirement as stipulated under Clause No. 3.1 of the BEC. b) In case the start date of the requisite experience of 'Similar Work' is earlier than the prescribed 07 (seven) year period reckoned from the original bid closing date, but its completion falls within the prescribed 07 (seven) year period reckoned from the original bid closing date, and the value/quantity (as applicable) executed for such similar work during the last 07 (seven) years reckoned from the original bid closing date is equal to or more than the minimum requirement as stipulated under Clause No. 3.1 of the BEC. c) If the bidder has executed a contract in which the 'Similar Work' is a component of the contract, and the value/quantity (as applicable) for such "Similar Work" executed within the 07 (seven) year period reckoned from the original bid closing date is equal to or more than the minimum requirement as stipulated under Clause No. 3.1 of the BEC. Note: In case, the document(s) submitted by the bidder under Notes to BEC Clause	Note E(a)/E(b)/E(c) – Documentary Proof of Experience Query 1: Kindly clarify that for ongoing contracts under Note E(a), the combination of (i) Contract/LOA/Work Order and (ii) latest SES/COP/Running Bill showing executed quantities, will be accepted as adequate documentary proof of experience. Query 2: Kindly confirm that the documentary requirements stipulated in the Note under E (for additional breakup) apply equally and uniformly to E(a), E(b) and E(c). Kindly provide clarification/confirmation on the above to ensure correct and uniform submission of documents by all bidders.	For ongoing contracts under Notes to BEC Clause 3.1 – Point E(a)/(b)/(c), the combination of Contract/LOA/Work Order along with the latest SES/COP/Running Bill showing executed quantities shall be accepted as adequate documentary proof of experience.

	3.1 Clause No. A above are not sufficient to establish the value/quantity/period (as applicable) of execution of the "Similar Work" as required under Notes to BEC Clause 3.1 Clause Nos. E (a), (b) & (c) above, the bidder shall additionally submit a detailed breakup of the works executed under such contract, clearly indicating the value/quantity/period (as applicable) of 'Similar Work' which should be duly certified by the end user or a certificate issued by a practicing Chartered/Cost Accountant Firm (with Membership Number & Firm Registration Number), clearly certifying the value/quantity/period (as applicable) of the "Similar Work" executed within the prescribed period of 07 (seven) years along with the Un-priced Techno-commercial Bid.		
849	A) For proof of requisite experience (refer Clause No. 3.1 above), the following documents/photocopy (self-attested/attested) must be submitted along with the bid: i) Contract document/LOI/LOA/WO showing details scope of work and technical specifications, AND ii) Job Completion Certificate (JCC) issued by the end user/client in their official letter head duly sealed and signed showing: a) Gross value of job done/quantity done b) Nature of jobs done and Work Order No./Contract No. c) Contract period and date of completion. OR SES (Service Entry Sheet)/Certificate of Payment (COP) issued by the company indicating the following: a) Work Order No./Contract No. b) Gross value of jobs done/quantity done. c) Period of service d) Nature of service	Clarify that for ongoing contracts under Note E (a), SES/COP/client-certified Running Bill showing executed quantities will be accepted in place of JCC. In the case of ongoing contracts claimed under Note E (a), Job Completion Certificate (JCC) will naturally not be available. We request explicit confirmation that SES/Certificate of Payment (COP)/Running Account Bill/TAX Invoice+Delivery Challan certified by the client, showing the executed quantities till date, will be accepted in lieu of JCC for ongoing works.	For ongoing contracts claimed under Notes to BEC Clause 3.1 – Point E(a), SES, Certificate of Payment (COP), Running Account Bill, and Tax Invoice with Delivery Challan certified by the client showing the executed quantities till date shall be accepted in lieu of the Job Completion Certificate (JCC), as valid proof against BEC requirements.
850	A. Payment towards Supply The payment towards supply of items shall be released site-wise for each individual site, as follows: 1. 50% of the total supply cost attributable to the respective site shall be released upon completion of supply of all items at that site. 2. 25% of the total supply cost attributable to the respective site shall be released upon completion of site-wise Installation & Commissioning (I&C), along with the applicable payment towards site-wise I&C. 3. The remaining 25% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site. The above payment milestones shall be applicable separately for each site, and the corresponding payments shall be released upon achievement and certification of the respective milestone for the concerned site.	The existing payment milestone of 50:25:25 places a significant financial burden on bidders, given the high upfront capital investment required for procurement of equipment/materials. It is requested that the payment terms towards supply be relaxed to 80:10:10, i.e.: 80% of supply cost on completion of supply of all items at the respective site, 10% on completion of site-wise Installation & Commissioning (I&C), 10% on successful completion of UAT at that site. This relaxation will improve cash flow viability for bidders and enable wider and more competitive participation, without affecting the Authority's interest, as payment remains linked to milestone completion and certification at each stage. Kindly consider and confirm the above relaxation in payment terms. The above payment milestones shall be applicable separately for each site, and the corresponding payments shall be released upon achievement and certification of the respective milestone for the concerned site.	As per the terms and conditions of the tender.

ANNEXURE-I

851	50% of the total supply cost attributable to the respective site. Maximum 3 lots: The total amount (50% of the total supply cost attributable to the respective site) shall be released in not more than 3 parts/payments. Timeline: *D + 4 months	it is further requested that the 80% payment towards Supply/Delivery/Material Acceptance be allowed to be claimed in multiple lots on a pro-rata/site-wise basis, or alternatively in a maximum of 5 lots (instead of the current restriction of 3 lots), as material/equipment shall be delivered progressively across multiple, geographically dispersed sites. This relaxation will enable timely release of payments corresponding to actual material delivered at each site, ensuring better cash flow management without affecting the Authority's interest, as payments remain linked to certified delivery/acceptance at each stage.	As per the terms and conditions of the tender.
852	100% of the applicable I&C charges for the respective site + 25% of the total supply cost attributable to the respective site. Maximum 5 lots: The bidder shall submit no more than 5 invoices covering all sites. Timeline: *D + 11 Months	Request for below amendment: (a) Site-wise/pro-rata invoicing for I&C charges, without any restriction on the number of invoices (or, alternatively, increase the limit beyond the current cap of 5 invoices covering all sites), given that I&C activities will be completed progressively across multiple, geographically dispersed sites; and (b) Corresponding revision of the Supply portion linked to I&C from 25% to 10%, in line with the revised payment structure requested above	As per the terms and conditions of the tender.
853	"The Bidder must have successfully executed/completed the 'SIMILAR WORK' … under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras."	Kindly clarify whether all four sub-criteria a) to d) under Clause 3.1 II) are to be met cumulatively/in aggregate across a maximum of 3 (three) different contracts, or whether each of the 3 contracts individually must satisfy all four parameters. Also clarify whether all four parameters can be demonstrated through separate, independent contracts executed for different clients.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
854	"The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date…"	Since Clause 3.1 opens with "The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below", kindly confirm that Criterion III) is an independent, additional mandatory requirement to be met over and above I) or II). Also clarify the minimum quantum/value of CCTV cameras required under a single contract to qualify under Criterion III).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
855	"The bidders must confirm their compliance in their 'technical' bid to complete the mobilization within 30 (Thirty) days from the date of issuance of Letter of Award (LOA). Offers without confirmation of stipulated mobilization time or with mobilization time more than 30 (Thirty) days will be summarily rejected."	Considering the scale of the project a 30-day mobilization period appears stringent. Bidders request OIL to kindly consider extending the mobilization period to a more reasonable duration.	As per the terms and conditions of the tender.
856	"For proof of requisite experience… Contract document/LOI/LOA/WO… Job Completion Certificate (JCC)… OR SES/Certificate of Payment (COP)… duly certified by end user/client."	We respectfully request OIL to kindly allow Tax Invoice, Delivery Challan, and Payment Received details certified by a Chartered Accountant (CA) as acceptable supporting documents for ongoing projects, in addition to JCC/SES/COP. This will provide bidders with flexibility to demonstrate genuine execution progress where end-user certificates are pending.	Tax Invoice, Delivery Challan and Payment Received details certified by a Chartered Accountant (CA) shall be accepted as supporting documents for ongoing projects/contracts, in addition to JCC/SES/COP.
857	"If the bidder is executing one 'Similar Work' which is still running, and the contract value/quantity (as applicable) executed under such contract is within the prescribed period of 07 (seven) years reckoned from the original bid closing date is equal to or more than the minimum requirement as stipulated under Clause No. 3.1 of the BEC. "	For ongoing projects, we request that CA-certified statements based on Tax Invoices, Delivery Challans, and Payment Received details be accepted as valid proof of executed value/quantity, in line with industry practice. This will ensure fair consideration of bidders with substantial ongoing works.	Tax Invoice, Delivery Challan and Payment Received details certified by a Chartered Accountant (CA) shall be accepted as supporting documents for ongoing projects/contracts, in addition to JCC/SES/COP.
858	1. 50% of the total supply cost attributable to the respective site shall be released upon completion of supply of all items at that site.	We requests OIL to (a) release supply payment on delivery of each lot/consignment, pro-rata to the value of items delivered and covered by MRN, instead of only after completion of supply of all items at the site; and (b) consider revising the delivery-stage release from 50% to 70% of the site-wise supply cost (with 20% on I&C and 10% on UAT). Justification: Cameras, network, compute and storage are high-value, OEM-procured items to be paid for up-front. A 50% release only after the entire site supply is complete stretches working capital over many months across geographically dispersed sites, and a higher delivery-stage release allows faster procurement, staging and on-time I&C.	As per the terms and conditions of the tender.
859	3. The remaining 25% of the total supply cost attributable to the respective site shall be released upon successful completion of User Acceptance Testing (UAT) at that site.	We requests OIL to (a) reduce the amount held until UAT to 10% of the site-wise supply cost, or alternatively allow release of the balance against a Bank Guarantee of equal value; and (b) confirm that, if UAT is not conducted by OIL/PMC within 30 days of the Bidder's written offer for reasons not attributable to the Bidder, UAT shall be deemed successful and payment released. Justification: UAT depends on OIL/end-user availability, PMC review and OIL-side readiness	As per the terms and conditions of the tender.

		(network, power, CCC). Holding 25% of supply value up to D + 14 months for a dependency outside the Bidder's control blocks working capital and does not improve delivery quality.	
860	A.1: "...released upon completion of supply of all items at that site." Milestone 3: "Maximum 3 lots: The total amount (50% of the total supply cost attributable to the respective site) shall be released in not more than 3 parts/payments."	Please clarify: (a) whether the 'completion of supply of all items at that site' condition applies to each of the 3 parts, or whether each part is released against the value of the lot delivered; (b) what the '3 lots' refers to (per site or for the whole project); and (c) We requests that the cap be removed or increased so invoicing can follow the actual delivery batches per site. Justification: A project spanning multiple sites and a Data Center/CCC will be delivered in more batches than 3. A cap on lots forces consolidation of deliveries and delays billing without any benefit to OIL.	'3 lots' means that the invoices shall be raised a maximum of 3 times only.
861	3 | Supply, Delivery & Material Acceptance Completion | Completion of warehouse setup; Submission of copies of Material Receipt Note (MRN) postdelivery supplied as per the BoQ. | 50% of the total supply cost attributable to the respective site. Maximum 3 lots: The total amount (50% of the total supply cost attributable to the respective site) shall be released in not more than 3 parts/payments. | *D + 4 months	Please clarify who provides the warehouse (land/space, power, security, fire protection) referred to in 'Completion of warehouse setup'; where it is to be located; and who bears storage/insurance cost if I&C is delayed for reasons not attributable to the Bidder (e.g. site not ready, civil/power works pending). We request that OIL provide the space free of cost and compensate storage and insurance costs for extended storage caused by OIL-side delays. Justification: Warehouse setup is a prerequisite for payment but its scope and ownership are not defined; this creates cost and timeline uncertainty for bidders and inconsistent pricing across bids.	OIL shall provide warehouse space of approximately 1,500–2,000 sq. ft. The exact location shall be finalized during the kick-off meeting/design phase. OIL shall provide the nearest available power tapping point; the tapping arrangement and recurring electricity charges shall be in the bidder's scope. The bidder shall be responsible, at its own cost, for construction/portable construction, proper stacking, systematic storage and safe handling of material, security, fire protection, insurance and other arrangements necessary for establishment and operation of the warehouse.
862	1 | Mobilization | i) Kick off meeting with the Contractor. ii) Submission of detailed and certified resume of all the required manpower. iii) Obtaining OIL's approval for all personnel employed by the contractor under this contract along with Police verification. iv) Deployment of Project resources/manpower specified under Clause No. 3.3.12 (Project Manpower) in SOW. v) Submission of Project inception report including implementation plan. vi) The proposed Project Manager, Solution Architect and Network Engineer shall be present during the Project Kick-off Meeting and shall be responsible for the overall solution design and architecture of the project. | Nil | *D + 30 Days	We requests OIL to (a) confirm the time OIL will take to approve personnel and complete Police verification, and to allow the 30-day mobilisation period to be counted only from the date of OIL approval for those items; (b) allow phased deployment of manpower specified under Clause 3.3.12 (design/survey/implementation roles first; operators and O&M staff site-wise from Go-Live); and (c) confirm whether manpower deployed before Go-Live will be paid. Justification: Under Milestone 6/7 payment for 'Operators, deployed manpower, SIM' appears only from D1 (Go-Live). Full manpower deployment at D + 30 days with Nil payment until D + 14 months means the Bidder carries 13+ months of idle/early manpower cost, which inflates price.	As per the terms and conditions of the tender.
863	Milestone 1 – Payment: Nil – *D + 30 Days. Milestone 2 – Payment: Nil – *D + 2 months.	We request OIL to consider (a) a mobilisation advance of 10% of the Contract Value against an equivalent Bank Guarantee, recoverable pro-rata from supply-milestone payments; or alternatively (b) a payment of 5% of the Contract Value on acceptance of Milestone 2 deliverables (site survey, design documents and DBR). Justification: Surveys, design documents, DBR, OEM order placement, manpower mobilisation and warehouse set-up all precede the first payment at D + 4 months. A mobilisation advance supports early OEM booking and protects delivery schedules.	As per the terms and conditions of the tender.
864	2 | Submission of all relevant documents as per the RFP | i) Submission of Project key documents: Site Survey reports; Design documents (FRS, SRS, SDD); Technical Architecture; Design Basis Report (DBR) for Data Center and Command Centre (including one-time migration plan); Any other relevant project documents. ii) Submission of unpriced copies of Purchase Orders for hardware and software supply components. | Nil | *D + 2 months || Milestone 3 timeline: *D + 4 months	We requests OIL to (a) specify the time OIL will take to review and approve the design documents/DBR (e.g. 15 days) and confirm that the supply timeline starts only after approval of the design; and (b) consider extending the supply timeline from D + 4 months to D + 6 months. Justification: Submission of design documents, DBR and unpriced POs is due at D + 2 months with supply complete at D + 4 months, leaving only 2 months for OEM order, manufacturing/lead time, shipping and site delivery. Delivery before design approval risks rework.	As per the terms and conditions of the tender.
865	4 | Site wise completion of Installation and Commissioning | Submission of site wise installation, commissioning, integration and quality acceptance test report including Field Cameras, Network connectivity, PA system, LED display for speed monitoring with CCC and local viewing center. Completion of upgradation and aesthetic refurbishment of the Command and Control Centre (CCC) along with installation and Commissioning of all hardware, software and Non-IT components as per the BOQ. Installation and Commissioning of compute, n/w components, storage and other components As per the terms and conditions of the tender. in data center. Note – Cameras, PA system, and LED display shall be One time Live (OTL) at	Please clarify: (a) whether site-wise I&C payment and the 25% supply release for a site depend on completion of CCC upgradation and the Data Center I&C, or are released on completion of that site's own I&C; (b) We requests that payment for each site be released on completion of that site's I&C, with CCC/Data Center items billable separately; and (c) the number of sites, so the '5 invoices' limit can be reconciled (request: remove the cap or allow one invoice per site). Justification: CCC refurbishment and Data Center works are shared dependencies. If a site's payment is blocked by CCC/DC progress (partly under OIL's civil/power scope), I&C-stage cash flow stalls even though the site is complete.	As per the terms and conditions of the tender.

	viewing center and Command Center | 100% of the applicable I&C charges for the respective site + 25% of the total supply cost attributable to the respective site. Maximum 5 lots: The bidder shall submit no more than 5 invoices covering all sites. | *D + 11 Months		
866	5 | Final Acceptance & Project Go-Live | Submission of UAT reports and Installation & Commissioning certificates; Acceptance of UAT by end user and GO-Live of the Project | Remaining 25% of the total supply cost attributable to the respective site | *D + 14 months = D1; *D1 = Date of Go-Live || A: "The above payment milestones shall be applicable separately for each site, and the corresponding payments shall be released upon achievement and certification of the respective milestone for the concerned site."	Please clarify whether Final Acceptance, Go-Live (D1) and the start of the O&M period are site-wise or for the Project as a whole. We requests that Go-Live & release of the balance 25% supply payment and commencement of O&M be treated site-wise, consistent with the site-wise payment principle in Part A. Justification: The table uses 'Project Go-Live' and a single D1, while Part A and the Illustration refer to site-wise release. If Go-Live is project-wide, the last-site delay (which may be outside the Bidder's control) holds back the balance payment and O&M start of all completed sites.	As per the terms and conditions of the tender.
867	(iii) Any delay in the above-mentioned deliverables shall attract LD as per the LD clause.	We requests OIL to confirm that (a) LD will be levied only on the value of the delayed site/portion and not on the Total Contract Value; (b) LD will be capped as per the LD clause; (c) delays attributable to OIL/PMC (site readiness, approvals, power, permissions, certification, Police verification) and Force Majeure will extend the milestone dates and be excluded from LD; and (d) LD will not be recovered by withholding payments before the delay is assessed and notified. Justification: Several milestones depend on OIL inputs. Without these clarifications LD exposure is uncertain and cannot be priced.	As per the terms and conditions of the tender.
868	(iv) The bidder shall submit invoices along with supporting documents to OIL on a quarterly basis. However, invoices related to manpower, operator, and SIM charges shall be submitted on a monthly basis. Payment for such invoices shall be released along with the corresponding quarterly payment only. OIL shall verify the submitted invoices based on the deliverables, either directly or through the support of the PMC. Upon successful verification and acceptance of the invoices, OIL shall make best efforts to release payment within 30 days from the date of approval.	We request OIL to release payment of monthly manpower, operator and SIM invoices on a monthly basis (within 30 days of submission) instead of along with the quarterly O&M payment. Justification: Salaries and statutory dues (EPF/ESI, minimum wages) and SIM/telecom charges are payable monthly. Quarterly release forces the Bidder to fund up to 3 months of recurring manpower cost on a remote, multi-site deployment. There will be additional cost of field manpower also.	As per the terms and conditions of the tender.
869	Point no.6, The OEM must have supplied a minimum of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date. Past supply orders/completion certificates of havig supplied a minimum of 10,000 IP cameras and client certification for proof of work must be submitted with the bid.	Upon reviewing the eligibility criteria, we note that the tendering authority has requested proof from the OEM for supply of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date. We easily meet and even exceed the target for this volume of supply in India. Obtaining individual proof of work from end client is a major administrative and logistical challenge. End user organizations may have strict data-sharing policies, or facing internal delays in issuing formal work certificates for completed rollouts, which may inadvertently restrict qualified OEMs from participating. We request the tendering authority to modify the acceptable proof under this clause to include the bidder's Purchase Order (PO) copies/ OEM unpriced tax invoices, in order to meet the requirement for supplying 10,000 IP cameras in India.	In addition to client completion certificates, alternative documentary evidence such as Purchase Orders, Delivery Challans and OEM (unpriced) Tax Invoices shall be accepted as proof of supply of minimum 10,000 IP cameras in India during the last 07 years. All other terms and conditions of the clause remain unchanged.
870	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91° Sr. No. 9 Pan/Tilt Speed: Tilt: up to 150°/s Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	Sr. No. 8 - When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.4° may be preferable to 62°–2.4° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.4°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 62°–2.4° to 56°–2.4°. Sr. No. 9- Regarding manual tilt speed/tracking, a tilt speed of 90°/second is preferable for capturing real-time video at vertical angles. We understand that high pan/tilt speeds enable the camera lens to rapidly rotate to a preset location; therefore, we request the tendering authority to amend this clause and set the tilt speed at 90°/second. Sr. No. 10- 120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
871	Sr. No. Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	
872	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91° Sr. No. 9 Pan/Tilt Speed: Pan: up to 150°/s, Tilt: up to 150°/s Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	Sr. No. 8 - When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.4° may be preferable to 62°–2.4° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.4°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 62°–2.4° to 56°–2.4°. Sr. No. 9- Regarding manual tilt speed/tracking, a tilt speed of 90°/second is preferable for capturing real-time video at vertical angles. We understand that high pan/tilt speeds enable the camera lens to rapidly rotate to a preset location; therefore, we request the tendering authority to amend this clause and set the tilt speed at 90°/second. Sr. No. 10- 120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
873	Sr. No. 14 :Video Streaming: Min. four compressed Simultaneous Video streams at H.265 min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
874	Sr. No. 5: IR LED Range: Up to 180 meters (PoE/POE++/12VDC)	Bullet camera equipped with 4.7–47mm or 5–50mm lens and 100 meters IR range are used for medium to long range coverage. Since 4.7–47mm or 5–50mm lens provides 10x optical zoom, it is essential to align the camera's illumination capability with the target zone based on the effective IR range. For this reason, CCTV OEMs use 5–50mm lens with 100 meters IR range in bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
875	Sr. No. 8: Horizontal: 56°–7°, Vertical: 34°–5.2°	CCTV OEMs offer 4.7–47mm or 5–50mm lens in 5MP bullet camera, providing a horizontal angle of 47° (wide) to 7.3° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 47° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
876	Sr. No. 16: Privacy Masking: Up to 8 zones	As per the functional requirements and typical field applications, Bullet Camera does not require 8 privacy masks. In most real-world surveillance scenarios, privacy masking is used to obscure limited fixed areas such as windows, residential zones, or restricted view sections within the camera's field of view. The requirement of 5 privacy masks is considered adequate and practical, as it sufficiently covers all typical use cases in both indoor and outdoor environments. Increasing the number of privacy masks beyond this (e.g., 8 masks) does not provide any additional operational advantage and only adds unnecessary processing overhead to the camera system. Hence, 5 privacy masks are technically and functionally sufficient to meet all security and privacy compliance needs in standard surveillance operations using Bullet Cameras. Request to change to 5 Privacy masks.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
877	Sr. no. 5. IR LED Range: 55 meters	Generally, dome cameras have built-in IR with maximum IR range of 50 meters. 9mm lens as specified in this tender for 5MP Dome camera cannot clearly cover beyond 50 meters. Particularly when dome cameras are used to cover large grounds in complete darkness outdoors may cover maximum 50 meters distance. This is a specific parameter where OEMs do not qualify. Therefore, we request tender authority to amend IR LED range with 50 meters.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
878	Sr. No. 9: Field of View- Horizontal: 103°–33°, Vertical:73°–30°	CCTV OEMs offer 2.9-9mm or 2.8-12mm lens in 5MP Dome camera, providing a horizontal angle of 100° (wide) to 33° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 100° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

879	Sr. No. 20: Privacy Masking- Up to 8 zones	As per the functional requirements and typical field applications, Fixed Camera does not require 8 privacy masks. In most real-world surveillance scenarios, privacy masking is used to obscure limited fixed areas such as windows, residential zones, or restricted view sections within the camera's field of view. The requirement of 5 privacy masks is considered adequate and practical, as it sufficiently covers all typical use cases in both indoor and outdoor environments. Increasing the number of privacy masks beyond this (e.g., 8 masks) does not provide any additional operational advantage and only adds unnecessary processing overhead to the camera system. Hence, 5 privacy masks are technically and functionally sufficient to meet all security and privacy compliance needs in standard surveillance operations using Dome Cameras. Request to change to 5 Privacy masks.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
880	Sr. No. 25: Operating Temperature: -40°C to +60°C	We request the tendering authority to amend the starting operating temperature range to -30°C instead of -40°C. Generally, CCTV OEMs do not offer an operating temperature range of -40°C.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
881	Sr. No.4 : Lens Type: Motorized (e.g., 2.7 mm - 13.5mm/5mm- 50mm)	Please note that the focal length may vary across different OEMs depending on resolution and image size, therefore we request the tendering authority to allow/add a tolerance of +1 mm for camera qualification by OEMs. The tendering authority has already mentioned this same tolerance in the technical specification for 5 MP bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
882	Sr. No. 15: Onboard Storage- Min. 1 TB	We request the tendering authority to amend the requirement to 256 GB of onboard camera storage, as 1 TB of onboard storage is generally not available in flameproof or Ex-Proof cameras from CCTV OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
883	Sr. No.9: Lens Focal Length- 4.5 mm to 135 mm	Please note that the focal length may vary across different OEMs depending on resolution and image size, therefore we request the tendering authority to allow/add a tolerance of +1 mm for camera qualification by OEMs. The tendering authority has already mentioned this same tolerance in the technical specification of 5 MP PTZ camera of township and rigs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
884	Sr. no. 10: Field of View- Horizontal: 60°–2.3°, Vertical: 35°–1.3°	When comparing camera zoom or PTZ lens, a horizontal range of 56°–2.3° may be preferable to 60°–2.3° because it offers higher pixel density (more detail per foot) at the wide-angle setting, whereas in the other case, the pixels are spread over a larger area. However, at the telephoto angle (2.3°), the zoom capabilities of both lenses are identical, meaning their long range zoom power is the same. Therefore, we request the tendering authority to amend the horizontal wide to tele angle specification from 60°–2.3° to 56°–2.3°.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
885	Sr. No. 13: Video Streaming: Min. four compressed Simultaneous Video streams at min 25/30 FPS	CCTV OEMs have three streams functionality in camera which is more than sufficient and avoids processing degradation. Mainly user utilize primary, secondary and third stream at maximum frame rates for live, recording and analytics/remote monitoring. Standard Video Management Software and network video recorders are natively mapped to decode Main, Sub, and third streams. consequently, the fourth stream effectively goes unused. Therefore, kindly amend this clause with Min. three compressed streams @ H.265 min 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
886	Sr. no. AI Analytics Support: Queuing, Crowd Gathering	Generally, PTZ camera does not have queuing and crowd geathering analytics on edge. We request tendering authority to remove these analytics to ensure PTZ camera qualification in this bid. Due to use of fixed camera for detailed surveillance, these cameras offer Queuing, Crowd Gathering analytics on edge.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
887	Sr. No. 8:Field of View- Horizontal: Horizontal: 117°–37°, Vertical:62°–30°	CCTV OEMs offer 2.9-9mm or 2.8-12mm lens in 2MP bullet camera, providing a horizontal angle of 86° (wide) to 37° (tele), this may vary OEM to OEM. Therefore, we request the tendering authority to amend the horizontal angle to 86° (wide) to ensure maximum qualification by OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
888	Sr. no.9: Super/Wide Dynamic, up to 140 dB	120 dB True WDR is absolutely sufficient for outdoor CCTV application. 120 dB rating WDR means the camera can process a contrast ratio between the darkest shadows and the brightest highlights in the same frame. For outdoor monitoring, this capability is more than enough to deliver clear images. We request tender authority to amend this clause with WDR range of 120dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
889	The proposed OEM must be an active member of both the TIA and BICSI. Additionally, the OEM shall have on its Indian payroll at least vendor neutral certified professional holding CDCP, CFOS, ITIL and either PMI-PMP or RCDD credentials. The services of this professional must be available for consultation and direct involvement in the design, deployment, and oversight of this project. Valid	We request tender authority to amend this clause with The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification.	As per the terms and conditions of the tender.

	Certificates of the OEM employees along with a letter from the OEM HR verifying that the employees are sitting in India should be submitted. (Details must be provided).	The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification.	
890	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	We request tender authority to amend this clause with The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification.	As per the terms and conditions of the tender.
891	The OEM shall be recognized by Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	We request tender authority to amend this clause with The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
892	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	We request tender authority to amend this clause with The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
893	ISO 9001, RoHS, CE certified	Request to remove the RoHS and CE Certificate for wide competition.	As per the terms and conditions of the tender.
894	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	We request tender authority to amend this clause with The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification.	As per the terms and conditions of the tender.
895	The Proposed OEM should be a member of TIA and BICSI and should have a CDCP, ITIL and a PMI-PMP or an RCDD on the OEM's payroll sitting in India whose services can be utilized for this project.	We request tender authority to amend this clause with The proposed OEM shall be an active member of both TIA and BICSI and must have full-time professional on its direct payroll in India holding multiple vendor-neutral certifications covering design (CDCP, CFOS, or CFHP), project management (ITIL and PMI-PMP), and testing & certification (CFOT, CCTT). This professional shall be directly involved across the project lifecycle, including design, deployment, and certification. The OEM shall submit valid certification copies along with an HR declaration confirming that the individual is a full-time employee based in India. All credentials shall be subject to verification.	As per the terms and conditions of the tender.
896	The OEM shall be recognized for Promotion of Industry and Internal Trade under the 'Telecommunication & Networking' Industry and 'Network Technology Solutions' sector by Government of India.	We request tender authority to amend this clause with The OEM shall be an Indian-registered company engaged in the manufacture of structured cabling/passive networking products in India under the Make in India initiative, holding a valid ISO 9001:2015 certification, and shall have a minimum of 5 years of operations in India (as evidenced by its Certificate of Incorporation and a manufacturing/GST registration). Where applicable, the OEM shall also submit its Class-I/Class-II Local Supplier certificate (minimum local content as per the Public Procurement (Preference to Make in India) Order, 2017) or its DPIIT/Udyam (MSME) registration.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
897	Front Ports • 1 x Management (Micro-AB USB) port • 1 x Dedicated management Ethernet port • 3 x USB • 4 x 32Gbps FC ports using 2 x Dual ported HBA	Kindly amend the clause to: Rear Ports: • 1 x Dedicated management Ethernet port (rear) • 3 x USB ports (2 x front, 1 x rear) • 4 x 32Gbps FC ports using 2 x Dual ported HBA (rear) Kindly delete '1 x Management (Micro-AB USB) port'. Justification/Rationale: 1. The dedicated management Ethernet port and the FC HBA ports are	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		provided on PCIe/LOM adapters and the management controller, which are located on the rear I/O panel of rack servers; a front location is not feasible/standard for these ports. 2. The front panel of a rack server is largely occupied by the 2.5-inch drive bays; the number of front USB ports is therefore limited, and a rear USB port provides the same functionality. 3. The Micro-AB USB management port is a design feature of certain OEM models only and adds no functionality, as a dedicated management Ethernet port with GUI-based remote management is already specified. The amendment does not dilute the requirement and enables wider OEM participation.	
898	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi	Kindly add 'Proxmox VE (Proxmox Virtual Environment)' to the list of supported Operating Systems/Hypervisors. Justification/Rationale: Proxmox VE is a widely used open-source, KVM-based virtualization platform that runs on standard x86-64 server hardware. Since Sr. 11 allows the virtualization solution to be specified by the bidder, adding Proxmox gives OIL more options, avoids vendor lock-in and reduces licence cost, without affecting the hardware requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
899	Max. 2U rack mounted with OEM sliding rails	Kindly amend the clause to: '2U/4U rackmount with OEM sliding rails' Justification/Rationale: The configuration calls for 4 x NVIDIA L40S (PCIe, 350W, 48GB) GPUs along with dual-socket 64-core CPUs, 512 GB DDR5, 8 x 2.5-inch drives, RAID controller, HBA/NICs and redundant power supplies. Four double-width 350W GPUs need substantial PCIe slots, cooling and power capacity; few 2U models can host them, while a 4U chassis allows more OEMs to participate and gives better thermal margin and reliability.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
900	Front Ports • 1 x Management (Micro-AB USB) port • 1 x Dedicated management Ethernet port • 3 x USB	Kindly amend the clause to: Rear Ports: • 1 x Dedicated management Ethernet port (rear) • 3 x USB ports (2 x front, 1 x rear) Kindly delete '1 x Management (Micro-AB USB) port'. Justification/Rationale: 1. The dedicated management Ethernet port and the FC HBA ports are provided on PCIe/LOM adapters and the management controller, which are located on the rear I/O panel of rack servers; a front location is not feasible/standard for these ports. 2. The front panel of a rack server is largely occupied by the 2.5-inch drive bays; the number of front USB ports is therefore limited, and a rear USB port provides the same functionality. 3. The Micro-AB USB management port is a design feature of certain OEM models only and adds no functionality, as a dedicated management Ethernet port with GUI-based remote management is already specified. The amendment does not dilute the requirement and enables wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
901	* Server should have BIS, IEC60950 (UL) certification. * Server should have EPEAT registered in India. [All Server] * Server OEM should have ISO9001, ISO27001 All Certificate from certifying agency to be submitted	Kindly remove the OEM eligibility requirement '* Server should have EPEAT registered in India.' from the Certifications clause. The remaining certification requirements (BIS/IEC 60950 (UL) and OEM ISO certifications) may remain as per the terms and conditions of the tender. Without prejudice to the above request, if OIL decides to retain an environmental compliance criterion, kindly amend it to: 'EPEAT/BEE'. Justification/Rationale: 1. EPEAT is a voluntary, international eco-label and not a statutory requirement in India. Statutory/safety compliance is already ensured through the BIS and IEC 60950 (UL) certification, and OEM quality/security through ISO 9001 and ISO 27001, required in the same clause.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
902	Front Ports • 1 x Dedicated management Ethernet port or better • 2 x USB 2.0 or better • 1 x USB 3.0 or better • 4 x 32Gbps FC ports using 2 x Dual ported HBA	Kindly amend the clause to: Rear Ports: • 1 x Dedicated management Ethernet port • 3 x USB • 4 x 32Gbps FC ports using 2 x Dual ported HBA	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		Justification/Rationale: 1. The dedicated management Ethernet port and the FC HBA ports are provided on PCIe/LOM adapters and the management controller, which are located on the rear I/O panel of rack servers; a front location is not feasible/standard for these ports. 2. The front panel of a rack server is largely occupied by the 2.5-inch drive bays; the number of front USB ports is therefore limited, and a rear USB port provides the same functionality. 3. The Micro-AB USB management port is a design feature of certain OEM models only and adds no functionality, as a dedicated management Ethernet port with GUI-based remote management is already specified. The amendment does not dilute the requirement and enables wider OEM participation.	
903	NVIDIA Quadro RTX 4000 of min. 8 GB memory or better	The specified NVIDIA Quadro RTX 4000 (8 GB) graphics card has reached End-of-Life and is no longer available for fresh supply. Kindly suggest/confirm the alternate GPU to be offered against this requirement. We propose the current-generation NVIDIA RTX PRO 4000 Blackwell (24 GB GDDR7) or any other equivalent/higher NVIDIA professional (RTX) graphics card with minimum 8 GB memory. Justification/Rationale: As the specified card is EOL, bidders cannot offer it for supply and warranty/support during the contract period. A current-generation professional GPU of equal or higher capability (memory, performance, multi-display support) meets the intent of the clause and avoids supply/support risk.	The specification is the minimum requirement; bidders may quote a higher/better GPU as per the requirement.
904	n-built	Kindly amend the clause to: 'Speaker should be inbuilt or External' Justification/Rationale: Many business-class workstations do not have built-in speakers; audio output is provided through the monitor or external speakers. The functional requirement (audio output) is met either way.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
905	Front Ports • 1 x Management (Micro-AB USB) port • 1 x Dedicated management Ethernet port • 3 x USB • 1 x VGA	Kindly amend 'Front Ports' to 'Rear Ports' (1 x Dedicated management Ethernet port and 3 x USB to be provided as rear ports) & remove the Micro-AB USB port , Remaining items of the clause As per the terms and conditions of the tender.. Justification/Rationale: The dedicated management Ethernet port is located on the rear I/O panel of rack servers, and rear USB ports are standard; a front location is not feasible/standard for these ports. The amendment does not dilute the requirement and enables wider OEM participation. The Micro-AB USB management port is a design feature of certain OEM models only and adds no functionality, as a dedicated management Ethernet port with GUI-based remote management is already specified.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
906	Should have integrated LCD based display panel on server chassis or security bezel which displays system ID, status information and system error code followed by descriptive text. LCD background should light up in different colors during normal system operation & error conditions.	Kindly relax this clause and amend it to: 'Should have front-panel health/status indicators (LED or LCD) on the server chassis or security bezel indicating system health status, with system ID and error codes with descriptive text available through the OEM out-of-band management controller (GUI/alerts).' Justification/Rationale: An integrated LCD display panel on the chassis/bezel is a proprietary feature available only with specific OEMs, which restricts competition. The functional need (visibility of system health, ID and error codes) is fully met by LED/LCD health indicators together with the out-of-band management controller, which is already a mandatory requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

907	* Server should have BIS, IEC60950 (UL) certification. * Server should have EPEAT registered in India. * Server OEM should have ISO9001, ISO27001, ISO 14001, ISO 50001 and ISO45001 certified own India facility All Certificate from certifying agency to be submitted	Kindly remove the OEM eligibility requirement '* Server should have EPEAT registered in India.' from the Certifications clause. The remaining certification requirements (BIS/IEC 60950 (UL) and OEM ISO certifications) may remain As per the terms and conditions of the tender. Without prejudice to the above request, if OIL decides to retain an environmental compliance criterion, kindly amend it to: 'EPEAT/BEE'. Justification/Rationale: 1. EPEAT is a voluntary, international eco-label and not a statutory requirement in India. Statutory/safety compliance is already ensured through the BIS and IEC 60950 (UL) certification, and OEM quality/security through ISO 9001 and ISO 27001, required in the same clause.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
908	NVIDIA Quadro RTX 4000 of min. 8 GB memory or better	The specified NVIDIA Quadro RTX 4000 (8 GB) graphics card has reached End-of-Life and is no longer available for fresh supply. Kindly suggest/confirm the alternate GPU to be offered against this requirement. We propose the current-generation NVIDIA RTX PRO 4000 Blackwell (24 GB GDDR7) or any other equivalent/higher NVIDIA professional (RTX) graphics card with minimum 8 GB memory. Justification/Rationale: As the specified card is EOL, bidders cannot offer it for supply and warranty/support during the contract period. A current-generation professional GPU of equal or higher capability (memory, performance, multi-display support) meets the intent of the clause and avoids supply/support risk.	The specification is the minimum requirement; bidders may quote a higher/better GPU as per the requirement.
909	In-built	Kindly amend the clause to: 'Speaker should be inbuilt or External' Justification/Rationale: Many business-class workstations do not have built-in speakers; audio output is provided through the monitor or external speakers. The functional requirement (audio output) is met either way.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
910	[Page 1] In parallel, OIL has envisioned the establishment of a state-of-the-art Integrated Security Command & Control Centre (ISCCC) within a new upcoming building at Duliajan in the future, as and when constructed. [Page 2] The migration cost including transportation, dismantling, reinstalling, design, procurement of any additional line item shall be based on the actual requirement at that time and as per the requirements of Oil India Ltd. [Page 33] The same shall not be part of the final financial quotation of the Contractor.	The CCC migration may fall anywhere in the 8y 2m contract term and is excluded from the quotation, leaving bidders with an unpriced obligation. (a) Please give the tentative construction/readiness timeline of the new building. (b) Please state the price-discovery basis for migration (e.g., BOQ rate-card for man-day, transport per km, re-installation per item; or a separate PO at mutually agreed rates). Without a basis, 'actual requirement at that time' is an open-ended liability. (c) Will the Data Center also relocate, or only the CCC? Please confirm the network extension to the new building (Data Center to security office) is not in the present scope. (d) Please confirm that SLA penalties/uptime calculations are suspended for the planned migration downtime.	As per Clause 3.3.12.2 of SOW (Note under 'Relocation of the Command-and-Control Center to the proposed new Building'), the migration cost including design, re-installation, dismantling, transportation, procurement of any additional line item, etc. shall be based on the actual requirement at that time and as per the requirements of OIL, and shall not be part of the final financial quotation of the Contractor.
911	[Page 3] Additionally, OIL has identified existing 40 cameras and the same shall be used along with the new setup. [Page 40] OIL currently has approximately 150 existing CCTV cameras connected to and operating through the existing Control Room, which are required to be upgraded as part of this project. [Page 40] As and when new CCTV cameras are installed and commissioned at a particular location, the corresponding existing CCTV cameras shall be decommissioned and removed from service.	The RFP is inconsistent on existing cameras (40 to be reused vs. approx. 150 to be upgraded/decommissioned). (a) Please confirm the exact number of existing cameras that are (i) retained and integrated, and (ii) decommissioned. (b) Are the 40 reused cameras part of, or additional to, the 1936 new cameras (total 1976)? (c) Please provide the make/model, ONVIF profile, resolution, age and warranty/AMC status of existing cameras, plus the make/version of the existing VMS and storage. (d) Is warranty/O&M (incl. replacement on failure) of the reused cameras within the Contractor's scope for 7 years? If a reused camera is found non-ONVIF/faulty, will OIL accept replacement as a variation?	A total of 40 existing cameras are required to be integrated with the proposed VMS. The existing cameras are of Honeywell make and are ONVIF compliant. In addition, approximately 150 existing cameras are required to be replaced with the proposed cameras under the project. The final list of cameras to be integrated and replaced shall be mutually finalized with OIL during the design phase. Existing poles, cabling and associated infrastructure, wherever found suitable for reuse, shall be utilized for the proposed system. The exact infrastructure to be reused shall be jointly verified and mutually finalized with OIL during the design phase. The bidder shall carry out the required integration, replacement and reuse of the finalized existing infrastructure at no additional cost to OIL.

912	i. For all cameras installed in Duliajan adequate bandwidth should be provisioned to ensure Live viewing at 1944P and recording at 30 FPS 1080P. ii. For all cameras installed at remote Operational areas adequate bandwidth should be provisioned to ensure Live viewing at 1080P and recording at 30 FPS 1080P.	Please state the design assumptions for bandwidth sizing: (a) expected number of simultaneous live-view sessions per camera and in total (CCC operators, video wall tiles, remote web/mobile users); (b) whether video-wall tiles may use sub-streams; (c) the codec (H.264/H.265) to be assumed; (d) whether 4MP/2MP cameras are to be viewed at their native 1080P/4MP. These drive the radio/SIM/fibre capacity and media-server sizing.	The design assumptions for bandwidth sizing, including the number of simultaneous live-view sessions, use of sub-streams for video walls, codec selection (H.264/H.265) and native resolution viewing, shall be finalized during the design phase in consultation with OIL. The bidder shall propose the same as per its technical design.
913	[Page 11] ... giving 3.5PB total storage configured as 75% NL-SAS 25%SSD. [Page 3] SAN Storage with 3.5 pb.	25% SSD (about 0.9 PB) is very costly for sequential video workloads. Request OIL to permit an alternate configuration (e.g., NL-SAS with SSD cache/tiering of x%, or hybrid) that meets the same usable capacity, write throughput and retention, with the benchmark proof from the OEM. Please confirm if bidders may propose an equivalent design.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
914	OIL has an existing OFC network, which shall be utilized along with the new OFC to be laid under this project. The indicative quantity of new OFC has already been considered and provided in the BOQ. Detailed information regarding the existing OFC infrastructure shall be provided by OIL during the project execution stage.	Details of the existing OFC are needed for pricing now, not at execution stage. Please provide before bid submission: route maps, fibre type, number of cores and spare cores available per segment, total length, condition/last OTDR results, termination/LIU details at the 13 distribution locations, Tengakhat, Moran, Digboi and PS-1. Please also confirm that rectification of defects/cuts in existing OFC, found at execution stage, will be handled as a variation, not at the Contractor's cost.	Bidders are required to carry out a site survey before submission of their bid to assess the existing OFC routes, fibre type, spare cores, condition and termination details. Any cuts or faults in the existing OFC shall be taken care of by OIL and shall not be part of the SLA.
915	[Page 5] Note: Camera based edge analytics should not be considered [Page 20] For indoor surveillance, the inbuilt analytics of dome cameras shall be utilized to enable motion detection and intrusion detection.	Please confirm that camera-based analytics are excluded for all outdoor use cases and that the only permitted use of in-camera analytics is basic motion and intrusion detection on indoor dome cameras, i.e., those two lines are not in conflict.	Yes. Only the inbuilt analytics of the indoor dome cameras shall be utilized, for motion detection and intrusion detection; camera-based edge analytics shall not be considered for the VA use cases.
916	[Page 4] iii. Speed Detection ... vii. Combo Search (Human-Vehicle) [Page 19] ANPR with Speed Detection: ...; Combo Search (Human): Enables suspect searches using multiple attributes such as clothing, colors, or hair characteristics.; Speed Violation Detection: Raises alerts when a vehicle crosses the defined speed limit in the camera view.	Section 3.1 lists 19 use cases while Section 3.3.9 lists 20 (adds 'Combo Search (Human)' and a separate 'Speed Violation Detection'). Please provide the final definitive list of use cases to be delivered and confirm whether ANPR-with-speed and Speed Violation are the same use case.	The final list of use cases, including whether ANPR-with-speed and Speed Violation Detection are treated as the same or separate use cases, shall be finalized during the design phase in consultation with OIL.
917	LPU hardware and software should be provided by the same VA vendor providing the VA use cases. Fire & Smoke Detection (LPU based for 17 locations with n/w issue, ...	VA vendors develop Video Analytics software but do not manufacture workstation-class LPU hardware. Restricting supply to the same vendor limits competition. Allowing OEM hardware with VA vendor validation ensures performance compliance, wider participation, and better value.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
918	Control Room Operator (For period of approx. 10 months during implementation phase) - 12 resources - 3 resources per shift, 3 shifts per day (24x7) + Reliever (3) Note: The Contractor shall consider the operator's cost once the CCC is ready and the cameras are live and being monitored from the CCC. Contractor shall quote the above-mentioned manpower cost as part of I&C only and no extra cost shall be borne by OIL.	The start of operator deployment is conditional and 'approx. 10 months' is not firm. Please (a) define the exact trigger (e.g., CCC handed over + first X cameras live) and who certifies it; (b) confirm whether the 10 months are payable on actual deployment if Go-Live is earlier/later than month 14; (c) clarify whether the cost is payable on a fixed 10-month basis or on actual months deployed, and whether it is a separate BOQ line.	The bidder shall ensure deployment of the required operators as and when the cameras become live and operational at the CCC during the implementation phase. The bidder shall be responsible for planning the manpower deployment accordingly.
919	[Page 32] This includes integration of the existing Surveillance System with third-party applications, security platforms, IT/OT systems and other enterprise solutions mandated by OIL in the future. [Page 29] The Contractor shall also maintain flexibility to incorporate emerging technologies and solutions within the existing Surveillance System architecture during the contract period, subject to OIL's approval.	These obligations are open-ended and unpriced. Please (a) list the systems to be integrated on Day-1 (e.g., access control, fire alarm, gate-pass/ERP, SCADA, radio) and provide API availability; (b) confirm that future integrations/emerging technology additions will be handled as change requests with man-day rates (to be quoted in BOQ) or mutually agreed prices, not as part of the fixed O&M price.	The details of the systems to be integrated, API availability and handling of future integrations shall be shared and finalized during the design phase in consultation with OIL and the Consultant. Bidders are also advised to carry out a site survey and refer Clause 3.3.12.2 of SOW. Any additional hardware/licences required for future integrations shall be dealt with as per the applicable contract terms and conditions.
920	The selected Contractor shall ensure availability of atleast 5% of the critical spare parts for all deployed hardware, network, and security components of the Surveillance System. An on-site inventory of essential spares shall be maintained at Oil India Ltd., Duliajan, to minimize downtime in case of equipment failure.	Please clarify (a) the list of 'critical spares' and whether the 5% is by quantity for each item type (rounding rule) including cameras, switches, SIM routers, poles/JBs, servers; (b) ownership of the spares at end of contract; (c) whether a spares hub at Duliajan only is acceptable for remote operational areas and Arunachal; (d) that spares consumed against replacement during warranty/O&M remain the Contractor's responsibility, but the unit used for OIL-caused damage (vandalism/lightning/force majeure) is chargeable.	The bidder shall maintain at least 5% critical spares as specified in Clause 3.3.12.2 of SOW. The list and quantity of critical spares beyond this minimum shall be decided and maintained by the bidder to meet the SLA and ensure smooth O&M performance.

921	Contractor shall quote the above-mentioned manpower cost as part of O&M cost and no extra cost shall be borne by the OIL. Payment shall be made to the Contractor quarterly along with the complete O&M payment for the respective quarter.	Manpower is a 7-year cost exposed to statutory minimum-wage revisions. Please confirm whether a price-variation clause for wage revision (as notified by the Government of Assam/Central Government) is applicable, or whether bidders should bake in escalation. Please also confirm the deduction method for absent personnel (pro-rata by attendance) and that the O&M payment is not held back for non-manpower SLA slippage.	Bidders shall consider employee wages as per Oil & Gas industry norms and factor statutory revisions/escalations accordingly while quoting.
922	[Page 43] The exact camera locations shall be finalized by the successful Contractor in consultation with OIL and local government authorities to ensure efficient surveillance coverage of designated areas. [Page 1] ... operational areas across Eastern Field, Western Fields & GMS across Assam and few locations in Arunachal.	Please clarify (a) who obtains statutory permissions and bears the fees for pole erection, trenching and OFC/duct laying on public land, roads, township, railways, forest and Arunachal Pradesh locations (ROW, PWD/NH, forest clearance, ILP); (b) whether OIL will facilitate these approvals; (c) that locations changed after survey are subject to adjusted cable/OFC quantities as a variation; (d) the list of Arunachal locations.	All poles and OFC routes envisaged under the scope are within OIL premises/property. Accordingly, wherever any internal permission/approval or associated charges are applicable for such routes, the same shall be borne/facilitated by OIL. Obtaining the Inner Line Permit (ILP) for deployment/work in Arunachal Pradesh shall be the responsibility of the bidder.
923	No hot work activities (including welding, cutting, grinding, drilling, or heating) shall be permitted within OIL field installations.	Please clarify whether cold-work activities such as mechanical drilling for anchor bolts, trenching/excavation and HDD/boring (page 16) are permitted inside installations under the OIL work-permit system, the typical permit lead time, and that prefabrication of poles/structures outside the installation is acceptable.	Permits, whether for cold work or hot work, shall be obtained from the concerned department under OIL's work-permit system before execution. The bidder shall adopt suitable work methods in accordance with OIL guidelines and all applicable statutory requirements. Prior permission/approval from OIL shall be obtained before adopting or executing the proposed work methodology, wherever applicable.
924	The system shall be declared Go-Live upon successful User Acceptance Testing (UAT) and approval by the OIL. A 01-year complete comprehensive warranty, operation & maintenance shall be provided immediately after Go-Live.	Please clarify (a) whether Go-Live is for the entire system or may be phased by location/cluster; (b) who maintains and bears the risk of sites commissioned before Go-Live; (c) the O&M price treatment during the 1-year warranty (is year-1 O&M quoted nil, with the manpower and relocation costs paid or not?); (d) that warranty/O&M start dates shift if OIL delays UAT/Go-Live for reasons not attributable to the Contractor.	As per the terms and conditions of the tender.
925	Software Requirement Specification (SRS) as per IEEE Standards including but not limited to the following components: ... 3. Logical database requirements ... Entity Relationship (ER) diagrams and other data modelling documents	Please confirm that, for COTS products (VMS, VA, EMS, NMS), the OEM's standard documentation along with project-specific configuration, integration and as-built documents is acceptable in place of SRS/ER/data-model documents, and that no custom software development is expected under this contract.	For COTS products such as VMS, VA, EMS and NMS, the OEM's standard documentation, along with project-specific configuration, integration and as-built documents, is acceptable in place of detailed SRS/ER/data-model documents. No custom software development is expected under this contract.
926	NGFW Throughput (Firewall + Application Control + IPS): ≥ 15 Gbps	NGFW Throughput (Firewall + Application Control + IPS): ≥ 7 Gbps Justification: Kindly consider NGFW Throughput as 7 Gbps as SSL Inspection Throughput and IPSEC VPN Throughput is asked 5Gbps and concurrent connections asked 100000. To optimize the solution kindly consider to change NGFW Throughput to 7Gbps or higher.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
927	Training & Documentation: OEM to provide admin training + manuals	Training & Documentation: OEM/Bidder to provide admin training + manuals	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
928	Compliance Standards: GDPR, ISO 27001, Indian IT Act	Compliance Standards: GDPR, ISO 27001, TEC/MTCTE Certificate Justification: Indian Information Technology Act is a broad cyber-law framework. Kindly consider TEC/MTCTE Certificate which is applicable to Security Equipment/Firewall Equipment	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
929	Performance Benchmarking: Must be validated by NSS Labs/ICSA Labs	Kindly remove this point Justification: NSS Labs and ICSA Labs have stopped operating. Kindly remove this point.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
930	The Application shall allow important video sequences to be protected against normal disk clean-up routines.	We can use Bookmark function to save sequence, Videos can be exported to external media. Requesting you to amend the point as below " The Application shall allow important video sequences to be able to bookmark for ease of search and should be able to export to external media for evidential use"	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
931	Media encryption shall support with latest industry standards - AES-128.	shall include AES 256 as well, because AES 256 is latest available encryption technology and better than AES 128	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

932		Kindly add this point for " The proposed Cameras should native integration using dedicated plugin which will ensure deep integration and edge base analytics running on VMS platform seamlessly "	As per the terms and conditions of the tender.
933	• Operates seamlessly on both Fixed and PTZ cameras.	The tender specifies that the video analytics solution shall operate seamlessly on both Fixed and PTZ cameras. However, several of the specified analytics require a stable and consistent field of view for reliable detection and tracking. Continuous pan, tilt, or zoom movement of a PTZ camera changes the scene and field of view, which may impact the accuracy and continuity of such analytics. Industry implementations commonly use fixed cameras for continuous scene analytics. In this regard, kindly clarify whether the PTZ camera is intended to remain at a fixed/predefined preset position while analytics are being performed, or whether analytics are expected to operate continuously while the PTZ camera is actively panning, tilting, or zooming. Kindly clarify the intended deployment methodology for PTZ cameras, along with the applicable PTZ operating conditions/preset s. Alternatively, we request that the clause be amended to specify that analytics requiring a stable field of view shall be performed using Fixed cameras or PTZ cameras operating at a fixed preset position.	For PTZ cameras, Video Analytics shall operate in preset mode to maintain a stable Field of View; bidders shall configure the PTZ cameras to run VA on defined presets. The specific VA use cases and presets for PTZ cameras shall be finalized during the design/implementation phase in consultation with OIL and the appointed Consultant.
934	18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detect,ion, Line Crossing Loitering, People Counting, face detection, Unattended Object, Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
935	18 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, face detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
936	21 AI Analytics: Up to 3 simultaneous AI apps (e.g. vehicle, human detection), Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.

937	14 AI Analytics Support: Up to 3 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
938	25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
939	17 AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
940	18 AI Analytics Support: Up to 2 simultaneous AI apps (e.g., people, vehicle detection)- Intrusion Detection, Line Crossing Loitering, People Counting, Queuing, Crowd Gathering, face detection, Unattended Object Detection and Missing Object Detection, Audio Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
941	25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.

942	25 AI Analytics (Optional): Motion Detection, Intrusion Detection, Line Crossing, Loitering, People Counting, Face Detection, Unattended Object Detection and Missing Object Detection	The tender specifies multiple video analytics use cases to be processed through the central/server-based analytics platform. However, the camera technical specifications also mention/support various video analytics capabilities within the camera itself. This creates ambiguity regarding the intended analytics processing architecture and may lead to overlap between camera-based and server-based analytics. To avoid ambiguity and ensure a clear separation between camera functionality and server-based video analytics, we request the authority to delete/remove the video analytics-related clauses from the camera technical specifications and retain only the analytics requirements under the central/server-based Video Analytics specifications.	The tender mandates centralized server-based Video Analytics (refer Clause 3.1 – Sl. No. 6 and Clause 3.3.9 'AI Based Video Analytics' of SOW). Camera-based edge analytics shall not be considered for the VA use cases, and bidders shall comply with this requirement without deviation.
943	4 Graphics (GPU): NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC, CUDA cores ≥ 6144	The tender specifies NVIDIA RTX 4000 SFF Ada, 20 GB GDDR6 ECC with a minimum of 6,144 CUDA cores. NVIDIA has now deprecated the RTX 4000 SFF Ada for newer NVIDIA AI Enterprise releases, with support removed from the 8.x release line. Further, NVIDIA's current-generation RTX PRO 4000 Blackwell SFF Edition provides 24 GB GDDR7 ECC memory, Blackwell architecture, fifth-generation Tensor Cores, and fourth-generation RT Cores in a compact SFF form factor. Considering the above and to avoid specifying a discontinued/deprecated product, we request the authority to amend the GPU specification to a performance-based specification and permit the latest-generation NVIDIA RTX PRO 4000 Blackwell SFF Edition or equivalent/superior GPU. Alternatively, considering the distributed video analytics requirements, the authority may also consider NVIDIA Jetson-based Edge Processing Units (LPUs) for suitable use cases. Edge-based processing can reduce the requirement for centralized GPU resources and network bandwidth while providing an economical deployment architecture. Kindly amend the clause to allow: “NVIDIA RTX PRO 4000 Blackwell SFF Edition,24 GB GDDR7 with ECC, CUDA cores ≥ 8960 or any LPU/Edge AI device subject to hardware meeting the required functionality in the tender”	The specifications are minimum; bidders may quote the GPU model specified in the RFP or a higher/latest-generation model, provided that the proposed GPU is verified and certified by the VA OEM and all defined use cases and workloads are fully supported without compromise.
944	The video analytics system shall be based on a centralized architecture, integrated with the Video Management System (VMS) at the Command-and-Control Center (CCC). For remote locations where the requisite bandwidth is not available to communicate with the central server, the analytics shall be processed locally, and the alerts shall be transmitted simultaneously to the local viewing/control room and the CCC at Duliajan.	As per our understanding, the proposed architecture is primarily centralized, with analytics processed at the central server located at Duliajan. Further, 17 locations are specifically provisioned with LPUs, where Fire & Smoke Detection, PPE Kit Detection, and Behavioral Analytics 2 are required to be processed locally. However, the above clause states that for remote locations where the requisite bandwidth is not available, analytics shall be processed locally. Since there are more than 50 remote locations in total, while the BOQ provisions only 17 LPUs, there is an ambiguity regarding the intended LPU deployment and analytics processing architecture. Kindly clarify whether only the 17 identified locations are required to be provisioned with LPUs for local analytics processing, or whether additional LPUs are required at other remote locations where adequate bandwidth is not available.	All locations are connected under this tender through RF or OFC, except the 17 identified sites where LPU-based Video Analytics is proposed. Metadata from these LPUs shall be transmitted through SIM-based routers, which are factored in the RFP and BOQ.
945	Retention Period	The tender specifies various video analytics and event-based use cases; however, the retention period for storing video analytics events, alerts, and associated metadata has not been specified. We request the authority to kindly clarify the required retention period for video analytics events/metadata, including any applicable retention requirements for analytics alerts, snapshots/images, and associated event data.	The retention period for video analytics events/alerts and associated metadata shall be the same as that specified for video data in the SOW, i.e., Industrial Area & Operational Area – 90 Days and Area for General Surveillance – 30 Days (refer Clause 3.1 – Sl. No. 5 and Clause 3.3.4 of SOW).
946	Architecture	As per our understanding and as mentioned in the tender the stream from 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites, and 250 cameras assigned to DRIVE will be provided at central location, where any four of the listed analytics needed to be processed. Additionally, 17 location have a dedicated LPU will be processing which will be processing 3 analytics (Fire & Smoke, PPE kit and Security following protocol. Kindly confirm if our understanding is correct.	Yes. The streams from 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites and 250 cameras assigned to DRIVE shall be processed at the central location. At the 17 locations with network issues, the following VA use cases shall be LPU-based: Fire & Smoke Detection, PPE Kit Detection and Behavioral Analytics 2 (checks if the Security Guard adheres to the vehicle and person check protocol). A minimum of 04 VA use cases shall run

			on the LPUs, of which 03 are defined as above and 01 shall be decided during the design phase.
947	The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies.	It is requested that the Authority may kindly consider broadening the experience criteria to include experience in supply, installation and commissioning of flame-proof/ex-proof and/or outdoor weatherproof CCTV systems, along with at least one year of operation and maintenance services, under a single contract. Such relaxation would enable participation of bidders having relevant and proven experience in either flame-proof/ex-proof and outdoor weatherproof CCTV deployments, while ensuring that the bidder possesses adequate domain expertise and O&M capabilities.	As per the terms and conditions of the tender.
948	SERVER 1. Server should have BIS, IEC60950 (UL) certification.	The specification requires IEC 60950 (UL) certification for the server. In order to facilitate wider participation while ensuring compliance with applicable safety requirements, it is requested that BIS certification along with applicable Indian safety/product certifications may kindly be accepted as an equivalent alternative to IEC 60950 (UL).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
949	SERVER 5. Server OEM should have ISO 9001, ISO 14001, ISO 27001, ISO 45001 and ISO 50001 certified own India Factory.	The specification requires the Server OEM to have an ISO 50001-certified own India facility. It is requested that RoHS or Energy Star certification, or equivalent environmental and energy-efficiency certifications, may kindly be accepted as an alternative to ISO 50001. Alternatively, the requirement for ISO 50001 at the own India facility may kindly be relaxed to facilitate wider participation of technically qualified OEMs.	As per the terms and conditions of the tender.
950	1. Minimum 10 years of experience of manufacturing the Storage System.	The specification requires a minimum of 10 years of experience in manufacturing Storage Systems. It is requested that suitable relaxation may kindly be considered for eligible MSEs/Start-ups, considering their capability to offer technically compliant and proven storage solutions. Alternatively, relevant experience in storage solutions along with successful deployments and/or relevant product certifications may kindly be considered.	As per the terms and conditions of the tender.
951	15. Certifications Server should have BIS, IEC60950 (UL) certificate Server should have EPEAT registered in India.	The specification requires IEC 60950 (UL) certification and EPEAT registration in India. It is requested that BIS/IEC 60950 (UL)/EPEAT or equivalent applicable certifications may kindly be accepted to meet the intended safety and environmental compliance requirements. Alternatively, compliance with any one of the above certifications along with applicable BIS certification may kindly be considered.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
952	23. Certifications Server OEM should have ISO9001, ISO27001, ISO 14001, ISO 50001 and ISO45001 certified own India facility	The specification requires the Server OEM to have an ISO 50001-certified own India facility. It is requested that RoHS, Energy Star, or equivalent environmental and energy-efficiency certifications may kindly be accepted as an alternative to ISO 50001. Alternatively, the requirement for ISO 50001 at the own India facility may kindly be relaxed to enable participation of technically qualified OEMs.	As per the terms and conditions of the tender.
953	Event Log – The Event Log shall store up to 2000 in the front display panel	Q.3: Change to: "Minimum 500 events, or OEM standard event-log capacity of not less than 500 events, with date/time stamp and event description." Justification: (i) Local log depth is a firmware memory allocation, not a performance parameter. It has no bearing on power quality, reliability or backup and is not specified in IEC 62040-3. (ii) "2000 events" is the figure of one OEM's datasheet. The same tender asks for only "Max 256" events for the 6 kVA UPS (Annexure 2.1.31, Sl. 36), which shows the values are copied from datasheets rather than derived from OIL's need. The requirement should specify functional event logging rather than a manufacturer-specific memory capacity. (iii) A UPS in normal service records only a few events a day (mains fail/restore, battery test, bypass transfer); 500 events hold several months of history on the panel. (iv) SOW Clause 3.3.11.2 requires every Online UPS to be monitored by the NMS and integrated with the SLA/EMS tools, so the permanent audit trail is held in the NMS database with unlimited retention. A 2000-event local log adds no operational value and only restricts competition (Para 10(e) of the PPP-MII Order, 2017).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

954	Self-Capacity test – Full load Capacity test of the UPS at site without connecting any external load.	Q.4: Delete. Replace with: "Full-load test and 120-minute battery backup test shall be carried out at site during commissioning using a resistive load bank arranged by the Contractor, and/or at OEM works (FAT) as per IEC 62040-3, witnessed by OIL." Justification: (i) A "self-load" or regenerative capacity test – in which the inverter output is fed back to the input so that only the losses are drawn from the mains – is a proprietary feature of a few multinational UPS platforms (marketed, for example, as "Easy Capacity Test"). It is not defined in IEC 62040-3 or in any Indian Standard. Specifying it is equivalent to specifying a brand, which Para 10(e) of the PPP-MII Order, 2017, applicable to this tender vide BEC Clause 9.2, terms restrictive and discriminatory. (ii) The regenerative test works only with mains present. It cannot discharge the battery into a real load and therefore cannot verify the 120-minute backup (C-9) or the battery VAH (C-10) – the parameters that decide the "UPS power backup availability" SLA. A load bank is needed at commissioning anyway, so the feature adds cost without removing the load bank. (iii) A load-bank test proves the complete chain – output breakers, cables, voltage regulation under real current and temperature rise – and is the accepted industry method for site acceptance. OIL's objective of proving full capacity at site is fully met.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
955	Output power factor range – 0.6 lagging to unity without any KVA derating	Q.6: Load power factor range 0.8 lagging to unity without kVA derating; beyond this range, derating as per the OEM's published derating curve. Justification: (i) The loads on this UPS are IT and electronic loads – servers, storage, network switches, workstations and the LED video wall – whose switch-mode power supplies have active PFC and run at 0.95–1.0 power factor. A 0.6 lagging load is typical of motors and other inductive loads, which are not connected to a UPS (HVAC units are fed from the raw/DG supply). (ii) Delivering the full 50 kVA at 0.6 lagging means carrying rated current while delivering only 30 kW. The inverter, output filter and isolation transformer must be oversized to circulate reactive current for a load that does not exist in this project. This adds cost and losses without any benefit, contrary to the principle of GFR 2017 Rule 144(ii) (no superfluous or non-essential features).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
956	Battery backup time/Battery capacity – 120 Min/VAH calculation required	Q.12: Please define the sizing basis: 120 min at 100% rated load of 50 kW, end-cell voltage 1.75 V/cell, at 27 °C, computed from the battery manufacturer's published constant-power (W/cell) discharge table; and state whether an ageing factor (e.g. 1.25) is to be applied. VAH offered and the calculation to be submitted with the bid. Justification: (i) The backup of a battery bank depends on the load (kW, not kVA), the end-of-discharge voltage, the temperature and any ageing margin. None of these is defined, so bidders can size the same "120 minutes" very differently. (ii) For a 2-hour 50 kW system these assumptions change the installed Ah by 30–50% and the price accordingly, making price bids non-comparable. (iii) An under-sized bank would also put the "UPS power backup availability" SLA (99.5%) at risk. A defined common basis ensures a level playing field and protects OIL.	The battery bank shall be sized for 120 minutes backup at full rated load (50 kW), at an end-cell voltage of 1.75 V/cell and 27°C, based on the battery manufacturer's published constant-power discharge data. The VAH calculation shall be submitted with the bid.
957	Altitude – 1500 m from MSL without derating	Q.14: "Up to 1000 m (≈ 3,280 ft) above MSL without derating." Justification: (i) The UPS is installed at the CCC, Duliajan, which lies in the Brahmaputra plains at about 121 m above MSL. All OIL operational areas in Upper Assam are also far below 1000 m. (ii) Altitude derating of forced-air-cooled power electronics is needed only above 1000 m, the reference altitude used in the IEC 62040 series and in every UPS datasheet. (iii) Asking for 1500 m without derating forces OEMs to certify or oversize cooling for a condition that will never arise at site – a superfluous requirement (GFR 2017 Rule 144(ii) principle).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
958	No of events stored – Max 256	Q.22: "Event log: minimum 100 events (FIFO, time-stamped), as per OEM design;" Justification: (i) "Max 256" is literally a ceiling, not a requirement, and appears to be copied from a datasheet. It is also inconsistent with the 2000 events asked for the 50 kVA UPS (Annexure 2.1.30, A-7). (ii) Log depth is a firmware attribute with no bearing on UPS performance. Since every UPS is monitored by the NMS (SOW Clause 3.3.11.2), the permanent event record is kept centrally. A defined minimum avoids arbitrary rejection.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

959	Orientation – Gravity sense	Q.23: Delete – not applicable to the tower UPS specified at Sl. 4. Justification: (i) "Gravity sense" is an accelerometer-based auto-rotation of the LCD used in rack/tower convertible UPS, so that the display reads correctly whether the unit lies horizontally in a 19-inch rack or stands vertically as a tower. (ii) Sl. 4 specifies "Installation mode: Tower" only, and a unit of about 85 kg (Sl. 43) is not meant for rack mounting. The display orientation is therefore fixed and the feature serves no purpose. (iii) It is a cosmetic feature of specific convertible models and restricts competition without any functional benefit.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
960	Operating temperature – 0°C ~ 50°C (2)	Q.24: "0 °C to 40°C." Justification: (i) The normal operating ambient for UPS under IEC 62040-3 is 0–40 °C, and OEMs rate their products at 40 °C. The 50 kVA UPS in this very tender is specified at 0–40 °C (Annexure 2.1.30, G-2). 0–45 °C already gives a margin above the standard. (ii) The "(2)" after "50°C" is a footnote marker carried over from the source datasheet; such notes normally state derating above 40 °C – i.e. even the source product is not rated for full load at 50 °C. (iii) The UPS operates with its batteries in the same room. VRLA battery life roughly halves for every 8–10 °C above 25 °C, so the room must in any case be kept well below 45 °C for the batteries to last; a 50 °C UPS rating has no practical value. (iv) The UPS are installed indoors with the 9U rack at each location, and summer maxima in Upper Assam are in the mid-to-high 30s °C.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
961	Storage temperature – -40°C ~ +70°C (battery excluded); -25°C ~ +55°C (battery included)	Q.25: "Storage temperature: 0 °C to +50 °C without battery; 0 °C to +40 °C with battery (wider range acceptable)." Justification: (i) Storage down to −40 °C is relevant only to arctic or high-altitude transport and storage. Temperatures in Upper Assam do not approach 0 °C, and the UPS will be stored in covered stores. (ii) The two-tier "battery excluded/battery included" format is copied from a specific datasheet. (iii) Lead-acid batteries self-discharge much faster at high temperature and battery manufacturers recommend storage at about 25 °C or below, so a +55 °C "battery included" storage rating is not a meaningful requirement.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
962	Altitude – ≤3000m; derating when higher than 3000m	Q.26: "Up to 1000 m (≈ 3,280 ft) above MSL without derating." Justification: (i) All 55 locations are in OIL's operational areas in Upper Assam, in the Brahmaputra plains (Duliajan ≈ 121 m above MSL) – far below 1000 m. (ii) 1000 m is the reference altitude of the IEC 62040 series, and standard UPS are rated "≤ 1000 m without derating". Requiring 3000 m without derating demands a design margin that will never be used and excludes standard products (GFR 2017 Rule 144(ii) principle). (iii) This also aligns the 6 kVA with the 2 kVA specification of this tender (Annexure 2.1.32, Sl. 42: "<1000 m").	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
963	W*D*H (mm) – 500 X 525 X 400	Q.27: Delete. Dimensions as per OEM design, to be declared in the bid. Justification: (i) Dimensions result from each OEM's thermal and mechanical design; they are not a performance requirement. The exact figure of 500 × 525 × 400 mm corresponds to one manufacturer's model. (ii) Together with the exact weight (Sl. 43), it effectively specifies a single model, which Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) If space at the locations is limited, OIL may instead state a maximum footprint, which is generic.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
964	Electromagnetic Compatibility (EMC) – YD/T1095-2008	Q.33: Delete YD/T1095-2008 Replace with: "EMC compliance to IEC 62040-2:2016, or the latest applicable edition" Justification: (i) YD/T 1095-2008 is a telecommunication-industry standard of China (issued by its Ministry of Industry and Information Technology), titled "Uninterruptible Power Systems for Communications". It is not an EMC standard, has no Indian or IEC status, and was itself superseded in China by YD/T 1095-2018 in July 2018. (ii) Its presence shows the clause was copied from an imported product's datasheet. Mandating it is a foreign certification that is restrictive and discriminatory under Para 10(e) of the PPP-MII Order, 2017, and in effect confines competition to products of one country of origin. (iii) EMC of UPS is fully addressed by IEC 62040-2, which the clause already lists.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

965	Energy star – As per UL approved	Q.34: Delete. Justification: (i) ENERGY STAR is a voluntary labelling programme of the US Environmental Protection Agency. UPS are certified under it only through EPA-recognised certification bodies for the US market; UL is one such US body. The programme has no legal or regulatory standing in India, where energy labelling is administered by BEE under the Energy Conservation Act, 2001. (ii) "As per UL approved" is not a measurable technical requirement. (iii) As a foreign certification it falls under Para 10(e) of the PPP-MII Order, 2017.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
966	Switching system shall have minimum 65K MAC Addresses and 1K VLANs. – 9AH/12V	Q.37: Correct the parameter to "Battery rating" and change the value to: "12 V SMF VRLA (IS 15549); Ah rating as per OEM design to meet the backup at Sl. 14." Justification: (i) The parameter text ("Switching system shall have minimum 65K MAC Addresses and 1K VLANs") belongs to a network-switch specification and has been pasted here in error; the clause cannot be evaluated as written. (ii) "9 Ah/12 V" is the internal battery of a particular standard-backup model. The Ah rating must follow from the required backup, not be fixed independently: 4 × 12 V × 9 Ah (432 VAH) cannot give the 30 minutes at full load stated in BOQ Sl. 71 and in the Annexure index. (iii) Fixing Ah, DC bus voltage and number of batteries together (Sl. 10, 11, 13) describes one product. Specifying the backup time instead is generic and serves OIL's purpose.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
967	DC bus voltage – 48vdc,	Q.38: Delete. Battery/DC bus voltage should be as per OEM design. Justification: (i) The battery bus voltage is an internal topology choice. 2 kVA online UPS are built with 36, 48, 72 or 96 V battery buses, and a higher bus voltage actually reduces battery current, cable size and losses. (ii) What matters to OIL – backup time, battery quality and output performance – is specified elsewhere. Fixing 48 V restricts the offer to one product family (Para 10(e) of the PPP-MII Order, 2017).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
968	Number of Batteries – 4nos,	Q.39: Delete. Number of batteries as per OEM design, to achieve the backup at Sl. 14; VAH calculation to be submitted. Justification: (i) The number of batteries follows from the DC bus voltage and the backup required; fixing it independently is design-specific (see the queries on Sl. 10 and 11). (ii) Four 12 V blocks is the configuration of a particular model; long-backup 2 kVA models commonly use 6 or 8 blocks. Specifying the backup, with a common sizing basis, ensures equal battery capacity in all offers. (iii) Battery performance should be evaluated on achieved backup time and rated capacity rather than block count alone.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
969	Back up time – 1 hr on IT load (2 pc)	Q.40: Please align with BOQ Sl. 71 and the Annexure index (both "30 min backup"): "Backup time: 30 minutes at full rated load of 1600 W, end-cell voltage 1.75 V/cell, at 27 °C." If 60 minutes is intended instead, please state the load in watts. Justification: (i) The tender is internally inconsistent: BOQ Sl. 71 and the Annexure index describe the item as "Online UPS 2 KVA with half hrs. backup"/"2KVA Online UPS with 30 mins backup", while Sl. 14 says "1 hr on IT load (2 pc)". (ii) "IT load (2 pc)" is undefined: a PC with monitor may draw anything from about 60 W to over 500 W, so the battery required can differ several-fold between bidders and the price bids will not be comparable. (iii) A backup time at a stated load in watts, with a stated end-cell voltage, is the only objective basis for battery sizing and for verification at acceptance.	As per the terms and conditions of the tender.
970	I/p Over voltage protection/Over temp protection/EMI/RFI – Inbuilt OVCD provided/Thermistor provided for over temp protection/Inbuilt I/P and O/P EMI filter board provided	Q.41: Specify the protection functions only – input over-voltage protection, over-temperature protection, input and output EMI/RFI filtering – with the implementation (device type, sensor type, separate board or integrated) as per OEM design. Justification: (i) The clauses prescribe particular components ("OVCD", "thermistor", "EMI filter board") rather than functions. Equivalent or better protection is achieved by other means – for example, digital temperature sensors monitored by the DSP, or EMI filters integrated on the power board. (ii) Component-level prescriptions describe one design and give grounds for rejecting equally safe products. EMC performance is in any case verified against IEC 62040-2.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

971	Operating Temperature – 0-50deg	Q.42: "0 °C to 40 °C at full load; up to 45 °C with derating, as per Sl. 40." Justification: (i) The clause contradicts Sl. 40 of the same specification, which tests the UPS at 0–40 °C at full load and at 40–45 °C with 80% derating. A UPS tested only up to 45 °C with derating cannot be required to operate at 50 °C. (ii) 0–40 °C is the normal operating range for UPS under IEC 62040-3. (iii) 13 of the 16 units are installed in the porta cabins at drilling rigs, which are air-conditioned (Annexure 2.3.14, Sl. 8: panel-mounted air conditioner), so the UPS will not see high ambient temperatures. (iv) VRLA battery life roughly halves for every 8–10 °C above 25 °C, so the operating environment has to be kept cool for the battery in any case.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
972	Dimensions (D X W X H) in MM – 388 X 190X 318. Weight 26kg,	Q.43: Delete dimensions and weight. As per OEM design, to be declared in the bid. Justification: (i) Dimensions and weight follow from each OEM's design and battery configuration; they are not performance requirements. (ii) The exact figures (388 × 190 × 318 mm, 26 kg) identify a single model, which Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) They are also inconsistent with the backup requirement: a unit of that size and weight carries only a small internal battery that cannot give 30 minutes at full load (see the query on Sl. 10).	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
973	EMC Directives – EN IEC 61000-3-2:2019/A1:2021	Q.47: Delete. Harmonic emission is covered by IEC 62040-2 (which invokes IEC 61000-3-2 as applicable) and by the input PF > 0.99 already specified at Sl. 5; Justification: (i) "EN" standards with amendment years are the European harmonised versions cited in a manufacturer's EU Declaration of Conformity for CE marking under the EMC Directive 2014/30/EU; this list is copied from one such declaration. (ii) They have no legal standing in India and can be satisfied only by products certified for the EU market – a foreign certification that Para 10(e) of the PPP-MII Order, 2017 terms restrictive and discriminatory. (iii) The technical intent – limiting harmonic current – is already met by the active-PFC input (Sl. 5, PF > 0.99) and by IEC 62040-2, the product EMC standard for UPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
974	EMC Directives – EN 61000-3-3:2013/A1: 2019	Q.48: Delete; covered by IEC 62040-2. Justification: EN 61000-3-3 limits voltage fluctuation and flicker caused by equipment up to 16 A per phase. It is invoked through IEC 62040-2 as applicable; citing the EN version separately, with amendment year, is again the EU CE route (see the query on EN 61000-3-2). A double-conversion UPS with active PFC draws a steady, sinusoidal current, so flicker emission is not a practical concern.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
975	EMC Directives – EN 61000-4-6:2014	Q.49: Delete; covered by IEC 62040-2. Justification: EN 61000-4-6 is a basic test method (immunity to conducted RF disturbances), not a product standard. The applicable immunity tests and levels for UPS are selected by the product standard IEC 62040-2. Citing the basic standard separately in its EN version adds no requirement beyond IEC 62040-2, but makes EU certification a pre-condition.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
976	EMC Directives – EN 61000-4-8: 2010	Q.50: Delete; covered by IEC 62040-2. Justification: EN 61000-4-8 is the basic test method for immunity to power-frequency magnetic fields. As with EN 61000-4-6, the applicable level for UPS is set by IEC 62040-2; citing the EN basic standard separately adds nothing technically and serves only to require EU (CE) documentation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
977	EMC Directives – EN61000-2-2:2002	Q.51: Delete. Justification: IEC/EN 61000-2-2 is not a product or test standard at all. It defines the compatibility levels – the disturbance levels to be expected – in public low-voltage supply networks, i.e. a characteristic of the supply system. A product cannot be tested or certified "to" IEC 61000-2-2 and no laboratory issues such a report, so the clause cannot be complied with by any bidder.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

978	EMC Directives – EN61000-4-11:2004	Q.52: Delete; covered by IEC 62040-2 and the performance tests of IEC 62040-3. Justification: (i) EN 61000-4-11 tests immunity to voltage dips and short interruptions. Riding through dips and interruptions is the primary function of an online UPS, and this performance is verified directly under IEC 62040-3; the specification already requires true online double conversion (Sl. 2) and IEC 62040-3 Classification 1 (Sl. 23). (ii) The 2004 edition cited has been superseded (current edition 2020), confirming that the list is copied from an older EU Declaration of Conformity.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
979		Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, ENERGY STAR or other foreign standards or certifications, compliance with the equivalent IEC standard or Indian Standard (IS 16242 series, BIS registration), demonstrated through test reports from NABL-accredited laboratories, shall be accepted. Justification: The PPP-MII Order, 2017 is applicable to this tender vide BEC Clause 9.2 ("as amended time to time"). Para 10(e) of the Order (as revised on 19.07.2024) states: "Specifying foreign certifications/ unreasonable technical specifications/ brands/ models in the bid document is restrictive and discriminatory practice against local suppliers", and permits foreign certification only with the written approval of the Secretary of the Department concerned where Indian Standards are not available. Para 10A provides for inquiry where such conditions are included in bid documents. Indian Standards (IS 16242 series) and BIS registration exist for UPS.	Wherever the UPS specifications (Annexures 2.1.30, 2.1.31 and 2.1.32) refer to EN, CE, UL, Energy Star or other foreign standards/certifications, compliance to the equivalent IEC standard or Indian Standard (IS 16242 series/BIS registration), demonstrated through test reports from a NABL-accredited laboratory, shall be accepted.
980		Parameters that describe a particular OEM's design rather than a functional requirement – dimensions, weight, colour, cable entry, number of batteries, DC bus voltage, event-log depth, component types – shall be treated as "as per OEM design" and shall not be a ground for technical rejection, provided the functional performance, backup time and safety requirements are met. Justification: Clause 7.5 of the Forwarding Letter and the note under BEC state that no exception/deviation will be accepted after the pre-bid conference and that non-conforming bids will be rejected outright. Several UPS clauses are copied verbatim from specific manufacturers' datasheets – footnote markers "(1)" and "(2)", a Chinese telecom standard, a network-switch parameter under "Battery Parameters". Unless such descriptive values are expressly relaxed now, every bidder other than the source OEM will be non-compliant on some trivial parameter, defeating competitive bidding.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
981	Brightness > 800 Nits	Request to consider brightness > 700 Nits Justification: For indoor control room applications, image uniformity, colour accuracy, grayscale performance and operator comfort are more important than peak brightness.800 Nits is specific to one OEM. Request to consider brightness 700 Nits or better for competitive bidding	As per the terms and conditions of the tender.
982	Not mentioned - To Include for Video wall operations	Request to add External Controller - Controller should be Min 32 GB RAM Along with 480 GB SSD Based on 12 Core Intel Xeon with Windows 11 Along with Nvdia Graphic card of 12GPU With IP Streaming decoding along with H.264, MPEG2/4, MxPEG, MJPEG, V2D, H.263, VNC .Controller should be of same make of Video wall display for better integration Justification: This is required for video wall to run 24x7 operations wherein Video wall display , Controller should be from same make in order to avoid interpretability issues	As per the terms and conditions of the tender.
983	OEM must have service centre in state for minimum 3 years	Request to consider OEM Service Centre in India along with Engineer being posted in same state Justification: This will allow wider participation & competitive bidding to happen	As per the terms and conditions of the tender.
984	OEM should have implemented minimum 200+ Indoor LED Video Wall installations	Request to mention OEM should have implemented minimum 200+ Indoor LED Tiles Justification: This will allow competitive bidding to happen as active LED Experience should be counted for control room rather than commercial experiences	As per the terms and conditions of the tender.
985	CE, FCC, UL & BIS Certification	Request to consider BIS for Video wall display under make in India Justification: Will allow wider participation	As per the terms and conditions of the tender.

ANNEXURE-I

986	Power Consumption 350 W/m² or Less	Request authority to amend the specification to 600 W/m² (Maximum Power Consumption) and ≤250 W/m² Typical Power Consumption, or as per OEM standard. Justification: The requirement of 350 W/m² maximum is difficult to achieve while maintaining required brightness levels. Most reputed OEMs specify 550–650 W/m² maximum with substantially lower typical operating consumption.	As per the terms and conditions of the tender.
987	3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 94,09,61,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs. 58,81,00,500.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 47,04,81,500.00. OR II) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of flame-proof/ex-proof, outdoor weatherproof CCTV, along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of Flame-Proof/Ex-Proof, Outdoor Weatherproof CCTV Cameras.'	3.1 EXPERIENCE CRITERIA: The Bidder must meet either experience criterion I) or II), and must also meet experience criterion III) below: I) The Bidder must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, meeting any one of the following criteria: a) One completed similar work each costing not less than the amount equal to Rs. 60,00,00,000.00; OR b) Two completed similar works each costing not less than the amount equal to Rs. 50,00,00,000.00; OR c) Three completed similar works each costing not less than the amount equal to Rs. 40,00,00,000.00. OR II) The Bidder or OEM must have successfully executed/completed the 'SIMILAR WORK' over the last Seven (07) years reckoned from the Original Bid Closing Date in Central/State Government/PSUs/Nationalised Banks/Public Limited Company, under not more than 03 contracts, comprising of the followings: a) A minimum of 950 Outdoor CCTV Cameras; b) A minimum of 150 Flame-Proof CCTV Cameras (Bullet and PTZ); c) Video Analytics for a minimum of 250 CCTV Cameras; and d) A Centralized Control and Command Centre for monitoring and managing at least 950 CCTV Cameras. III) The Bidder must have experience in 'supply, installation & commissioning of "IP CCTV surveillance Cameras, VMS, VA and ICCC", along with at least 01 year of operation and maintenance services' under a single contract during the last Seven (07) years reckoned from the Original Bid Closing Date, in Central/State Government Departments, PSUs, Nationalised Banks, or Public Limited Companies. Note: 'SIMILAR WORK' as mentioned in Clause Nos. 3.1 means: 'Supply, Installation & Commissioning of "IP CCTV surveillance Cameras, VMS, VA and ICCC".' Justification: Bidders having experience in IP CCTV surveillance systems, VMS, VA and ICCC may also have the capability and experience to execute Flame-Proof/Ex-Proof CCTV projects, wherever required. So, kindly request you to revise the clause as mentioned above and ensure the wider participation while allowing technically capable and experienced bidders to participate	As per the terms and conditions of the tender.
988		We kindly request permission to allow consortium partners to participate.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
989	The OEM must be certified for CMMI Maturity Level 3 and shall submit a valid certificate as documentary evidence in support thereof	Mandatory CMMI Maturity Level 3 certification may restrict participation of technically capable and experienced OEMs, the clause may be relaxed to enable wider participation of qualified and experienced OEMs and ensure healthy competition	As per the terms and conditions of the tender.
990	The OEM must submit a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency	Mandatory Vulnerability Assessment and Penetration Testing (VAPT) Certificate may restrict participation of technically capable and experienced OEMs, the clause may be relaxed to enable wider participation of qualified and experienced OEMs and ensure healthy competition	As per the terms and conditions of the tender.

991	The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 10 years. Documentary evidence, clearly indicating the requisite experience must be submitted along with the bid	The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 05 years. Documentary evidence, clearly indicating the requisite experience must be submitted along with the bid Justification: The minimum experience requirement is proposed to be reduced from 10 years to 5 years to allow participation of technically capable and experienced VMS OEMs. A 5-year experience requirement is considered adequate to establish the OEM's experience in VMS solutions and will enable wider participation and healthy competition.	As per the terms and conditions of the tender.
992	The VMS OEM must possess the following certifications/compliances: iii) FIPS 140-2 compliant mode: The VMS has the ability to operate in a FIPS 140-2 compliant mode. iv) A valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate, issued by an agency empanelled by CERTIn.	Mandatory FIPS 140-2 compliant mode, Vulnerability Assessment and Penetration Testing (VAPT) Certificate may restrict participation of technically capable and experienced OEMs, the clause may be relaxed to enable wider participation of qualified and experienced OEMs and ensure healthy competition	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
993	1. The Switch OEM must have a minimum global installed base of 10,000 Network Switches as on the original bid closing date. Relevant documents establishing the same must be submitted with the bid.	1. The Switch OEM must have a minimum global installed base of 5,000 Network Switches as on the original bid closing date. Relevant documents establishing the same must be submitted with the bid. Justification: The installed base requirement is proposed to be reduced from 10,000 to 5,000 Network Switches to allow more experienced and capable OEMs to participate. This will ensure wider participation and healthy competition while maintaining the required technical experience	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
994	a. Behavioural Analytics 1:Detects if the Security Guard is sleeping on duty Detects security guard while sleeping/ not adhering check protocols	Kindly clarify the intended detection methodology for "Guard Sleeping". If the security guard is seated and remains inactive with no significant movement in his posture for a predefined duration, should the system detect this condition as "Guard Sleeping" and generate an alert. Kindly clarify if our understanding is correct.	The detection methodology for 'Guard Sleeping' (posture recognition, inactivity duration and alert conditions) shall be finalized during the design phase in consultation with OIL.
995	b. Behavioural Analytics 2: Checks if the Security Guard adheres to the vehicle and person check protocol Detects security guard while sleeping/ not adhering check protocols	For "Security Guard adheres to vehicle and person check protocol." Please specify the exact activities/actions that need to be monitored and detected by the Behaviour Analytics system	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
996	Access Control: Detects if a gate is left open Gate left open after a certain threshold	As per our understanding, the requirement "Gate left open after a certain threshold" pertains to the Access Control System & not comes under VA scope. Kindly clarify whether our understanding is correct.	'Gate Left Open' is a VA use case. The system shall detect a gate remaining open beyond a predefined/configurable time threshold and generate an alert accordingly.
997	a. Working at Heights Without Harness: Identify workers at heights without safety harness Detects workers at height without safety harness	As per our understanding, the requirement "Detects workers at height without safety harness" refers to safety harness detection through Video Analytics. Kindly confirm whether our understanding is correct.	The proposed Video Analytics solution shall identify a person working at height without the required safety harness/PPE. The trigger event shall be the detection of a person within the designated working-at-height zone without the required safety harness, upon which the system shall generate an alert. The applicable zone, detection parameters and configuration shall be defined/configured based on site conditions and the proposed solution.
998	The OEM must submit a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency.	We kindly request the authority to amend this clause to accept either a valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In	As per the terms and conditions of the tender.

		empanelled agency, so as to enable wider participation of qualified OEMs. Proposed Amendment: The OEM must submit either a valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency.	
999	The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 10 years. Documentary evidence, clearly indicating the requisite experience must be submitted along with the bid.	We kindly request the authority to amend the above clause by reducing the minimum experience requirement from 3 years, in order to facilitate wider participation of qualified and technically competent VMS OEMs. Proposed Amendment: The OEM of the VMS must have been engaged in the manufacturing of VMS solutions for a minimum period of 3 years. Documentary evidence, clearly indicating the requisite experience, must be submitted along with the bid."	As per the terms and conditions of the tender.
1000	The VMS OEM must have supplied a minimum of 10,000 IP CCTV camera licences cumulatively in 3 CCTV surveillance system projects, either directly by the OEM or through a Syste m Integrator (SI), over the last 07 years reckoned from the original bid closing date. Copy of the relevant purchase order/work order must be submitted along with the bid as documentary evidence.	We kindly request the authority to amend the clause to consider minimum 8 CCTV surveillance system projects over the last 07 years, while retaining the cumulative requirement of 10,000 IP CCTV camera licences. This will enable wider participation of qualified and experienced VMS OEMs with proven capabilities in executing multiple large-scale CCTV surveillance projects. Proposed Amendment: The VMS OEM must have supplied a minimum of 10,000 IP CCTV camera licences cumulatively in minimum 8 CCTV surveillance system projects, either directly by the OEM or through a System Integrator (SI), over the last 07 years reckoned from the original bid closing date. Copy of the relevant purchase order/work order must be submitted along with the bid as documentary evidence.	As per the terms and conditions of the tender.
1001	To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras or the OEM of the Video Analytics solution proposed under the tender. An undertaking from the OEM conforming the same must be submitted with the bid.	For future scalability and integration with existing cameras, the Video Analytics (VA) software must be from the same VMS solution provider. Therefore, we request you to amend the clause as mentioned below: “To ensure scalability, seamless integration, and a single point of support, the VMS and VA solutions must be from the same OEM. An undertaking from the OEM confirming the same must be submitted along with the bid.”	As per the terms and conditions of the tender.
1002	The VMS shall integrate cameras using dedicated driver or using the industry standards ONVIF Profile S, T, M and Profile G. The same must be listed on the ONVIF website. VMS thick client should be listed on Onvif.org website under conformant products and should be updated with versions for at least the preceding 03 years reckoned from the original bid closing date. An undertaking from the OEM conforming the same must be submitted with the bid.	There is no relevance of VMS functionality to the ONVIF membership level or duration. ONVIF membership does not affect the functionality of the VMS software. Therefore, we request you to remove the 3-year restriction on ONVIF membership and amend the clause as mentioned below: “The VMS shall integrate cameras using dedicated drivers or industry-standard ONVIF Profiles S, T, M, and G. The same must be listed on the ONVIF website." The VMS thick client should be listed on the ONVIF website (ONVIF.org) under conformant products. An undertaking from the OEM confirming the same must be submitted along with the bid.	As per the terms and conditions of the tender.
1003	iii) FIPS 140-2 compliant mode: The VMS has the ability to operate in a FIPS 140-2 compliant mode.	FIPS 140-2 is a U.S.-based standard for the validation of cryptographic modules. We kindly request the authority to consider STQC certification or other applicable Government of India cybersecurity certification as an equivalent compliance option. Accepting such equivalent Indian certifications will encourage wider participation of indigenous OEMs while ensuring that the required cybersecurity and security standards are adequately addressed. Proposed Amendment:	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

		The VMS shall have the ability to operate in Government of India-approved cybersecurity compliance/certification, such as STQC certificate .	
1004	iv) A valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate, issued by an agency empanelled by CERT-In.	We kindly request the authority to amend this clause to accept either a valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate issued by a CERT-In empanelled agency, so as to enable wider participation of qualified OEMs. Proposed Amendment: A valid STQC Certificate or a valid Vulnerability Assessment and Penetration Testing (VAPT) Certificate, issued by an agency empanelled by CERT-In.	As per the terms and conditions of the tender.
1005	• Behavioural Analytics: Guard Sleeping Detection: Identifies if a security guard is asleep while on duty.	Kindly clarify the intended detection methodology for "Guard Sleeping". If the security guard is seated and remains inactive with no significant movement in his posture for a predefined duration, should the system detect this condition as "Guard sleeping" and generate an alert. Kindly clarify if our understanding is correct.	The detection methodology for 'Guard Sleeping' (posture recognition, inactivity duration and alert conditions) shall be finalized during the design phase in consultation with OIL based on site requirements.
1006	• Behavioural Analytics: Protocol Compliance: Checks whether a security guard is following standard protocols for vehicle/person checks.	For "Security Guard adheres to vehicle and person check protocol." Please specify the exact activities/actions that need to be monitored and detected by the Behaviour Analytics system	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
1007	• Access Control Monitoring: Detects and alerts if a gate or access point is left open unintentionally.	As per our understanding, the requirement "Gate left open after a certain threshold" pertains to the Access Control System & not comes under VA scope. Kindly clarify whether our understanding is correct.	'Gate Left Open' is a VA use case. The system shall detect a gate remaining open beyond a predefined/configurable time threshold and generate an alert accordingly.
1008	• Working at Heights Without Harness: Identify workers at heights without safety harness .	As per our understanding, the requirement "Detects workers at height without safety harness" refers to safety harness detection through Video Analytics. Kindly confirm whether our understanding is correct.	The proposed Video Analytics solution shall identify a person working at height without the required safety harness/PPE. The trigger event shall be the detection of a person within the designated working-at-height zone without the required safety harness, upon which the system shall generate an alert. The applicable zone, detection parameters and configuration shall be defined/configured based on site conditions and the proposed solution.
1009	• Operates seamlessly on both Fixed and PTZ cameras.	As Video Analytics requires a stable and consistent Field of View (FOV) for reliable detection and alert generation, analytics performance may be affected when a PTZ camera continuously changes its FOV through panning, tilting, or zooming. Therefore , If the PTZ camera FOV is not required to remain fixed during the analytics operation, we kindly request the authority to remove the reference to PTZ cameras from the above clause to ensure technical feasibility and reliable VA performance. Proposed Amendment: The VA system shall operate seamlessly on Fixed Cameras with a stable and fixed Field of View (FOV).	For PTZ cameras, Video Analytics shall operate in preset mode to maintain a stable Field of View; bidders shall configure the PTZ cameras to run VA on defined presets. The specific VA use cases and presets for PTZ cameras shall be finalized during the design/implementation phase in consultation with OIL and the appointed Consultant.
1010	To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras or the OEM of the Video Analytics solution proposed under the tender. An undertaking from the OEM conforming the same must be submitted with the bid.	To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras. The VMS and Video Analytics solution proposed under the tender should be from the same OEM. An undertaking from the OEM conforming the same must be submitted with the bid. Justification by Bidder: For better accuracy, integration and operational easiness of VA usecases	As per the terms and conditions of the tender.

		there should be tight integration between VMS and VA therefore request you to allow VMS and VA of same make.	
1011	Video Analytics (VA)	As per our understanding, for 17 LPU based locations only fire and smoke, PPE Kit and Behavioral Analytics 2 are required. Rest all analytics would be run centrally including these 17 locations. Pls confirm if understanding is correct.	At the 17 LPU locations, Fire & Smoke Detection, PPE Kit Detection, Behavioural Analytics 2 and other VA use cases, as per requirements, shall run on the LPUs (minimum 04 VA use cases, of which 03 are defined and 01 shall be decided during the design phase). As per the tender, a maximum of 04 analytics per camera can be executed at a time, and the licences shall be in floating mode.
1012	Behavioral Analytics 2: Checks if the Security Guard adheres to the vehicle and person check protocol	Request you to clarify in details regarding the "vehicle and person check protocol" to analyse VA use case properly	OIL has its own defined security protocols for vehicle and person checking. For the use case 'Security Guard adheres to vehicle and person check protocol', the Behaviour Analytics system shall be capable of detecting the presence of the security guard and the vehicle/person within the same camera frame and monitoring their interaction/proximity during the checking process; proximity/distance thresholds, dwell time and other detection parameters may be configured based on the proposed analytics solution and site conditions.
1013	Access Control: Detects if a gate is left open.	Request you to clarify whether this is video based analysis or ACS system integration	'Gate Left Open' is a VA use case. The system shall detect a gate remaining open beyond a predefined/configurable time threshold and generate an alert accordingly. The final deployment approach at each site shall be finalized during the design phase in consultation with OIL and the appointed Consultant.
1014	No. of Cores required	Core requirement may vary OEM to OEM therefore RFP should not restrict application of core usage and OEM's should be free to propose best possible core combination.	Bidders are free to propose their own solution with the required core specifications. However, all items and requirements explicitly mentioned in the tender shall be supplied as stated.
1015	Each site (Viewing Stations) will have 10TB of storage to maintain 90 days of recording locally at all locations.	Request you to clarify whether this storage is for exported archive video or required for any other application.	The 10 TB HDD is for local recording at the viewing stations/RIG systems as specified; archiving of RIG data is not required.
1016	The system will run on hardware capable of supporting a total of 870 cameras at the Server Site (CCC), 130 cameras at Remote Sites, and 250 cameras assigned to DRIVE.	Request you to clarify meaning of DRIVE	DRIVE is a project of OIL covering 250 cameras.
1017	Storage: 512 GB NVMe SSD,	Request you to increase storage of LPU upto 2 TB so that in case of network disconnection a longer duration video and metadata can be stored at edge	As per the terms and conditions of the tender.
1018	Web Server	Request you to clarify whether this is part of VMS server stack or any other application.	Yes, the Web Server is part of the VMS stack.
1019	The management server shall provide a resilient system solution based on Windows Server Clustering to secure maximum uptime.	Clustering native to application are more reliable than windows server clustering, therefore request you to modify this clause as below: -"The management server shall provide a resilient system solution based on Clustering native to application to secure maximum uptime. There should be no windows clustering allowed."	As per the terms and conditions of the tender.
1020	Should support multiple languages including English & Hindi language	This is specific to OEM, English language is acceptable across industry therefore request you to remove this clause.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1021	Recording server instance should be 64-bit architecture based with throughput of over 2.8 Gbps per Recording Server Instance.	This clause contradicts Server specifications mentioned on page 10 of 52. Request you to clarify which one to consider.	Throughput of 2.8 Gbps or higher per Recording Server Instance is acceptable. The server infrastructure shall be designed and sized accordingly to accommodate this throughput or better, ensuring compliance with the tender requirements.

1022	To ensure openness, VMS, Cameras and Video Analytics may not be from the same manufacturer.	To ensure openness and interoperability, the VMS OEM shall not be the OEM of the CCTV cameras. The VMS and Video Analytics solution proposed under the tender should be from the same OEM. An undertaking from the OEM conforming the same must be submitted with the bid. Justification by Bidder: For better accuracy, integration and operational easiness of VA use cases there should be tight integration between VMS and VA therefore request you to allow VMS and VA of same make.	As per the terms and conditions of the tender.
1023	The VMS system shall support Device firmware upgrade of single and multiple devices in bulk from within the VMS Management Interface	This clause is specific to OEM and restricts other reputed OEMs. Firmware upgrade requires additional resources which are not considered in the RFP server configuration, therefore request you to delete this clause.	As per the terms and conditions of the tender.
1024	The VMS should be GDPR-ready certification covering all core VMS functions for data security.	Request you to delete this clause or mention VMS may be GDPR ready certification covering all core VMS functions for data security. Justification by Bidder: This clause is restrictive towards Indian OEMs as GDPR is a European Law that regulates how organizations collect, store, process, use, and protect personal data. GOI in it's drive for "Vocal for Local" has laid down similar laws applicable to India and STQC and several ISO codes are prepared in accordance. Asking for GDPR compliance in particular is specific towards One Single Foreign OEM and restricts reputed Indian Developers.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1025	The Dashboards in the VMS need to be widget based and each widget can be resized and positioned as per user needs. A rich selection of widgets of pre-built components or elements that can be used to build user interfaces needs to be provided.	This is specific to OEM and user interface can be different to achieve similar functionality, therefore request you to delete this clause. Justification by Bidder: For openness and fairness of Tender, kindly delete this single OEM specific clause.	As per the terms and conditions of the tender.
1026	Warranty Information of Cameras	This is specific to OEM and user interface can be different to achieve similar functionality, therefore request you to delete this clause. Justification by Bidder: For openness and fairness of Tender, kindly delete this single OEM specific clause.	As per the terms and conditions of the tender.
1027	The VMS should allow recording and reporting on warranty information of cameras. User interface that allows users to select the date on which a camera was installed. This	This is specific to OEM and user interface can be different to achieve similar functionality, therefore request you to delete this clause. Justification by Bidder: For openness and fairness of Tender, kindly delete this single OEM specific clause.	As per the terms and conditions of the tender.
1028	Licenses for Automated Number Plate Recognition (ANPR)System & Vehicle of Interest Search & Identification	LPU required for ANPR are not mentioned in BO. Request you to share bifurcation for number of ANPR to be considered per LPU	As per the terms and conditions of the tender.
1029		We kindly request you to add the below point: The proposed software OEM (providing VMS and VA solutions) should have OS and Graphics Acceleration platform partnership to ensure seamless operation of the solution. Justification by Bidder: This would enable better operation ability, accuracy and performance of the VMS & VA.	As per the terms and conditions of the tender.
1030		We request to include: "VMS & VA Software OEM has to authenticate that it meets national standards for security, performance and reliability, crucial for government tenders and digital self-reliance (Atmanirbhar Bharat) hence must be certified by India's STQC Directorate (Standardisation Testing and Quality Certification), an arm of the Ministry of Electronics & IT (MeitY)" Justification by Bidder: STQC Directorate (Standardisation Testing and Quality Certification), an arm of the Ministry of Electronics & IT (MeitY) ensures credibility and safety of IT products & software for national use.	As per the terms and conditions of the tender.

1031		We request to include: "The VMS OEM must conform to ONVIF Profiles S, G, T, and M and must be an ONVIF member at the "Full" membership level. The ONVIF website www.onvif.org has a certificate to this effect." Justification by Bidder: ONVIF Full Membership offers significant strategic advantages, including direct influence on standard development, early access to technical specifications (IP) and access to test tools, fostering interoperability while benefiting integrators and end-users with greater product choice and future-proofing their systems. 'Full members' actively participate in the organization's work, influencing standards, while other levels, like User or Observer, offer limited access or benefits without the development influence.	As per the terms and conditions of the tender.
1032	Point no.6, The OEM must have supplied a minimum of 10,000 IP cameras in India during the last 07 years reckoned from the Original Bid Closing Date. Past supply orders/completion certificates of havig supplied a minimum of 10,000 IP cameras and client certification for proof of work must be submitted with the bid.	With reference to the above eligibility requirement, we understand that the OEM is required to demonstrate supply of at least 10,000 IP cameras in India during the last 07 years from the Original Bid Closing Date. While the proposed OEM meets and exceeds this requirement, obtaining individual client certificates for all such supplies may be challenging due to client-specific documentation and data-sharing procedures and the time involved in obtaining completion certificates. To facilitate wider participation of technically capable and established OEMs, we request the Tendering Authority to kindly accept alternative documentary evidence such as Purchase Orders, supply orders and/or unpriced OEM tax invoices as proof of the required supply quantity.	In addition to client completion certificates, alternative documentary evidence such as Purchase Orders, Delivery Challans and OEM (unpriced) Tax Invoices shall be accepted as proof of supply of minimum 10,000 IP cameras in India during the last 07 years. All other terms and conditions of the clause remain unchanged.
1033	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91° Sr. No. 9 Pan/Tilt Speed: Tilt: up to 150°/s Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	Sr. No. 8 – The proposed horizontal FOV of 56°–2.4° provides better pixel density at the wide-angle position compared with 62°–2.4°, while the telephoto angle of 2.4° remains the same and therefore provides equivalent long-range zoom capability. We therefore request the Tendering Authority to consider/amend the horizontal FOV requirement from 62°–2.4° to 56°–2.4°. Sr. No. 9 – A tilt speed of 90°/sec is adequate for real-time surveillance and tracking applications, including movement to preset positions. We therefore request the Tendering Authority to amend the specified tilt speed to 90°/sec. Sr. No. 10 – A 120 dB True WDR specification is widely suitable for outdoor CCTV applications and provides sufficient capability to handle scenes with significant differences between bright and dark areas. We therefore request the Tendering Authority to consider a WDR requirement of 120 dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1034	Sr. No. Video Streaming: Min. four compressed Simultaneous Video streams @ H.265 min 25/30 FPS	Most CCTV OEMs provide three simultaneous compressed video streams, which are generally sufficient for live viewing, recording, analytics and remote monitoring. The primary, secondary and third streams are also commonly supported by VMS and NVR platforms for these respective applications. Requiring an additional fourth stream may unnecessarily restrict OEM participation without providing a significant operational benefit. Accordingly, we request the Tendering Authority to amend the requirement to a minimum of three simultaneous compressed video streams at H.265 and minimum 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1035	Sr. No.8 Field of View: Horizontal: 62°–2.4°, Vertical: 37°–1.91° Sr. No. 9 Pan/Tilt Speed: Pan: up to 150°/s, Tilt: up to 150°/s Sr. No. 10. Dynamic Range: Super/Wide Dynamic 130 dB	Sr. No. 8 – A horizontal FOV of 56°–2.4° provides higher pixel density at the wide-angle position compared with 62°–2.4°, while the 2.4° telephoto position remains unchanged and therefore provides equivalent long-range zoom capability. We request the Tendering Authority to amend the horizontal FOV requirement from 62°–2.4° to 56°–2.4°. Sr. No. 9 – A tilt speed of 90°/sec is adequate for real-time surveillance, tracking and movement to preset positions. We therefore request the Tendering Authority to amend the tilt speed requirement to 90°/sec. Sr. No. 10 – 120 dB True WDR is adequate for outdoor CCTV applications and provides sufficient performance in high-contrast lighting conditions. We therefore request the Tendering Authority to consider a WDR requirement of 120 dB.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

1036	Sr. No. 14 :Video Streaming: Min. four compressed Simultaneous Video streams at H.265 min 25/30 FPS	Most CCTV OEMs provide three simultaneous compressed video streams, which are adequate for live viewing, recording, analytics and remote monitoring. Standard VMS and NVR platforms commonly support the primary, secondary and third streams for these applications. Therefore, specifying a fourth stream may unnecessarily limit OEM participation. We request the Tendering Authority to amend the requirement to a minimum of three simultaneous compressed video streams at H.265 and minimum 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1037	Sr. No. 5: IR LED Range: Up to 180 meters (PoE/POE++/12VDC)	For 5 MP bullet cameras, 4.7–47 mm or 5–50 mm lenses are commonly used for medium- to long-range surveillance. These lenses provide approximately 10x optical zoom, and a 100 m IR illumination range is generally adequate when aligned with the intended coverage distance and target area. We therefore request the Tendering Authority to consider an IR illumination range of 100 meters for the specified bullet camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1038	Sr. No. 8: Horizontal: 56°–7°, Vertical: 34°–5.2°	For 5 MP bullet cameras, OEMs commonly offer 4.7–47 mm or 5–50 mm lenses, with the horizontal FOV varying among manufacturers. Typical configurations may provide approximately 47° at the wide end and around 7.3° at the tele end. To allow wider OEM participation while maintaining the required surveillance functionality, we request the Tendering Authority to amend the horizontal FOV requirement to 47° at the wide end.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1039	Sr. No. 16: Privacy Masking: Up to 8 zones	Considering typical surveillance applications, 5 privacy-mask zones are generally adequate for a bullet camera to mask fixed areas such as windows, restricted zones or other privacy-sensitive locations. Increasing the requirement from 5 to 8 zones does not generally provide a significant operational advantage and may unnecessarily restrict OEM participation. We therefore request the Tendering Authority to amend the requirement from 8 privacy-mask zones to 5 privacy-mask zones.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1040	Sr. no. 5. IR LED Range: 55 meters	Typically, 5 MP dome cameras with the specified lens configuration are available with built-in IR illumination of up to approximately 50 meters. For longer distances, particularly in complete darkness, the practical coverage of a dome camera may be limited by the lens and application conditions. As the 50-meter IR range is a commonly available configuration across OEMs, we request the Tendering Authority to amend the IR LED range requirement to 50 meters.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1041	Sr. No. 9: Field of View- Horizontal: 103°–33°, Vertical:73°–30°	For 5 MP dome cameras, OEMs commonly offer 2.9–9 mm or 2.8–12 mm lenses, with the horizontal FOV varying by manufacturer. A typical configuration provides approximately 100° at the wide end and 33° at the tele end. To enable wider OEM participation, we request the Tendering Authority to amend the horizontal FOV requirement to 100° at the wide end.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1042	Sr. No. 20: Privacy Masking- Up to 8 zones	Considering typical fixed-camera applications, 5 privacy-mask zones are generally sufficient to cover areas such as windows, restricted zones and other privacy-sensitive portions of the field of view. Requiring 8 zones may unnecessarily restrict OEM participation without providing a significant additional operational benefit. We therefore request the Tendering Authority to amend the requirement from 8 privacy-mask zones to 5 privacy-mask zones for the dome camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1043	Sr. No. 25: Operating Temperature: -40°C to +60°C	We request the Tendering Authority to consider an operating temperature range starting from -30°C instead of -40°C. An operating range down to -40°C is not commonly available across a broad range of CCTV OEM products, and allowing -30°C would facilitate wider participation by technically suitable OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1044	Sr. No.4 : Lens Type: Motorized (e.g., 2.7 mm - 13.5mm/5mm- 50mm)	The focal length of cameras may vary slightly between OEMs depending on the sensor size, resolution and optical design. Since the tender already provides a similar tolerance for the 5 MP bullet camera, we request the Tendering Authority to allow a tolerance of +1 mm for the specified focal length of the 4 MP FLP camera.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

ANNEXURE-I

1045	Sr. No. 15: Onboard Storage- Min. 1 TB	We request the Tendering Authority to amend the onboard storage requirement to 256 GB. A 1 TB onboard storage capacity is generally not available in flameproof/explosion-proof camera configurations from most CCTV OEMs. Allowing 256 GB would facilitate participation of technically compliant OEMs without materially affecting the intended application.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1046	Sr. No.9: Lens Focal Length- 4.5 mm to 135 mm	The focal length may vary slightly between OEMs depending on the image sensor, resolution and optical design. A tolerance of +1 mm would allow technically equivalent products to qualify without affecting the intended surveillance performance. The same tolerance has already been considered in the technical specification for the 5 MP PTZ cameras for Township and Rigs. We therefore request the Tendering Authority to allow a tolerance of +1 mm for the specified focal length.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1047	Sr. no. 10: Field of View- Horizontal: 60°–2.3°, Vertical: 35°–1.3°	A horizontal FOV of 56°–2.3° provides higher pixel density at the wide-angle position compared with 60°–2.3°, while the 2.3° telephoto position remains unchanged and therefore provides equivalent long-range zoom capability. We therefore request the Tendering Authority to amend the horizontal FOV requirement from 60°–2.3° to 56°–2.3°.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1048	Sr. No. 13: Video Streaming: Min. four compressed Simultaneous Video streams at min 25/30 FPS	Most CCTV OEMs provide three simultaneous compressed video streams, which are generally adequate for live viewing, recording, analytics and remote monitoring. Standard VMS and NVR platforms commonly support primary, secondary and third streams for these applications. Requiring a fourth stream may unnecessarily restrict OEM participation. We therefore request the Tendering Authority to amend the requirement to a minimum of three simultaneous compressed video streams at H.265 and minimum 25/30 FPS.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1049	Sr. no. AI Analytics Support: Queuing, Crowd Gathering	Queuing and crowd-gathering analytics are generally implemented on fixed cameras rather than PTZ cameras, as fixed cameras provide a consistent field of view that is more suitable for such analytics. Requiring these analytics on a PTZ camera may unnecessarily restrict OEM participation. We therefore request the Tendering Authority to remove the requirement for queuing and crowd-gathering analytics from the 2 MP PTZ camera specification, as these functions can be effectively addressed through suitable fixed cameras.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1050	Sr. No. 8:Field of View- Horizontal: Horizontal: 117°–37°, Vertical:62°–30°	For 2 MP bullet cameras, OEMs commonly offer 2.9–9 mm or 2.8–12 mm lenses, with the horizontal FOV varying among manufacturers. Typical configurations provide approximately 86° at the wide end and around 37° at the tele end. We therefore request the Tendering Authority to amend the horizontal FOV requirement to 86° at the wide end to enable wider OEM participation.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1051	Sr. no.9: Super/Wide Dynamic, up to 140 dB	A 120 dB True WDR specification is adequate for outdoor CCTV applications and provides sufficient capability to handle scenes with significant differences between bright and dark areas. This level of WDR is widely suitable for outdoor surveillance applications. We therefore request the Tendering Authority to amend the WDR requirement to 120 db.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1052	1. The Switch OEM must have a minimum global installed base of 10,000 Network Switches as on the original bid closing date. Relevant documents establishing the same must be submitted with the bid.	1. The Switch OEM must have a minimum global installed base of 1000 Network Switches as on the original bid closing date. Relevant OEM Declaration for the same must be submitted with the bid.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1053	The switch OEM must have supplied network switches with at least one (01) year of satisfactory completion in a Government IT/ITES/Telecom project over the last seven (07) years reckoned from the original bid closing date. The project shall comprise a single work order/purchase order for a minimum of 1,000 network switches, supplied either directly by the OEM or through a System Integrator (SI)/authorized channel partner.	The switch OEM must have supplied network switches with at least one (01) year of satisfactory completion in a Government IT/ITES/Telecom project over the last 07 years reckoned from the original bid closing date. The project shall comprise a single work order/purchase order for a minimum of 150 network switches, supplied either directly by the OEM or through a System Integrator (SI)/authorized channel partner.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.

1054	Should support Access Control Lists (ACLs), DHCP snooping, IEEE802.1x based port authentication, RADIUS, TACACS, SSH, port mirroring, NTP	NTP and SNTP are both protocols used for network time synchronization. Hence, we request the authority to consider NTP/SNTP as an alternative requirement to enable wider participation from technically compliant OEMs.	Shall be reviewed. Changes, if any, shall be reflected in a subsequent corrigendum.
1055	Additional Clause	We request the authority to consider including VAPT, NEMA TS2, and IEC 61850-3 and MTCTE ER certifications in the technical specifications. These certifications are relevant to industrial Ethernet switches and help demonstrate their suitability, reliability, cybersecurity, and performance for critical infrastructure applications.	As per the terms and conditions of the tender.