

Minutes of Pre-Bid Meeting dated 25.08.2026 (GEM/2026/B/7902194)

1. Party A:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1.	BEC	BEC Clause 3.1(I) – Evaluation for Start-Ups	Clause 3.1(I) provides that DPIIT-recognised Start-ups are exempted from complying with the Annual Financial Turnover Criteria under Clause 4.1. Kindly confirm that this exemption is fully applicable to DPIIT-recognised Start-ups participating in the subject tender.	Yes, only for the Annual Financial Turnover Criteria as specified in Clause No. (I) under Notes to BEC Clause 3.1 above: of the BEC/PQC of the tender.
2.	BEC	BEC Clause 3.1(I) – Similar Work Experience	The same clause provides turnover relaxation to DPIIT-recognised Start-ups while requiring relevant Similar Work experience. Kindly clarify the basis for retaining the complete prescribed prior-experience requirement for DPIIT-recognised Start-ups while granting exemption from the historical financial turnover criterion.	No change. Please be guided by the existing clauses of the tender.
3.	BEC	BEC Clause 3.1(I) / Applicable Procurement Framework Start-up	In view of the applicable Government of India procurement framework providing for relaxation of prior experience and prior turnover for DPIIT-recognised Start-ups, kindly clarify whether the Procuring Entity has considered such relaxation for the present procurement. If the prior-experience relaxation is not being provided, kindly specify the procurement-specific justification for such non-relaxation.	No change. Please be guided by the existing clauses of the tender.
4.	BEC	BEC Clause 3.1 – Experience Criteria	Considering that the proposed solution is a technology-driven AI/video analytics solution, will OIL consider full or partial relaxation of the prescribed Similar Work experience requirement for DPIIT-recognised Start-ups, while retaining 100% compliance with all technical, functional, performance, safety and other requirements of the tender?	No change. Please be guided by the existing clauses of the tender.
5.	BEC	BEC Clause 3.1 / Technical Capability	Alternatively, will OIL permit a DPIIT-recognised Start-up to establish its technical and execution capability through technical demonstration/PoC, solution architecture, qualified technical manpower, AI/video analytics capability,	No change. Please be guided by the existing clauses of the tender.

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			computing/GPU infrastructure, integration capability, technology/OEM support, deployment methodology and performance testing, along with applicable contractual safeguards and performance security?	
6.	BEC	BEC / Technical Capability and Implementation Arrangement	Where a DPIIT-recognised Start-up proposes to execute the project with the support of an established technology/infrastructure organisation, will OIL consider the proposed implementation and technical-support arrangement as an additional means of demonstrating execution capability, without dilution of the prescribed technical, functional, performance and safety requirements?	A bidder participating as a Start-up shall be required to independently and individually comply with all the applicable requirements of the Bid Evaluation Criteria (BEC) and shall not be permitted to participate as a Joint Venture (JV) or any other form of association
7.	BEC	GeM Bid Parameters vis-à-vis BEC Clause 3.1(I)	The GeM Bid Document for GEM/2026/B/7902194 indicates "Startup Relaxation for Years of Experience and Turnover – No". However, BEC Clause 3.1(I) of the detailed tender provides exemption to DPIIT-recognised Start-ups from the Annual Financial Turnover criterion under Clause 4.1. Kindly clarify whether the Start-up exemption provided under BEC Clause 3.1(I) is operative for this tender and, if so, kindly issue the necessary corrigendum/addendum and/or amend the corresponding GeM parameter to remove the discrepancy.	Please be guided by Clause No. (I) under Notes to BEC Clause 3.1 above: of the BEC/PQC of the tender.
8.	BEC	Technical/Safety Requirements	The bidder's request for Start-up relaxation is not intended to dilute any technical, functional, performance, safety, cybersecurity, SLA or acceptance requirements prescribed in the tender. Kindly confirm whether DPIIT-recognised Start-ups may be considered under a relaxed/alternative experience criterion while being required to comply fully with the prescribed technical and performance requirements.	No change. Please be guided by the existing clauses of the tender.
9.	BEC	Clause 3.1(c) requires experience in "Supply, installation, and commissioning of AI compute infrastructure	Since the primary technical competence required for this project relates to deployment and integration of the AI Video Analytics solution, including installation, configuration, integration, commissioning and testing of the AI compute infrastructure, we request clarification on whether a bidder	No change. Please be guided by the existing clauses of the tender.

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		(GPU servers, edge devices, storage arrays)".	having successfully executed such activities in comparable projects would be considered compliant, even where the hardware was procured/supplied by the OEM or customer. The Tender itself distinguishes hardware procurement from deployment and testing, with the latter involving installation of AI software, camera-stream integration, configuration and functional testing. We therefore request that prior independent experience of physically supplying/procuring the hardware may not be made mandatory, provided the bidder demonstrates successful experience in installation, integration, commissioning and deployment of comparable AI Video Analytics solutions and associated compute infrastructure. This is also allow more bids with better experiences in the installation, integration, commissioning and deployment part festering healthy competition and competitive prices. We suggest to modify the clause to - Clause 3.1(c) Installation and commissioning of GPU servers/edge devices/storage.	
10.	BEC	Consortium	We also request OIL to consider allowing a Consortium of Companies to bid in this project since setting up a Joint Venture company in the time allowed for bidding for the tender is not enough.	Consortium is not allowed. Tender conditions shall prevail.

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2. Party B:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1.	BEC	3.0 TECHNICAL EVALUATION CRITERIA: 3.1 EXPERIENCE CRITERIA: 'The bidder must have successfully executed/completed 'SIMILAR WORK' over the last 07 (seven) years reckoned from the Original Bid Closing Date in industrial environments (such as Oil & Gas/ Petrochemical/ Refining/Power Generation/ Fertilizer/Steel/Mining & Mineral Processing/ LNG or LPG Facilities/ Offshore Hydrocarbon Installations/ Chemical Processing Plants/ Cement Manufacturing Plants or other industrial facilities involving hazardous	We request you to kindly also accept the relevant similar experience of command control work done in Transport department Uttarakhand, M.P Police, Assam Police, Delhi Transport corporation, Indian Railways through RailTel etc.	No change. Tender conditions shall prevail.

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		processes/ explosive / flammable materials/ high-pressure systems / safety critical operations.		
2.	BEC	Notes to BEC Clause 3.1 above: '(A) In support of the experience criteria under Clause No. 3.1 above, the bidder shall furnish the following documentary evidence: (a) Contract document/Letter of Intent (LOI)/Letter of Award (LOA)/Work Order/Service Order showing detailed scope of work. (ii) In case the start date of the requisite experience is prior to the preceding 07 (seven) years' period reckoned from the original bid closing date, but completion is within the preceding 07 (seven) years' period reckoned from the original bid closing date.	Kindly remove this clause and retain only Clause 3.1 under the Pre-Qualification Criteria.	No Change. Tender conditions shall prevail

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3.	EMD exemption.	We hereby confirm that we have registered under MSME-SMALL Services Category. For EMD of Rs. 46,34,900/- we can submit the UDYAM REGISTRATION CERTIFICATE as per NIT point.	Please confirm.	Please be guided by ITB Clause No. 13.0 of the subject tender.
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3. Party C:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	Scope	SOW, Sec 2 'As-Is State' (Page 2) & Sec 4.1.1 (Page 12) "While AI based video analytics is being implemented for most CCTV cameras at FHQ, the CCTV cameras at RF, installations/pump stations at PHQ and drilling rig at KGB & MBP are not equipped with AI based video analytics..." vs. "Total No of Locations and Camera: 53 Locations / 494 Cameras" + "Total No	The As-Is section states that AI-based video analytics is already being implemented for most CCTV cameras at FHQ, whereas Section 4.1.1 identifies 716 cameras across 98 locations/rigs. Kindly confirm whether the complete 716 cameras are to be considered for AI analytics licensing and deployment under this tender, irrespective of any existing AI analytics at FHQ, or whether cameras already covered by existing analytics are excluded from the Contractor's scope. If the latter, please provide the final camera-wise deployment/licensing list, identifying the cameras already covered by existing analytics and the cameras to be covered under this tender, for accurate BOQ pricing.	a)Confirmed b) No cameras excluded from AI analytics scope c) Camera details provided in the Tender. Camera-to-use-case-mapping to be confirmed during Design phase

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		of Rigs and Camera: 45 Rigs / 222 Cameras" (Total: 716 cameras across 98 locations/rigs)		
2	GeM Bid Page	GeM Bid Document, Page 1 'Bid Details' "MSE Relaxation for Years of Experience and Turnover: No" / "Startup Relaxation for Years of Experience and Turnover: No"	The GeM Bid Details page shows 'No' relaxation for MSEs and Start-ups. However, SOW BEC/PQC Clause 3.1(I) explicitly exempts DPIIT-recognised Start-ups from the Annual Turnover criterion (Clause 4.1), and Clause 8.0 grants MSE Purchase Preference. Kindly clarify which document prevails and confirm whether Start-up/MSE bidders can avail these relaxations for this tender.	For Start-Ups, please be guided by Clause No. (I) under Notes to BEC Clause 3.1 above: of the BEC/PQC of the tender.
3	BEC	SOW BEC/PQC, Clause 3.1, Page 2 "SIMILAR WORK' ... must demonstrate end-to-end capability, including: (a) Integration with existing IP-based CCTV/VMS... (b) Deployment of AI models... (c) Supply, installation and commissioning of AI compute infrastructure... (d) Edge AI processing... (e) Real-time alerting... (f) Integration of feed from multiple sources... (g) Web-based dashboard..."	Kindly confirm whether a single reference project must demonstrably cover ALL sub-elements (a) through (g) cumulatively, or whether experience can be established through multiple completed projects collectively covering these elements (e.g., one project for AI/PPE detection and a separate project for AI compute hardware supply/commissioning).	As per the existing Clause of the BEC/PQC, all sub-criteria (a) to (g) must be demonstrated cumulatively within a single reference project/contract.
4	BEC	SOW BEC/PQC, Clause 3.1(D), Page 3	Similar AI Video Analytics safety projects (including this tender itself) typically run for multi-year Design + O&M contract tenures (3-5+ years) and would still be 'ongoing' at	Please be guided by existing BEC/PQC Clauses of the subject tender.

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		"Mere award of contract(s) will not be counted towards experience. Successful completion of the awarded contract(s) to the extent of the parameter(s), as stipulated under Clause No. 3.1 will only be treated as acceptable experience."	the time of bidding. Kindly confirm whether a Partial Work Completion Certificate — confirming successful completion of the Design, Supply, Installation & Commissioning (DSIC) phase — will be accepted as valid experience for Clause 3.1, or whether only a Full/Final Job Completion Certificate for an entirely closed contract will be considered.	
5	BEC	SOW, Sec 13.0, Page 6 (Bid Security Exemption) & GeM Bid Details Page "MSEs Units (manufacturers/Service Providers only) ... are eligible for exemption of Bid Security... Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant Document/Certificate towards exemption of EMD, issued by appropriate authority."	Clause 13.0 grants EMD/Bid Security exemption only to MSEs and Government/PSU bidders; it does not explicitly mention DPIIT-recognised Start-ups. Kindly confirm: (a) Whether Start-ups are also eligible for EMD exemption (similar to the Turnover exemption granted under Clause 3.1(I)), and if so, which certificate is acceptable as proof; (b) Whether the EMD exemption for MSEs/Start-ups, if granted, also extends to the ePBG (Performance Bank Guarantee) requirement, or whether ePBG remains mandatory regardless of MSE/Start-up status.	Shall be guided by GeM GTC as specified in the tender (BEC Cause No.5.5)
6	BEC	SOW, Sec 12.1/12.6, Page 6 (Pre-Bid Conference) "A PRE-BID CONFERENCE is tentatively scheduled to be	Kindly confirm whether the Pre-Bid Conference on 25.08.2026 will be conducted physically at OIL's Corporate Office, Noida, or via Video Conferencing (VC), or both (hybrid). If VC is available, please share the VC link/dial-in details along with the confirmation of participation.	Through Physical mode only

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		held on 25.08.2026 at OIL's Corporate Office, Noida... Further, the Pre-Bid Conference may also be conducted through Video Conferencing (VC), if considered appropriate."		
7	Scope	SOW, Sec 5.2 & Sec 8.2(c), Page 13/19 "Feeds data upstream to the upcoming OIL Command & Control Centre (CCC). The contractor must provide provision for the same." / "Contractor to develop API connectors to integrate the solution with Command-and-Control Center (CCC) across PAN India."	The PAN-India CCC is described as 'upcoming' (i.e., not yet built). Please share the CCC's technical specifications, API/data interface standards, and expected commissioning timeline, so that integration effort and cost can be accurately estimated. If specifications are not finalized, please confirm how this deliverable will be evaluated/priced at the bidding stage.	The Contractor shall make the solution API-ready and develop the necessary connector provision under SOW Clauses 5.2 and 8.2(c). Since the CCC is upcoming, final interface specifications, protocol and implementation sequence will be finalized during design/implementation when the CCC interfaces are available
8	Scope	SOW, Sec 5.1 vs Sec 5.11 (NOTE), Page 13/16 "...transmission path from each Edge AI device... to the MEITY-empanelled Cloud." (Sec 5.1) vs. "The Contractor is free to offer any MeitY empanelled public cloud... The Contractor shall have to route all traffic... through	Kindly clarify the exact cloud architecture required: (a) Is the Contractor required to use its own MEITY-empanelled cloud AND route all traffic through OIL's existing Azure landing zone, or may the Contractor directly host the solution within OIL's Azure landing zone/subscription without a separate MEITY-empanelled cloud? (b) Please confirm whether OIL's Azure landing zone itself is MEITY-empanelled, or whether a distinct empanelled CSP is mandatorily required in addition to Azure. (c) Please share indicative data volume estimates for data-transmission-cost budgeting between the offered cloud and OIL's Azure landing zone.	Shall be reviewed internally

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		OIL's above-mentioned landing zone in Azure... Additional security gateway... and federation/identity service... must be factored..." (Sec 5.11 Note)		
9	Scope	SOW, Sec 4.1.1 Note, Sec 8.2 & BOQ Part III 'Future Expansion', Page 12/19/BOQ "Dismantling the Edge AI device...after completion of drilling and subsequent reassembly...will have to be done by the Contractor." / "New upcoming cameras installed during the period of the project shall be included for integration and analysis." / "It is anticipated that the number of cameras will increase during the contract duration." / BOQ Part III 'Future Expansion': PPE Compliance Detection license — 200 Nos; Fire and Smoke Detection license — 200 Nos; Unsafe Activity Detection license	(a) Please indicate the expected/average frequency of rig relocation (dismantle-reassemble cycles) per year across the 45 rigs, for accurate O&M costing. (b) The Future Expansion BOQ (Part III) provides for 200 additional licenses for each of the four analytics categories (PPE, Fire & Smoke, Unsafe Activity, Prohibited Zone) and 15 additional Edge AI devices, to be paid on actuals. Kindly confirm whether these quantities represent the maximum anticipated expansion during the contract period or only evaluation/notional quantities for bid comparison purposes, and how requirements beyond these quantities (if any) will be handled commercially.	a) Bidders can assume that a drilling rig moves every 3 months & a workover rig moves every month b) Committed growth quantities during the contract duration c) Refer to pt 6 of Payment Milestones for clarification on additional quantities

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		— 200 Nos; Prohibited Zone Monitoring license — 200 Nos; AI Processing Edge Device (up to 50 cameras) — 15 Nos, all 'considered for future expansion; to be paid on actuals'		
10	Scope	SOW, Sec 5.5(d), Page 14 "Central Aggregation Server ... Usable Storage 5-7 TB ... Recommendation only"	Please confirm whether the storage/hardware sizing given in Sec 5.5 is indicative only, or a mandatory minimum specification to be quoted against. If indicative, please confirm the Contractor may propose its own sizing based on its solution architecture, subject to meeting the stated retention periods (7-day edge / 30-day central).	Provided information is indicative. Bidder to propose
11	GeM Bid Page	GeM Bid Document, Page 1, 'Excel Upload Required' & Price Bidding Format/BOQ (all Parts) "PRICE BIDDING FORMAT_BOQ - 1786430891.xlsx" — comprising Part I (Implementation), Part II (Infrastructure), Part III (Future Expansion) and Part IV (M&S Phase), each with fixed Item Nos., UOM and Estimated Quantities	Kindly confirm whether bidders are required to quote a rate against every BOQ line item, including the Infrastructure items and Future Expansion items, or whether any BOQ items are optional/not applicable depending on the proposed architecture. In particular, please clarify how bidders should quote items where the proposed solution architecture differs from the indicative hardware/cloud architecture specified in the SOW.	Bidders are required to quote for all the items as per Price Bid Format. In case the bidder does not quote against any of the line items, the total bid value shall be considered as inclusive of the cost of the service/item.
12	BEC	SOW BEC/PQC Clause 2.0, Page 1 "The bidder must...	Please clarify the methodology for computing Local Content (LC) percentage specifically for AI-as-a-Service/software-led offerings (as opposed to pure hardware supply), and confirm whether third-party AI compute hardware (GPU	Please refer to Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India as

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		maintain more than or equal to 20% local content (LC) for the offered services..."	servers/edge devices) sourced from outside India will count towards or against the 20% LC threshold.	revised vide Order No. P45021/2/2017-PP (BE-II) dated 16th September 2020 (and as amended time to time) with modifications as notified vide MoP&NG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022
13	Scope	SOW, Sec 7.13, Page 18 (Technical Features) "The system should achieve a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under challenging environmental conditions such as rain, low-light areas, fog, or scenarios beyond the effective IR range."	Please clarify: (a) the exact methodology/protocol by which detection accuracy (90% under ideal conditions / 80% under challenging environmental conditions) will be measured, audited and by whom (OIL, Contractor, or third-party), including the evaluation dataset/ground truth, number of events/samples, and treatment of false positives and false negatives; (b) whether this is a one-time acceptance-test criterion at Go-Live or an ongoing SLA metric monitored throughout the 5-year M&S period; (c) how the stipulated confidence interval for accuracy measurement will be calculated and applied; and (d) the consequence/penalty structure, if any, in case the achieved accuracy falls short of the stipulated thresholds.	Accuracy shall be assessed independently for each applicable use case as per SoW. The methodology for measuring accuracy shall be finalized and documented during the Design stage, subject to OIL approval
14	Scope	SOW, Sec 2.1 (As-Is) & Camera Inventory Tables, Page 2-9 "...it is provided in the below-mentioned table" (multiple OEMs listed: Honeywell, Infinova, Hikvision, CP Plus, Tiandy, Dahua, Sparsh, UNV, Deep Technologies, etc., with resolutions ranging from 1MP to 5MP and	Given the wide variety of existing camera OEMs/models (Honeywell, Infinova, Hikvision, CP Plus, Tiandy, Dahua, Sparsh, etc.) with varying resolutions (1MP-5MP) and installation vintages (2019 onwards), and noting that OIL has confirmed RTSP mainstream access will be provided (Sec 8.1(b)), kindly confirm: (a) Whether the existing camera resolution, field-of-view, mounting height, and IR/low-light performance across all sites are suitable for reliably meeting the stipulated 90%/80% detection accuracy (Sec 7.13), or whether some cameras may need repositioning/upgrade; (b) Whether any of the existing cameras/NVRs are approaching end-of-life/end-of-support and may need replacement during the contract period, and	a) The Contractor shall conduct the joint site survey and submit the necessary amendments in existing Camera infrastructure required via the Assessment report. b) Existing CCTV maintenance/upgrades remain under OIL's scope; To be assessed during joint site survey

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		installation dates spanning 2019-2023)	if so, whether such replacement falls within OIL's or the Contractor's scope.	
15	Scope	SOW, Sec 16(a) Page 33 vs Sec 'M&S Terms & Conditions' Item (xxxi)/(xxxii), Page 23 Sec 16(a): "VAPT... shall be carried out: Once prior to Go-Live; and At least once every year during the contractual period." vs. M&S Item (xxxi): "Necessary VAPT to be conducted at regular intervals (6 months) mandatorily and whenever specially requested by OIL..." and Item (xxxii): "Contractor to conduct VAPT compliance check security audit every 6 months..."	The tender contains conflicting VAPT frequency requirements. Section 16(a) specifies VAPT once prior to Go-Live and at least once every year during the contract period, whereas the Maintenance & Support Terms & Conditions (Items xxxi and xxxii) specify VAPT/security audit every 6 months, in addition to whenever specifically requested by OIL. Kindly clarify the applicable VAPT frequency to be quoted for — annual or half-yearly — and confirm whether the cost of engaging the CERT-In empanelled agency (for each such VAPT cycle over the ~5-year 8-month contract) and remediation of identified vulnerabilities is to be included in the Contractor's quoted price.	The Contractor shall engage a CERT-In empanelled agency and bear all VAPT, remediation and closure costs. For consistency with the specific recurring M&S requirement in SOW Clauses xxxi-xxxii, VAPT/compliance security audit shall be conducted every six months and whenever specially requested by OIL, including the pre-Go-Live assessment under Clause 16(a). Costs shall be included in the quoted price.
16	Scope	SOW, Sec 7.1, Page 18 "The system will integrate with the existing cameras installed in critical operational areas, which will be identified by OIL for Safety Monitoring."	This clause suggests that only 'critical operational areas' (to be identified by OIL) are in scope, which appears inconsistent with the full 716-camera count used elsewhere in the SOW for storage/scope sizing. Kindly confirm whether the camera/location list already provided in Sec 4.1.1 is final and complete, or whether OIL will subsequently identify/finalize a shorter list of 'critical' locations/cameras for actual deployment.	Confirmed
17	Scope	SOW, Sec 5.4 (Page 14), Sec 5.9(i) (Page 15) & Sec	The SOW contains different provisions regarding connectivity: existing Jio ILL is identified for Baghewala	Connectivity for sites with network availability of OIL shall be responsibility of

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		13.3 'Assumptions' (Page 30) Sec 5.4: "The edge analytics devices deployed at Baghewala and Dandewala shall utilize the available Jio ILL connectivity..." vs. Sec 5.9(i): "The Contractor shall provide GSM network connectivity for the Dandewala drilling remote site, as well as for other OIL locations including FHQ, KGB, MBP, and PHQ..." vs. Sec 13.3: "OIL will ensure availability of LAN & Internet connectivity. In case suitable LAN & Network connectivity cannot be provided in remote areas, OIL may ask the Contractor to explore suitable options to provide the same at actual cost to be paid by OIL to Contractor."	and Dandewala, while another clause requires the Contractor to provide GSM connectivity for Dandewala and other OIL locations, and the Assumptions section states that OIL will ensure LAN/Internet connectivity (with the Contractor exploring alternatives only where required, at OIL's cost). Kindly clarify the exact division of responsibility between OIL and the Contractor for WAN/GSM/Internet/ILL connectivity at each site — including procurement, recurring charges, minimum bandwidth, and who bears the cost of any connectivity enhancement required at remote/low-coverage locations.	OIL whereas GSM connectivity to be arranged by bidder for sites with no available OIL network. The same to be established during site assessment
18	Scope	SOW, Sec 5.6, Page 15 vs BOQ Item 140, Page (Implementation Phase)	Section 5.6 requires local displays to be provided at respective HSE Offices (implying multiple locations), whereas the Hardware BOQ (Item 140) specifies only one 50-inch viewing workstation, located at the Central	Local displays refer to access to web application through their official OIL desktops / laptops.

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		Sec 5.6: "Local display at respective fields / locations needs to be included which should be made available at respective HSE Offices by the Contractor." vs. BOQ Item 140: "Viewing Workstation with 50" Monitor — Nos — 1 — Central Monitoring Station"	Monitoring Station. Kindly confirm the required number and locations of local HSE displays/workstations (e.g., one per FHQ/PHQ/RF/KGB & MBP HSE office, or otherwise), and whether the display hardware, PCs, networking, and associated accessories for these local displays are to be supplied by the Contractor and included in the BOQ.	
19	Scope	SOW, Sec 14.2 (Page 32) vs M&S Payment Terms Item (xxxviii), Page 24 Sec 14.2: minimum M&S manpower — 2x Field Engineer Surveillance (Full Time), 1x Control Room Operator/Support Engineer (24x7, 3 shifts/day), 2x Field Support Engineer (Full Time) vs. Item (xxxviii): "The Quarterly Maintenance & Support (M&S) Charges quoted by the Bidder in the BOQ shall be deemed to correspond to an estimated deployment of 450 Man-days per	The SOW specifies minimum technical manpower requirements during the M&S phase under Section 14.2, including field engineers and 24x7 control-room support, while the commercial/payment terms state that M&S payments will be based on actual man-days against an estimated 450 man-days per quarter. Kindly clarify whether the manpower positions specified under Section 14.2 are mandatory to be deployed throughout the M&S period regardless of actual man-days billed, and whether their full cost is to be included within the quoted Quarterly M&S Charges (i.e., whether 450 man-days/quarter is intended to already cover the Section 14.2 headcount, or is a separate billing mechanism). Kindly also confirm whether the 24x7 Control Room Operator/Support Engineer requirement requires physical deployment at OIL premises or may be fulfilled through remote support, subject to OIL's approval.	Refer to Clause No. 14 of SOW for Manpower requirements. Manpower to be deployed on OIL premises.

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		quarter... Payment shall be made on actuals, based on the actual Man-days of M&S services rendered."		
20	Scope	SOW, Sec 5.2, Page 13 vs BOQ Items 120/130 & Central Hardware Breakdown, Page 29 Sec 5.2: "Central Aggregation Server at Cloud Level ... 30-days storage retention ... Hosts the centralized AI analytics dashboard." vs. BOQ Item 120: "Central node for FHQ (including backup) (6U+3U) — LSM — 1"; Item 130: "Central node for PHQ (including backup) (6U+3U) — LSM — 1"; and the detailed Central Hardware breakdown specifying a Central Aggregation/Application Server (4U), Central Storage System (3U), Network Equipment (2U) and Power & Auxiliary (2U) at each of FHQ and PHQ (Total 18U across both), plus separate Backup	The SOW under Section 5.2 specifies the Central Aggregation Server at the Cloud Level with 30-day incident-clip retention, while the Hardware BOQ separately requires Central Nodes at FHQ and PHQ and specifies Central Aggregation/Application Servers, Central Storage and Backup Storage (18U total physical rack space). Kindly clarify the intended architecture and scope. Specifically, please confirm whether the 30-day central storage and centralized AI processing are to be hosted entirely on the MeitY-empanelled public cloud, with the FHQ/PHQ infrastructure serving primarily as RCN/communication and intermediate processing nodes, or whether the Contractor is also required to supply physical central application, storage and backup infrastructure at FHQ and PHQ in addition to the cloud layer. Please confirm which infrastructure is mandatory for commercial pricing.	Shall be reviewed internally

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		Storage/Server/Switch hardware (7U)		
21	Price Bid Format	BOQ Items 50-80, Page (Software Licenses) vs BOQ Item 160, Page (Infrastructure) Items 50/60/70/80: "PPE Compliance Detection / Fire and Smoke Detection / Unsafe Activity Detection / Prohibited Zone Monitoring — Perpetual license per camera — Nos — 716" (each) vs. Item 160: "Software licensing cost (For SaaS based solution) organization wide for 5 years — Per Year — 5"	The BOQ includes per-camera perpetual licenses for PPE Compliance, Fire & Smoke, Unsafe Activity and Prohibited Zone Monitoring (Items 50-80, 716 Nos. each), while Item 160 separately specifies 'Software licensing cost (For SaaS based solution) - organization wide for 5 years'. Kindly clarify whether Item 160 is an alternative licensing model to the per-camera perpetual licenses under Items 50-80, or whether bidders are required to quote both. If both are mandatory, please clarify the specific software components/functionality to be covered under Item 160 so as to avoid overlap in licensing scope and double-pricing of the same platform.	Bidders shall quote the BOQ as issued. The per-camera items cover the specified analytics licences, while the organisation-wide SaaS item covers the platform components required for the solution. The bidder shall avoid internal duplication in its commercial build-up while providing complete licensing rights and functionality.
22	Scope	SOW, Sec 10 'Implementation Plan', Page 11 vs BOQ Items 160/170, Page (Infrastructure) Sec 10: "The total project duration is 8 months for implementation, followed by 60 months of Maintenance & Support (which includes 3 months of Hypercare)." [Total: 68 months] vs. Item 160:	The overall contract duration is 68 months, comprising 8 months of implementation and 60 months of Maintenance & Support, whereas the BOQ specifies SaaS-based software licensing (Item 160) and MeitY-empanelled public cloud subscription (Item 170) for 5 years. Kindly clarify whether the SaaS licensing and cloud subscription costs are required for the full 68-month contract duration or only for the 5-year period specified in the BOQ. In case these services are required throughout the full 68-month contract period, please clarify how the additional 8 months are to be commercially priced and quoted in the BOQ.	Shall be reviewed internally

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		"...for 5 years"; Item 170: "MeitY-empanelled Public Cloud subscription & security gateways...incl. SSO, connectivity via OIL Azure landing zone — Per Year — 5"		
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4. Party D:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	BEC	VERIFICATION AND CERTIFICATION OF DOCUMENTS BY INDEPENDENT THIRD-PARTY INSPECTION AGENCIES: The verified and certified documents (as mentioned in Para 12.2 above) must be submitted along with the Technical Bids. Any bid submitted with un-verified supporting documents shall not be considered.	We request OIL India to kindly confirm if the certificate from the Third party inspection agencies in support for the bidders qualification is acceptable.	Please be guided by BEC/PQC Clause No. 12.0 of the tender.
2	SOW	SOW 7.13 and SLA 4.4	Please confirm the binding acceptance threshold for each use case and environment. Is it 90% under ideal	Accuracy shall be assessed independently for each applicable use case as per SOW. The

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		Page No # 19: 7.13 The system should achieve a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under challenging environmental conditions such as rain, low-light areas, fog, or scenarios beyond the effective IR range. SEC 21-22 : SLA Linked to Tool Accuracy The solution shall meet at least 90% accuracy with 90% confidence interval	conditions, 80% under challenging conditions, or 95% as referenced in the SLA narrative?	methodology for measuring accuracy shall be finalized and documented during the Design stage, subject to OIL approval
3	SOW	SOW 13.6 Any third-party system integration requiring paid licenses or API access (if applicable) will be facilitated by OIL.	Please clarify whether OIL will procure and pay all third-party API licences, while the Contractor supplies only adapters/connectors.	The Contractor shall verify camera/VMS/DVR compatibility, stream quality and integration feasibility during the joint site survey and provide required adapters/connectors. Paid third-party licences/API access, where applicable, will be facilitated by OIL under Clause 13.6.
4	SOW	SOW 5.6 Local displays at respective HSE offices	Please confirm the number, size and technical specification of local displays/workstations required at each field/location and whether these are included in BOQ.	Local displays refers to access to web application through their official OIL desktops / laptops.
5	SOW	SOW 8.2(c) Contractor to develop API	Please provide CCC product, API specifications, data model, authentication, environments, interface count, message volume and target availability	The Contractor shall make the solution API-ready and develop the necessary connector provision under SOW Clauses 5.2 and 8.2(c).

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		connectors to integrate the solution with Command-and-Control Center (CCC) across PAN India.		Since the CCC is upcoming, final interface specifications, protocol and implementation sequence will be finalized during design/implementation when the CCC interfaces are available
6	SCC	SCC Obligations of OIL OIL will arrange the software license (SAP Integration only) of the application specified in the scope of work and providing it to the successful Contractor for integration with the Contractor solution.	Please confirm whether SAP integration is in current mandatory scope	SAP Integration is not mandatory
7	SOW	SOW 13.9 Any required preventive or corrective maintenance of existing CCTV infrastructure (cameras, cabling, switches) will remain under OIL's scope.	Please confirm failures of existing cameras, VMS, NVR, cabling, switches, Internet and power are excluded from solution SLA and accuracy penalties.	Confirmed; subject to timely reporting with supporting logs & OIL approval
8	SOW	II - SOW Current State Assessment: Review existing CCTV setup (camera specs, network, VMS).	Whether assessment of all cameras and compute infrastructure need to be done in due diligence phase?	Yes
9	SOW	4. Scope deployment	What is the expected plan to onboard multiple sites and rigs(Section 4)	The Contractor shall submit a detailed site-wise phased rollout plan during

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		4.1 Operational Areas for Deployment		mobilization/Assessment, aligned with the milestones in SOW Clause 10
10	SOW	II - SOW PART III 'TOTAL REQUIREMENT FOR FUTURE EXPANSION'	Is there any plan to scale up number of use cases?	Not as a part of this contract
11	SOW	7. Features 7. Features of the proposed AI Based Video Analytics Solution for Safety Monitoring	Please mention periodicity of model re-training trigger	It shall be done as many times as required to ensure adherence to SLAs mentioned.
12	SOW	4. Scope deployment 4.1 Operational Areas for Deployment	Do they want centralized monitoring for the different locations mentioned?	No; 1 central viewing workstation at FHQ, Duliajan
13	SOW	4. Scope deployment 7. Features of the proposed AI Based Video Analytics Solution for Safety Monitoring	Please share KPIS to be considered for acceptance criteria	As mentioned in the Tender. Detailed KPIs to be shared during design phase & prior to UAT
14	SOW	7. Features 7. Features of the proposed AI Based Video Analytics Solution for Safety Monitoring	Is historic data available for model training/contextualization; as getting the actual positive scenarios may take some time	Yes OIL shall provide (as per availability) the historical incident videos & training datasets
15	SOW	3. Public Cloud Requirement	Is Azure the common cloud platform at all the locations?	Yes

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		MeitY empanelled public cloud		
16	SOW	15. Training & Capacity Building 25 users × 2 batches	Kindly confirm training language, location and mode (online/offline).	Language: English; Location: OIL Premises (Exact location to be shared at a later date); Mode: Offline
17	SOW	Section II - VAPT Requirement Regular VAPT assessments	Kindly confirm whether OIL will nominate auditor or Contractor should engage auditor.	The Contractor shall engage a CERT-In empanelled agency and bear all VAPT, remediation and closure costs. For consistency with the specific recurring M&S requirement in SOW Clauses xxxi-xxxii, VAPT/compliance security audit shall be conducted every six months and whenever specially requested by OIL, including the pre-Go-Live assessment under Clause 16(a). Costs shall be included in the quoted price.

5. Party E:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	BEC	3.1 EXPERIENCE CRITERIA: In support of the experience criteria under Clause No. 3.1 above, the bidder shall furnish the following documentary evidence: (a) Contract document//Letter of Intent (LOI)/Letter of Award	We request OIL to kindly add a clause as under. "In case where the bidder cites the reasons of Non-Disclosure Agreement (NDA) for its inability to submit necessary documents in support of meeting the experience criteria, Bidder has to submit letter / certificate, certifying all the required information, issued by CEO / CFO / Authorized Signatory of the bidder, with an endorsement by Chartered Accountant/ Statutory Auditor/ Certified Public Accountant (not being an employee or a Director or not having any interest in	Conditions of Tender conditions shall prevail. No Change. Bidder to furnish relevant documents clearly establishing the requisite experience as stipulated in BEC Clause No. 3.1 of the tender.

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		(LOA)/Work Order/Service Order showing detailed scope of work AND (b) Job Completion Certificate (JCC) or Service Entry Sheet (SES) or Certificate of Payment (COP) issued by the Client and supported by Client's certified Job Report showing the following: i) Work Order No./Contract No., (ii) Nature/Number/Description of jobs done and (iii) Contract period and date of completion.	the bidder company / firm). The endorsement by Chartered Accountant / Statutory Auditor/ Certified Public Accountant should clearly specify their UDIN as well." Rationale: As an industry practice, the tenders floated by Indian PSUs allow the bidders to certify the project experience by CEO/ CFO/ Head of bidding entity/ MD/Partner of the company along with an endorsement by Chartered Accountant/ Statutory Auditor/ Certified Public Accountant/ TPIA/ Chartered Engineer (not being an employee or a Director or not having any interest in the bidder(s) company / firm) (Please refer to above clause from GeM bid number GEM/2026/B/7408393 of Indian Oil Corporation Limited which got submitted recently for your kind consideration)	
2	SOW	Section - II SOW The VMS software at both the installations have also been provided by Infinova.	Please confirm whether the proposed Video Analytics platform is expected to integrate with the existing Infinova VMS deployment, or whether any additional VMS functionality is expected to be provided by the bidder beyond AI analytics, alert management, investigation and reporting workflows.	Bidder to integrate the proposed Video Analytics platform is expected to integrate with the existing VMS deployment as specified in SoW
3	SOW	Section - II SOW The VMS software at both the installations have also been provided by Infinova.	Please provide Infinova VMS version details, available APIs/SDKs, integration methods and any licensing requirements for third-party analytics integration. Can existing camera/NVR/etc. vendors provide APIs for integration with the VA System?	The Contractor shall verify camera/VMS/DVR compatibility, stream quality and integration feasibility during the joint site survey and provide required adapters/connectors. Paid third-party licences/API access, where applicable, will be facilitated by OIL under Clause 13.6.

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4	SOW	Section - II SOW The VMS software at both the installations have also been provided by Infinova.	Please clarify whether AI-generated events are required to be pushed back into the existing Infinova VMS platform and whether bidirectional integration is expected.	AI-generated events are not required to be pushed back into the existing Infinova VMS platform & unidirectional integration required with existing VMS.
5	SOW	3. Project Objective: Unsafe Act Detection: Identification of dangerous behaviours such as slips, trips, falls in restricted zones, and climbing without a harness.	Please provide the detailed and exhaustive list of unsafe activities to be monitored along with the expected detection scenarios for each use case.	List of activities to be monitored are mentioned in the SOW under Clause 3.0, however use cases for unsafe activities will be finalized during joint site survey, at no additional cost.
6	SOW	7.13 The system should achieve a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under challenging environmental conditions such as rain, low-light areas, fog, or scenarios beyond the effective IR range.	Please clarify the methodology for measuring accuracy, including whether it shall be evaluated using Precision, Recall, F1 Score, Detection Rate or any other agreed metrics	Accuracy shall be assessed independently for each applicable use case as per SoW. The methodology for measuring accuracy shall be finalized and documented during the Design stage, subject to OIL approval
7	SOW	7.13 The system should achieve a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under	Please specify acceptable False Positive Rate and False Negative Rate thresholds for each analytics use case.	Accuracy shall be assessed independently for each applicable use case as per SoW. The methodology for measuring accuracy shall be finalized and documented during the Design stage, subject to OIL approval

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		challenging environmental conditions such as rain, low-light areas, fog, or scenarios beyond the effective IR range.		
8	SOW	Section - II SOW General	Kindly confirm whether analytics processing is expected to run simultaneously on all listed cameras or only on designated operational camera streams.	Run simultaneously on all cameras within the scope
9	SOW	Section - II SOW General	In case existing camera positioning, angle, resolution, illumination or field-of-view are found unsuitable for AI analytics, please clarify whether camera remediation shall be undertaken by OIL or by the bidder.	The Contractor shall conduct the joint site survey and submit the necessary amendments in existing Camera infrastructure required via the Assessment report. Existing CCTV maintenance/upgrades remain under OIL's scope;
10	SOW	Hardware BOQ Quantities for Type-1, Type-2 and Type-3 Edge Devices have been provided in the BOQ.	Kindly confirm whether the specified edge-device quantities are mandatory deployment quantities or indicative sizing references and whether bidders may propose optimized quantities based on their architecture.	Indicative. Bidder is free to propose
11	SOW	5.2 Central Aggregation Server at Cloud Level Centralized monitoring workstation	Please clarify whether the bidder is expected to provide a full Incident Management System (workflow, escalation, assignment and closure management) or only AI event monitoring and reporting capabilities.	Only AI event monitoring and reporting capabilities are required
12	SOW	11. Software & Services BOQ API Integration & Dashboard Customization items are included in BOQ.	Kindly provide details of any mandatory third-party systems requiring integration, including Device Health Monitoring System (HMS) EHS systems, ERP systems, SCADA systems, Service Management applications/GIS(Geographical Information Systems)/ Asset Management Systems or enterprise data platforms.	Details of third party systems to be integrated will be provided by OIL during design phase. The Contractor is to ensure that the PPE & Unsafe Act Detection solution is integration ready with third party systems; paid third-party licences or API

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				access, where applicable, will be facilitated by OIL
13	SOW	11. Software & Services BOQ Data Annotation, Labelling & AI Model Training	Please confirm whether OIL will provide historical incident videos and training datasets for model tuning and validation activities.	Yes OIL shall provide (as per availability) the historical incident videos & training datasets
14	SOW	11. Software & Services BOQ Data Annotation, Labelling & AI Model Training	Please clarify the expectations around AI model retraining during the support period, including frequency, ownership and inclusion of future use cases.	AI model retraining during support period is in bidders scope. It shall be done as many times as required to ensure adherence to SLAs mentioned. No additional use case, apart from the 4 use cases mentioned under this scope, is envisaged
15	SOW	ii. Security CCTV System Cameras	Kindly clarify whether future camera expansion quantities indicated in the BOQ are indicative estimates only or committed growth quantities.	Committed growth quantities during the contract duration
16	SOW	14. Manpower. 14.1 Technical manpower requirement for implementation phase and 14.2 Technical Manpower during M&S phase	Please clarify whether resident engineers are required at any OIL location or if centralized/remote support shall be acceptable. And are they required to hold any mandatory certifications	Refer to Clause 14 for Manpower requirements. Manpower to be deployed on OIL premises .
17	SOW	11. Software & Services BOQ Analytics Dashboard Platform License for 100 Users (Web & Mobile Application Included)	Kindly confirm whether the 100-user requirement refers to named users, active users or concurrent users.	100 user requirement refers to Named Users
18	SOW	5.2 Central Aggregation Server at Cloud Level	Please confirm whether OIL will provide existing monitoring workstations and operational command-	OIL to provide

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		Centralized monitoring workstation	center facilities, or whether any additional operator infrastructure is expected from the bidder.	
19	Price Bidding Format	Items 160-170 Software licensing cost (For SaaS based solution) orgnaization wide for 5 years MeitY-empanelled Public Cloud subscription & security gateways (if opted) incl. SSO, connectivity via OIL Azure landing zone	The BOQ contains separate line items for SaaS licensing and MeitY empanelled public cloud subscription connected through OIL Azure Landing Zone. Please confirm whether bidders may propose either an on-premises deployment, SaaS deployment, or hybrid architecture, and clarify OIL's preferred deployment model for evaluation purposes.	Bidder to propose a SaaS deployment
20	Price Bidding Format	Items 180-220 Future expansion includes licenses for 200 cameras and 15 AI Edge Devices supporting up to 50 cameras each.	Kindly clarify the sizing assumptions used for future expansion. Since 15 edge devices at 50-camera capacity provide support for approximately 750 cameras, while future expansion licenses are proposed for only 200 cameras, please confirm whether the edge device quantities are indicative only or based on specific AI workload assumptions.	Indicative. Bidder is free to propose
21	Price Bidding Format	Items 230-270 Future expansion items including additional camera licenses and edge devices are indicated as "to be paid on actuals". Maintenance & Support charges are separately defined for the base scope.	Kindly clarify whether M&S charges for future expansion items (additional camera licenses, edge devices and associated infrastructure) shall be payable separately based on the expanded footprint, or whether support for future expansion is expected to be covered within the originally quoted M&S charges.	Support for future expansion is expected to be covered within the originally quoted M&S charges; However, payment towards M&S charges for future expansion quantities to be done on actuals (refer to pt 6 of Payment Milestones)
22	SOW	Section - II SOW General	Are there zones classified as Hazardous areas, in this scope. If yes, what are the requirements that OIL is expecting us to comply with (like ATEX, Ex-proof, etc) for the hardware selection?	Site wise hazardous-area information to be provided during Assessment; Bidder to ensure compliance with applicable statutory

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				and OIL HSE requirements, at no additional cost to OIL
23	SOW	4.1.2 Total Nos of Rigs Dismantling the Edge AI device installed for these locations after completion of drilling and subsequent reassembly and commissioning of the Edge AI Device for both workover and drilling rigs will have to be done by the Contractor	Are all rigs movable? - If yes, what is the frequency of movement? - How will the cabling/camera positioning be ensured after relocation? - How many days of field work expected per reassembly?	All rigs are movable; Bidders can assume that a drilling rig moves every 3 months & a workover rig moves every month
24	SOW	5 Overall Architecture - Edge to PHQ/FHQ/RF to Cloud - Numbers	Do we have a complete architecture clearly showing which site is connected to which PHQ etc? This would help us to plan the data load over the network.	Basic architecture is provided in the tender document. However, exact mapping to be ascertained jointly between bidder & OIL during design phase.
25	SOW	2.1.ii Security CCTV System	CCTVs are from different vendors. How many parallel streams are enabled on each camera, their specification 1080p/720p, 30fps. What are the stream specifications that go to VMS solution? All are IP based cameras? Do we have the height at which the cameras are mounted?	Camera details are provided in the tender document. However, detailed specifications to be provided by OIL during design phase.
26	SOW	4.2 Use cases	How to determine Unidentified people, unauthorized entry? Please explain	Clarity requested on "unidentified people identification" feature. Shall be reviewed internally
27	SOW	5.2 Duration of clips to reach regional nodes and cloud	alert meta data can reach the regional nodes/cloud quickly where as the meia clips will take few seconds to reach depending on network bandwidth in the respective edge to zone. Any expectation on maximum time to wait at regional node/retry mechanisms?	Solution to ensure adherence to SLAs. No additional expectation

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28	SOW	5.9 Email alerts and sound alerts	Emails will be triggered from Cloud instance to configured contacts for the alerts. We need the specification of sound devices to understand the integration	Shall be reviewed internally
29	SOW	8 Network provisions in Cloud	DNS, certificates, network permissions for deployment would be provided by OIL to setup the web application at regional nodes and cloud	OIL to provide
30	SOW	xiv Customizations and Integrations	The customizations and integrations have to specific and to be factored in the delivery effort. This section requirements are generic.	Tender conditions shall prevail
31	SOW	a. MAINTENANCE & SUPPORT (M&S) – Terms & Conditions Contractor to ensure that the cloud infrastructure and all systems hosted on it, respectively, are properly monitored for unauthorized activity.	Kindly confirm whether cloud infrastructure, compute, storage, and network subscriptions shall be provided by OIL or included in bidder scope.	Shall be reviewed internally
32	SOW	12 – Hardware BOQ, Item 6 & 7 “Central Aggregation / Application Server – Active-Active or Active-Standby” and “Central Hardware Backup (FHQ & PHQ)” including Backup Storage, Backup Server and Additional Switch Ports/NICs.	Kindly confirm whether High Availability (HA) is mandatory for central servers, analytics engines, databases, and storage.	It is mandatory as per SoW.

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33	SOW	8.2 Contractor's scope (f) Provide AI Video Analytics Workstation suitable for real-time AI video processing, meeting the specified capacity and scalability requirements.	Kindly clarify whether GPU resources are required only for inference or also for AI model training and retraining activities.	Solution to ensure adherence to SLAs
34	SOW	11. Software & Services BOQ Data Annotation, Labelling & AI Model Training	Kindly confirm whether dedicated GPU servers for model retraining are required and whether centralized or distributed architecture is expected.	Solution to ensure adherence to SLAs
35	SOW	12. Hardware BOQ 12. Hardware BOQ	Kindly confirm whether rack space, power, UPS, cooling, and physical security shall be provided by OIL.	OIL shall provide available rack space, suitable installation space, power and environmental conditions. Site readiness shall be jointly verified during the survey.
36	SOW	12. Hardware BOQ 12. Hardware BOQ	Kindly clarify whether backup infrastructure must support encryption at rest and in transit.	As per OIL's IT Backup Policy
37	SOW	12. Hardware BOQ 12. Hardware BOQ	Kindly confirm backup retention policy, archival duration, and data recovery requirements.	Tender conditions to prevail & solution to ensure adherence to SLAs
38	SOW	12. Hardware BOQ 12. Hardware BOQ	Kindly clarify whether backup of video data is required or only backup of applications, databases, configurations, and metadata.	Tender conditions to prevail & solution to ensure adherence to SLAs
39	SOW	Maintenance Requirements Contractor to ensure regular backup of application and database servers as per department needs are done. The frequency of backup will	Kindly provide Disaster Recovery (DR) requirements including RPO, RTO, replication methodology, and DR testing frequency.	No requirement of DR. SLA to prevail

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		be decided as per discussions with the OIL IT team. The Data Recovery and Backup Plan must be fully aligned with OIL's ICT Data Backup Policy.		
40	SCC	3. SPECIAL TERMS AND CONDITIONS The Contractor is free to offer any MeitY empanelled public cloud subscription if required for implementation of the solution.	Kindly confirm whether cloud-native backup services are acceptable or a dedicated backup solution is mandatory.	Dedicated backup solution (on premise) is required as per SoW
41	SOW	a. MAINTENANCE & SUPPORT (M&S) – Terms & Conditions Solution's initial sizing & provisioning of the underlying infrastructure (including the system software and bandwidth) is carried out based on the information provided in the proposal, subsequently, it is expected that the Contractor, based on the growth in the user load (peak and non-peak periods; year-on-year increase), will manage the scale up or scale	Kindly confirm whether virtualization platform licenses (VMware/Hyper-V/KVM) are required and under whose scope they fall.	Virtualization, if required, to be provided by the Bidder

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		down of compute, memory, storage and bandwidth to support the scalability and performance requirements of the solution and meet the SLAs		
42	SOW	a. MAINTENANCE & SUPPORT (M&S) – Terms & Conditions The installation of the necessary Operating System, patches for the AI Workstation including the application, configuration etc. shall be solely done by the Contractor.	Kindly clarify whether operating system, database, monitoring and security software licenses are within bidder scope or OIL India will provide	Under Bidder's scope
43	SOW	a. MAINTENANCE & SUPPORT (M&S) – Terms & Conditions Upgradation services in case of changes required as per new product release (if any)	Kindly confirm whether technology refresh, server refresh, storage expansion, and hardware replacement during the contract period are included in the base scope or shall be treated as Change Requests.	Any requirement arising due to the future expansion mentioned under the scope during the contract period are included in the Bidder's scope
44	SOW	PART III 'TOTAL REQUIREMENT FOR FUTURE EXPANSION General	We requests that any future increase in camera count, storage capacity, compute resources, GPU requirements, backup retention period, DR capacity, or analytics use cases beyond the baseline design shall be treated as a Change Request (CR) and commercially compensated separately.	Future expansion in camera count is already provided in SoW. Bidder to design the solution accordingly. No additional use case, apart from the 4 use cases mentioned under this scope, is envisaged.
45	SOW	4.5 POST-IMPLEMENTATION PHASE	Kindly confirm RPO/RTO expectations for critical and non-critical workloads, including application-level and full-site recovery requirements.	No requirement of DR. SLA to prevail

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		Uptime SLA of the solution is 99.95%.		
46	SOW	ii. Security CCTV System General	We understand that the OEM (Dell/HPE) and the required quantities have been specified in the RFP. However, the detailed hardware configuration has not been provided. Kindly confirm whether bidders are expected to propose the configuration based on the stated workload and sizing requirements. Additionally, kindly confirm whether bidders are required to propose the exact specified OEM models and quantities only, or if equivalent/newer models with the same or better technical specifications can be proposed.	Details of the servers (Dell / HP) are under As-Is state for Security CCTV Systems for PHQ. Bidder to design the solution accordingly. Query is irrelevant
47	SOW	Maintenance Requirements Contractor to support in ticket resolution and technical assistance/discussion wherever required for issues reported by end users/departments.	Does OIL have an existing ticketing/ITSM system? If so, please share details.	No integration required with OIL's internal ticketing system. The term "ticket resolution" means complaint resolution.
48	SOW	2. As-Is state OIL has deployed CCTV camera systems at its various spheres of Field Head Quarters (FHQ, Duliajan), Rajasthan Fields (RF), Pipeline Head Quarters (Guwahati) and KGB & MBP. While AI based video analytics is being implemented for most CCTV	Who will maintain the cameras/devices in different locations from different vendors?	Maintenance of cameras lies within OIL's scope

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		cameras at FHQ, the CCTV cameras at RF, installations/ pump stations at PHQ and drilling rig at KGB & MBP are not equipped with AI based video analytics to detect PPE violations, unsafe acts and security threats/ violations.		
49	SOW	2.1 CCTV infrastructure at PHQ i. Industrial Security CCTV System These systems were supplied and commissioned in 2019 under the Naharkatiya Barauni Pump Station (NBPS) Upgradation Project.	Industrial Security CCTV System commissioned in 2019. Are they End of Support/End of Life?	Cameras mentioned under this clause are in the process of upgradation while the network architecture shall remain the same
50	SOW	2. As-Is state OIL has deployed CCTV camera systems at its various spheres of Field Head Quarters (FHQ, Duliajan), Rajasthan Fields (RF), Pipeline Head Quarters (Guwahati) and KGB & MBP.	Confirm if provided inventory are supported by OEM and none are End of Support/End of Life?	To be assessed during joint site survey
51	SOW	2.1 CCTV infrastructure at PHQ ii. Security CCTV System	Highlighting the risk - based on ILL connectivity	OIL to be responsible for ILL connectivity at Dandewala GPC & Baghewala EPS

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		(a) CCTV infrastructure at RF (Rajasthan Fields) The communication architecture for the AI Edge Devices deployed at both DND GPC and Baghewala EPS shall be designed and implemented exclusively based on ILL connectivity.		
52	SOW	5.4 Functionality of Jio ILL at Baghewala and Dandewala The edge analytics devices deployed at Baghewala and Dandewala shall utilize the available Jio ILL connectivity for secure and efficient transmission of alert video clips and analytics metadata to the cloud platform.	Do you have redundancy for Jio ILL links? In case of failure, how will you transmit analytics from Baghewala and Dandewala?	No redundancy for Jio ILL links at Dandewala GPC & Baghewala EPS. In case of failure, downtime shall be attributed to OIL
53	SOW	8.2 Contractor's scope a. MAINTENANCE & SUPPORT (M&S) – Terms & Conditions xiii. License configuration (increase or decrease of users)	Which HAM/SAM are you using, which will be extended to HCL? - Pg 110	Not relevant

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54	SOW	8.2- a)Maintenance & Support Contractor needs to provide and implement tools and processes for monitoring the availability of application, responding to system outages with troubleshooting activities designed to identify and mitigate operational issues.	Clarify which application?	Application developed for PPE & Unsafe Act Detection using Video Analytics solution
55	SOW	10.2 Model Development SAT & Sign-off for Go-Live: • Conduct SAT with client team. • Verify all detection scenarios and alert mechanisms. • Obtain formal sign-off for Go Live Deliverables: SAT report and Go Live approval	Kindly share the SAT/UAT acceptance criteria and Go-Live sign-off process.	To be decided prior to UAT/SAT during implementation
56	SOR	IV - SOR 1. PAYMENT TERMS and Price bid format/BOQ PAYMENT TERMS and Price bid format/BOQ	Payment is linked to overall solution delivery & implementation in single BOQ that comprises of all implementation team, software/ license and Hardware. We request OIL to segregate the payment terms specially for Software/ License & Hardware separately. Kindly consider 90% payment against delivery of any Software/license and Hardware and rest 10% on configuration of respective Software & Hardware.	No change in Payment terms

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			Rational- Bidder has to pay upfront to any Software/License vendor/OEM and same goes with Hardware items as well.	
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6. Party F:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	Scope & Deployment	Camera Count & Use-Case Mapping / SOW Sec 2, 4 & 7; BOQ Items 1-4	The SOW provides 716 cameras total (494 fixed + 222 rigs) across 53 fixed locations and 45 rigs. Please: (a) confirm this as the final contractual camera count and the site-wise distribution per SOW Sections 2 and 4; (b) identify any cameras excluded from AI analytics scope; and (c) provide a definitive camera-to-use-case mapping confirming which cameras require PPE Compliance, Fire & Smoke, Unsafe Act Detection and Prohibited Zone Monitoring — individually or in combination. Can OIL share a structured camera inventory spreadsheet (make, model, resolution, FPS, RTSP URL) before the RFP stage?	a) Confirmed b) No cameras excluded from AI analytics scope c) Camera details provided in the Tender. Camera-to-use-case-mapping to be confirmed during Design phase
2	Scope & Deployment	Future Expansion: Commitment, Timeline & Rate Card / SOW Sec 13 (camera increase note); BOQ Items 18-21, 28	The BOQ includes licences for 200 future expansion cameras (Items 18-21) and 15 additional edge devices (Item 28). Please confirm: (a) are these committed deployments within the 68-month contract period or optional provisions; (b) the expected commissioning timeline; and (c) the commercial ordering mechanism — will unit rates from the initial BOQ apply to all additional cameras and sites introduced during the contract?	a) Committed growth quantities during the contract duration b) Commissioning timeline to be shared during implementation / post implementation c) Refer to pt 6 of Payment Milestones
3	Camera & Video Infrastructure	Camera Compatibility, Stream Access & Inventory / SOW Sec 2 (CCTV inventory tables,	Please confirm minimum specifications acceptable for AI inference (resolution, FPS, codec, stream protocol). In addition: (a) several sites — particularly Rajasthan Field chartered rigs — use DVRs (CP Plus models) rather than	Minimum specifications acceptable for AI inference to be shared during design phase a) OIL will provide available credentials and RTSP mainstream access to existing

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		RF chartered rigs: CP Plus DVR models)	NVRs; please confirm whether RTSP streams are available from all DVRs or whether HDMI/BNC capture bridges are required, and who provides them; (b) if cameras are identified as below minimum specification during the joint site survey, will OIL upgrade them or exclude them from the analytics scope; and (c) will OIL share a structured camera inventory sheet — make, model, resolution, FPS and RTSP URL — before RFP submission?	cameras under SOW Clause 8.1(b) b) Maintenance of cameras lies within OIL's scope c) Camera details provided in the Tender under Clause 2. Detailed structured camera inventory sheet to be shared during Design phase
4	Camera & Video Infrastructure	FLP Camera Quality & PTZ Analytics Scope / SOW Sec 2 (multiple FLP models across FHQ/PHQ/RF; PTZ cameras at production locations)	Please clarify two camera-type specific requirements: (a) a significant proportion of cameras are FLP (Flameproof / Explosion-Proof) — please clarify the minimum acceptable image quality from FLP cameras and whether a differentiated accuracy SLA will apply to FLP camera streams given the image degradation caused by protective housing; and (b) several sites deploy PTZ cameras (Hikvision DS-2DE7A, Infinova VP130, Honeywell HDZ302) — please confirm whether AI analytics are required on PTZ feeds and, if so, whether analytics apply to all PTZ presets and tours or only to fixed park positions.	a) Tender conditions shall prevail. No separate image-quality specification or differentiated accuracy SLA is prescribed for FLP cameras. The Contractor shall assess stream quality and suitability during the site survey and configure the solution to meet the stipulated detection accuracy of 90% under ideal conditions and not less than 80% under challenging conditions. b) AI analytics shall also be configured for technically suitable PTZ feeds. Analytics will apply to the fixed park position or mutually approved presets where the field of view remains stable, and not while the camera is actively panning, tilting, zooming or undertaking tours. The final camera-feature mapping, applicable PTZ presets and thresholds shall be finalized during the Assessment and Design stages.
5	VMS & Stream Integration	VMS Stream Access, Licensing & Parallel Operation / SOW Sec 2 (VMS inventory:	OIL's VMS platforms include Milestone (FHQ drilling rigs), Hikvision VMS and Infinova VMS. Please confirm: (a) whether AI edge devices will access camera streams directly via RTSP — bypassing the VMS — or must integrate via VMS	a) Basic architecture is provided in the tender document. However, exact mapping to be ascertained jointly between bidder & OIL during design phase

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		Milestone, Hikvision, Infinova); Sec 5 (RTSP integration)	APIs/SDKs, and if SDK integration is required, who bears the licence cost; (b) whether OIL wishes to retain existing VMS recording and playback functionality in parallel with AI event clips, or whether the AI platform replaces the VMS function; and (c) if both systems operate in parallel, how storage and network bandwidth will be managed between them.	b) Existing VMS to maintain recording & playback functionality. AI event clips to be stored as specified in SoW.
6	AI Processing & Inference	Operating Hours & Simultaneous Multi-Model Inference / SOW Sec 1 (24×7 monitoring stated); Sec 4.2 (all 4 use cases)	Please confirm two interrelated processing requirements: (a) whether AI inference is required 24×7 on all cameras or only during defined operating shifts — and for drilling and workover rigs specifically, are they operational around the clock; and (b) whether all four AI use cases (PPE, Fire/Smoke, Unsafe Act, Prohibited Zone) must run simultaneously on every camera stream, or whether use-case activation can be staggered or scheduled per location. Both answers are primary drivers of edge GPU specification and BOQ cost.	a) The solution must support all four use cases, while feature activation may be selected/configured by location under Clause 7.5. b) Final camera-to-feature mapping and thresholds will be frozen during Assessment/Design
7	AI Functional Scope	Contractual AI Scope Confirmation / SOW Sec 3, 4.2 and 7	SOW defines the following AI scope: PPE (Helmet, Safety Vest, Coverall, Gloves, Goggles, Safety Shoes, Harness), Unsafe Acts (Slips/Trips/Falls, Unsafe Climbing, Work-at-Height without Harness), Fire & Smoke Detection, and Prohibited Zone Monitoring (unauthorised entry, mobile phone detection, unidentified persons). Please formally confirm this as the complete and final contractual AI scope. Any additions during implementation or M&S will be treated as formal change requests with a separate commercial assessment.	List of activities that fall under contractual AI scope are mentioned in the SOW under Clause 3.0 & 4.2. However, List of PPE items to be checked, use cases for unsafe activities & prohibited zone monitoring will be finalized during joint site survey, at no additional cost.
8	AI Functional Scope	Alert Architecture, Escalation Hierarchy & Sound Alerts / SOW Sec 6 & 7 (email, on-screen and sound alerts defined in system diagram)	Please clarify the full alert architecture: (a) provide the intended alert escalation hierarchy — designated recipients at site, regional and HQ level — and confirm whether WhatsApp or SMS alerts are required in addition to email and dashboard notifications; (b) SOW references on-site sound alerts at rig and field locations — please confirm who provides the physical audio devices (sirens/speakers), the trigger mechanism (direct API call from the edge device or manual	a) Tender conditions shall prevail b) Shall be reviewed internally

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			activation), and whether integration with existing rig PA systems is required.	
9	AI Functional Scope	Event Correlation Logic & Zone Configuration Responsibility / SOW Sec 8 (contractor scope: configuration); prohibited zone use case in Sec 4.2	Please clarify two workflow design requirements: (a) if the same person is detected without a helmet across multiple cameras within a short window, should this be one correlated incident or independent alerts — please confirm whether event correlation and incident grouping logic is required and provide the expected grouping rules; and (b) please confirm whether OIL will provide zone definitions and marked site drawings per camera for prohibited zone configuration, or whether the bidder must conduct complete zone assessment and definition — and approximately how many distinct zones per camera are anticipated on average.	a) Event correlation, incident grouping logic to be provided during Design phase. b) OIL to provide the requested details & finalized during Design phase post joint site survey.
10	AI Performance & Acceptance	Acceptance Test Methodology & False Positive SLA / SOW Sec 7; SCC Sec 4.4 (tiered accuracy SLA table)	Please clarify AI performance acceptance: (a) SOW mandates $\geq 90\%$ accuracy (90% confidence interval) under ideal and $\geq 80\%$ under challenging conditions — please specify the test dataset composition and size for SAT, whether precision and recall will be measured separately from overall accuracy, how 'ideal' versus 'challenging' conditions are formally defined, and the agreed testing protocol (annotated test set versus live observation period); and (b) what is OIL's acceptable false-positive rate per camera per shift — does OIL require a contractual false-positive SLA to protect against system over-sensitivity and ensure operational adoption?	Accuracy shall be assessed independently for each applicable use case as per SoW. The methodology for measuring accuracy shall be finalized and documented during the Design stage, subject to OIL approval
11	AI Training & Model Strategy	Training Data, Model IP & Pre-Trained vs Custom / SOW Sec 7, 8, 13; SCC Exit Management clause	Please confirm three interrelated training and IP requirements: (a) the volume, format and quality of historical CCTV footage OIL will provide for AI model training — approximate hours per camera type, conditions covered (day/night/seasonal), storage location — and whether OIL will provide pre-labelled data or the bidder must perform complete ground-truth annotation; (b) IP ownership of trained models — does OIL own them outright, can the bidder use OIL's site data to improve general commercial models, and are	a) Yes, OIL shall provide (as per availability) the historical incident videos & training datasets. Wherever required, the Contractor shall perform the required data assessment, extraction, annotation, labelling, ground-truth preparation, model training and fine-tuning within the quoted scope

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			model artefacts subject to secure deletion at contract end; and (c) does OIL permit use of commercially available pre-trained AI models fine-tuned on OIL's footage, or must models be built entirely from the ground up?	b) All OIL video and analytical data shall remain OIL's exclusive property and shall not be used for training or improving the Contractor's general commercial models without OIL's prior written approval. Contract-specific models, model artefacts, feature stores, training pipelines, configurations and documentation shall be handed over to OIL at exit. No OIL data, customized models or project artefacts may be retained after completion of Exit Management c) Commercially available pre-trained models may be used and fine-tuned using OIL's authorized footage. Models need not be developed entirely from scratch, provided the offered solution satisfies all functional, accuracy, cybersecurity, data-residency, audit, handover and licensing requirements
12	Storage & Data Retention	Retention Policy, Event Rate & Continuous Recording / SOW Sec 5 (storage architecture, retention specs and sizing estimates)	Please confirm three storage parameters: (a) SOW mandates 7-day edge and 30-day central retention for 20-second event clips — please confirm whether any cameras require longer retention for regulatory or legal purposes, and whether continuous recording (not just event clips) is required on any cameras; (b) SOW assumes approximately 20 events per camera per day (~100 MB/camera/day) — please confirm whether this is based on historical data from existing AI deployments at FHQ, or is an estimate, and whether peak event rates during shift changeovers at rigs could be significantly higher; and (c) is there a separate metadata retention period beyond the event clip retention window?	a) Provided information is indicative. Bidder to propose b) It is indicative sizing estimate. Bidder to propose c) Event metadata associated with each clip shall be retained for the corresponding clip-retention period. No separate extended metadata-retention period is presently specified

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13	Cloud & Hosting	Cloud Subscription Ownership & Cost Overrun Mechanism / SOW Sec 5, SCC (MeitY cloud, Azure Landing Zone); BOQ Item 7	Please confirm two commercial questions on cloud infrastructure: (a) who owns the financial responsibility for the MeitY-empanelled cloud subscription — does OIL procure and own the Azure subscription with the bidder managing it, or must the bidder procure and fund the subscription across the full 5-year M&S period (BOQ Item 7: approximately ₹7.75 Cr total); and (b) if bidder-managed, please clarify the mechanism for handling cloud consumption that exceeds the BOQ estimate — will excess be reimbursed by OIL at actuals, or is the BOQ rate a fixed cap regardless of actual usage?	Shall be reviewed internally
14	Cloud & Hosting	On-Premises vs Cloud Architecture / SOW Sec 5 (cloud AI + FHQ workstation + HSE office display obligation)	SOW mentions a central monitoring workstation at FHQ Duliajan and a centralized AI server deployed in the cloud. Please confirm: (a) whether any component of the central AI platform — application server, database or dashboard — must be hosted on-premises at FHQ, or whether the entire central deployment can reside within OIL's Azure environment; (b) whether the FHQ workstation is a full application server or only a dashboard client; and (c) whether local field-level display is required at individual production locations and rig sites — noting that SOW explicitly states 'local display at respective HSE Offices needs to be included by the bidder', which is not reflected in the current BOQ.	Shall be reviewed internally
15	Hardware & Site Readiness	Ownership, Warranty, Replacement SLA & Site Infrastructure / SOW Sec 8, 13, 14 (bidder provides AI compute; OIL provides AC room; bidder provides UPS where unavailable)	Please confirm the following hardware and site readiness requirements: (a) hardware ownership model — does OIL own edge AI devices and central servers post-commissioning, and is the bidder responsible for warranty replacement during M&S; what is the expected response SLA for failed edge hardware at remote and rig sites; (b) whether suitable server rooms, cooling and rack space are available at all 53 fixed sites and 45 rig locations — if not, will OIL provide portable air-conditioned enclosures; and (c) who provides UPS at rig and remote locations where grid power is unstable.	a) Hardware supplied under the contract shall become OIL's property upon acceptance. The Contractor shall maintain, repair and replace the AI compute hardware throughout the warranty and M&S period at no additional cost. Hardware failures shall be addressed according to the applicable SCC severity-based response and resolution SLA b) & c) OIL shall provide available rack

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				space, suitable installation space, power and environmental conditions. Site readiness shall be jointly verified during the survey.
16	Network & Connectivity	Bandwidth per Site, PHQ SDH Access & KGB/MBP Connectivity / SOW Sec 2 (PHQ: SDH backbone, two independent CCTV networks; KGB & MBP section); Sec 5 (RCN)	Please provide network connectivity details across all deployment categories: (a) available uplink bandwidth from each site type — FHQ production locations, PHQ pump and pipeline stations, Rajasthan Field (Jio ILL bandwidth at Dandewala and Baghewala), FHQ drilling rigs, FHQ workover rigs, and KGB & MBP; (b) PHQ uses SDH backhaul logically segregated into two independent CCTV networks — please confirm whether Edge AI devices can connect to the IP network at PHQ pump stations, or whether new IP infrastructure is required at each of the 32 PHQ locations — noting this is a potential deployment blocker for 143 cameras; and (c) the KGB & MBP site has no connectivity details in the SOW — please confirm available connectivity type and bandwidth.	Connectivity for sites with network availability of OIL shall be responsibility of OIL whereas GSM connectivity to be arranged by bidder for sites with no available OIL network. The same to be established during site assessment
17	Network & Connectivity	Dandewala GSM Obligation, Minimum Requirements & SLA / SOW Sec 5, Note (i): GSM at Dandewala; SLA stated as flexible due to challenging conditions	SOW requires the bidder to provide GSM connectivity at Dandewala (described as very weak coverage) and make reasonable efforts to improve network stability. Please clarify: (a) the minimum required bandwidth and uptime target for contractual compliance; (b) whether OIL will facilitate regulatory approvals for signal boosters at this remote oil field site; and (c) how 'flexible SLA' for Dandewala should be formally quantified — without defined minimum thresholds, this obligation cannot be accurately priced or managed.	Connectivity for sites with network availability of OIL shall be responsibility of OIL whereas GSM connectivity to be arranged by bidder for sites with no available OIL network. The same to be established during site assessment
18	Security, Compliance & Regulatory	Security Architecture, Data Residency & SIEM / SOW SCC Sec 3 (security obligations); VAPT requirement every 6 months	Please provide OIL's applicable IT/cybersecurity requirements governing this deployment: (a) data encryption standards at rest and in transit; (b) network segmentation requirements at the IT/OT boundary for AI devices installed within OT environments; (c) OIL's SIEM or SOC platform and whether security events from the AI platform must be forwarded to it; (d) MFA requirements for all users; and (e) data residency	The Contractor shall engage a CERT-In empanelled agency and bear all VAPT, remediation and closure costs. For consistency with the specific recurring M&S requirement in SOW Clauses xxxi-xxxii, VAPT/compliance security audit shall be conducted every six months and whenever

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			requirements — must all video clips and metadata be stored exclusively in India?	specifically requested by OIL, including the pre-Go-Live assessment under Clause 16(a). Costs shall be included in the quoted price.
19	Security, Compliance & Regulatory	OISD/PESO Compliance, Certifications & Evidence Integrity / Not explicitly addressed in SOW; relevant to petroleum facility regulatory environment	Please clarify two compliance requirements: (a) are there applicable OISD, PESO or other statutory regulations governing this AI safety monitoring system — including equipment certification requirements for hardware installed near hazardous zones (Zone 1 or Zone 2), video evidence admissibility standards, or data handling mandates specific to petroleum facility operations; and (b) will AI-generated incident clips be used as formal evidence in disciplinary proceedings or investigations — if so, are tamper-proof storage, digital signatures, hash verification or a formal chain-of-custody mechanism required?	a) The Contractor shall comply with all applicable statutory requirements and OIL's HSE, cybersecurity and site-safety requirements. b) Not required
20	Users, Licensing & Identity	User Roles, Concurrent Users & Azure AD Integration / SOW Sec 11, BOQ (100-user dashboard licence); SCC (SSO via OIL Azure AD mandated)	Please confirm two user and identity requirements: (a) SOW specifies 100 users for the dashboard (web and mobile) — please confirm role distribution across HQ, regional, site and mobile levels, and specify the expected peak concurrent user count (100 named users and 100 concurrent users have significantly different infrastructure implications); and (b) please confirm whether SSO must integrate with OIL's Azure Active Directory for all users including automated role provisioning and deprovisioning, and whether contractor or external users also require OIL AD credentials or separate guest accounts.	a) Role distribution & peak user count to be provided during Design phase. 100 users mentioned refers to Named Users b) Shall be reviewed internally
21	System Integrations	CCC Integration, SAP/ERP & HSE Platform Connectivity / SOW Sec 5 and 8 (CCC API provision; ERP mentioned as possible integration)	Please clarify integration requirements for OIL's enterprise systems: (a) SOW requires an API provision for OIL's upcoming Command & Control Centre (CCC) — please confirm the current maturity and expected go-live timeline, the available API or protocol specification, and whether this is a live integration within the contract period or a future-readiness provision only; and (b) is there a requirement to push AI-generated safety alerts or incidents into OIL's SAP	a) The Contractor shall make the solution API-ready and develop the necessary connector provision under SOW Clauses 5.2 and 8.2(c). Since the CCC is upcoming, final interface specifications, protocol and implementation sequence will be finalized during design/implementation when the CCC interfaces are available

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			S4/HANA ERP or any existing HSE incident management system — if so, please provide the available API, protocol and data schema.	b) Yes, alerts are to be fed into OIL's existing HSE incident management system. Details to be provided during implementation
22	System Integrations	Reporting, BI Platform & Mobile Application Scope / SOW Sec 6 (dashboard with incident history); BOQ (web & mobile app for 100 users)	Please define requirements for reporting and mobile: (a) specify standard report types and frequency — daily, weekly and monthly compliance summaries per site and region — whether integration with Power BI or another enterprise BI platform is required, and expected export formats (PDF, Excel, CSV); and (b) define required mobile application capabilities: real-time push notifications, live video access, incident acknowledgement and escalation, field investigation with photo capture, offline functionality, and whether Android, iOS or both platforms are required.	a) Reporting type, frequency and export formats will be configured during design phase. A separate Power BI integration or offline native-mobile functionality is not mandated. b) Tender conditions shall prevail
23	SLA, M&S & Support	Onsite Support Model, HA/DR Requirements & Uptime SLA Architecture / SOW Sec 14.2 (M&S manpower); SCC Sec 4.5 (99.95% uptime SLA); SCC boarding/lodging in bidder scope	Please confirm the full M&S and availability requirements: (a) are control room operators stationed at FHQ Duliajan full-time on 3 shifts; what is the expected field engineer response time for remote and rig sites; and does OIL or the bidder provide boarding and lodging for field visits; (b) please confirm the required RPO (Recovery Point Objective) and RTO (Recovery Time Objective) for the central cloud platform, edge devices and RCN nodes — noting that the stated 99.95% uptime SLA allows less than 4.4 hours downtime per year, which may require active-active or warm-standby cloud architecture not currently reflected in the BOQ.	a) Refer to Clause 14 of SOW of the tender for Manpower requirements. b) No requirement of DR. SLA to prevail
24	Rig Deployment & Mobility	Relocation Frequency, Concurrent Moves & Restoration SLA / SOW Sec 4.1 (bidder responsible for reinstallation; OIL provides transport and logistics)	Please provide the following rig deployment parameters: (a) expected annual relocation frequency per rig category — FHQ workover rigs (27), FHQ drilling rigs (15) and RF drilling rigs (2); (b) the expected SLA for restoring AI analytics after a rig move — how many hours from edge device reinstallation to analytics being live; and (c) how many rigs may be in transit simultaneously, and what is the maximum travel distance	a) Bidders can assume that a drilling rig moves every 3 months & a workover rig moves every month. b) Should be in line with camera deployment & analytics to be live once the camera feed is available.

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			between rig locations that the bidder's field engineers must cover within any given period.	c) Shall be provided during Design phase.
25	Environmental Conditions	Gas Flaring, Low Light, Special Environments & Differentiated SLA / SOW Sec 7 (80% accuracy under challenging conditions; low light cited as example)	Please identify environments with significant AI inference challenges requiring specific model calibration or differentiated SLA treatment: (a) continuous gas flaring near production wells — this creates persistent fire-like visual signatures and will generate high false-positive rates from the fire/smoke detection module if not addressed with site-specific calibration; (b) high dust or particulate matter areas; (c) low-light or no-light zones without IR cameras, and what proportion of feeds fall into this category; (d) steam, fog or condensation-prone areas; and (e) crowded zones with more than 20 people regularly in frame. Will separate accuracy SLAs apply for these environments, and are any thermal imaging cameras within scope?	Gas flaring, steam, exhaust, dust and similar backgrounds shall be assessed camera-wise, with masking, exclusion-zone configuration and threshold/model calibration during site survey. Authorized events will be configured as exclusions where technically appropriate. No separate environment-specific SLA applies; and documented SLA exclusions shall prevail. Thermal imaging cameras are not included in the tendered scope. The solution shall utilize the existing camera infrastructure.
26	Documentation & Handover	Source Code, Model Handover & Technical Documentation / SOW SCC (Demobilisation clause: source code, model artefacts, configuration files)	SOW mandates handover of source code and model artefacts at contract end. Please confirm: (a) whether formal source code escrow is required during the contract period, not only at exit; (b) the complete technical documentation OIL expects — architecture diagrams, API documentation, runbooks, as-built drawings, data pipeline documentation; and (c) whether OIL expects complete model retraining capability to be transferred to OIL's internal team at contract end — this implies OIL will need in-house AI engineering capability, and the bidder would need to plan knowledge transfer accordingly.	OIL owns all OIL data and contract-specific outputs. At exit, the Contractor shall hand over OIL-specific customized source code, configurations, deployment scripts, model artefacts, feature stores, training pipelines and documentation under SCC Clauses 1.3 and 1.6. Pre-existing bidder/OEM IP and standard COTS components remain subject to their licence terms. Pre-trained models may be fine-tuned on OIL data provided all tender requirements, data-security obligations and handover requirements are met.
27	Documentation & Handover	Training Scope, Refresher Sessions & HSE Display	Please clarify the training and field display requirements: (a) SOW specifies 2 training batches of 25 users for 5 days each at go-live — please confirm whether refresher training is	a) Initial training comprises 2 batches of up to 25 users under SOW Clause 15 and BOQ Item 150. Training will be within OIL

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		Requirement / SOW Sec 5 (HSE office display obligation); Sec 15 (training: 2 batches × 25 users × 5 days)	required as each new site or rig group is onboarded during the phased rollout, whether separate training tracks are required for administrators, safety officers and field investigators, and whether e-learning or LMS-compatible materials are required; and (b) SOW Sec 5 explicitly states 'local display at respective fields/locations shall be made available at respective HSE Offices by the bidder' — please confirm how many HSE office displays are required, the required specification, and whether this is a dedicated monitoring workstation or browser client only, noting that the current BOQ includes only 1 central viewing workstation.	premises, and all Contractor travel/boarding/lodging is included in the quoted price. Updated manuals and additional training required during M&S are covered under M&S Clause xxix. b) Local displays refers to access to web application through their official OIL desktops / laptops.
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7. Party G:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	BEC/PQC Clause No. 3.1 (Page 2 of 18)	SIMILAR WORK' requires the bidder to demonstrate, within a single implemented project/solution, end-to-end capability spanning 7 distinct sub-elements (a to g) — CCTV/VMS integration, AI PPE/unsafe-act/fire detection, supply of AI compute infrastructure, edge + centralized processing, real-time alerting, multisite/multi-source	Kindly clarify whether all sub-criteria (a) to (g) must be demonstrated cumulatively within a single reference project/contract, or whether the bidder may establish the experience criterion through multiple completed projects that, taken together, cover all the listed capabilities. A single-project requirement of this composite nature may unduly restrict competition.	As per the existing Clause of the BEC/PQC, all sub-criteria (a) to (g) must be demonstrated cumulatively within a single reference project/contract.

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		integration, and a web dashboard with incident tracking.		
2	BEC/PQC Clause No. 3.1, Note (I) (Page 3 of 18)	Bidders recognised as 'Start-Ups' by DPIIT are exempted from the Annual Financial Turnover Criterion (Clause No. 4.1), subject to a valid DPIIT Startup certificate.	It is requested that the exemption from the Financial Qualification Criterion (Clause No. 4.1), presently extended only to DPIIT-recognised Start-ups, be suitably extended to bidders registered as Micro, Small & Medium Enterprises (MSME) under Udyam Registration as well, in line with the Public Procurement Policy for MSEs, 2012.	Not Applicable for MSEs.
3	SOW Clause 2 & 2.1-2.4 'As-Is State / CCTV Infrastructure' (Page 2-9 of 35)	Existing CCTV cameras across FHQ, PHQ, RF and rigs are sourced from multiple OEMs (Honeywell, Infinova, Hikvision, CP Plus, Dahua, UNV, Tiandy, Sparsh, PC Plus, Printech) of varying resolutions (2MP-5MP) and vintages (installed between 2019-2023), with VMS from different vendors.	Kindly confirm that all existing cameras listed support open RTSP mainstream/substream access and are compliant with an open standard (e.g., ONVIF) sufficient for third-party AI-analytics integration without requiring firmware upgrades or camera replacement. Where any camera/VMS combination does not support this, it is requested that OIL share the list separately and clarify whether such upgrade/replacement falls within OIL's scope (per Clause 8.1) or the Contractor's scope.	The Contractor shall verify camera/VMS/DVR compatibility, stream quality and integration feasibility during the joint site survey and provide required adapters/connectors. Paid third-party licences/API access, where applicable, will be facilitated by OIL under Clause 13.6. The Contractor shall conduct the joint site survey and submit the necessary amendments in existing Camera infrastructure required via the Assessment report. Existing CCTV maintenance/upgrades remain under OIL's scope;
4	SOW Clause 8.2(a) & Clause 13 'Contractor's Scope / Assumptions'	'New upcoming cameras installed during the period of the project shall be included for integration and analysis' and 'it is anticipated that the number of	Since per-camera licenses are priced for 716 cameras only, it is requested that OIL either specify an estimated/ceiling number of additional cameras expected to be added over the 5-year contract period for bidders to factor into their pricing, or confirm that camera additions beyond 716 will be handled through a separate rate-contract/PO mechanism (with unit	Committed growth quantities during the contract duration provided in Part III of the BOQ and will be paid on actuals under Payment Milestone 6

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	(Page 19, 31 of 35)	cameras will increase during the contract duration', while the Software & Services BOQ prices per-camera perpetual licenses (PPE/Fire/Unsafe Act/Prohibited Zone) for a fixed quantity of 716 cameras.	rates from the price bid applying), rather than being absorbed within the quoted BOQ prices.	
5	SOW Clause 5.1, 5.4 & Note (i) under 5.5 'Data Flow Architecture' (Page 13-15 of 35)	Edge devices at Dandewala GPC and Baghewala EPS (Rajasthan Fields) are to rely exclusively on Jio ILL connectivity (no/negligible GSM coverage), yet a separate Note requires the 'Contractor shall provide GSM network connectivity for the Dandewala drilling remote site, as well as for other OIL locations including FHQ, KGB, MBP, and PHQ.'	Kindly clarify the scope of the 'GSM network connectivity' requirement vis-à-vis the stated exclusive reliance on Jio ILL for Dandewala/Baghewala — specifically, whether the Contractor is required to independently establish/enhance GSM coverage (and at what service level), or whether this refers only to standard SIM-based failover/communication for edge devices. It is also requested that the SLA flexibility granted for Dandewala on account of challenging network conditions be similarly extended to other low-connectivity remote sites (e.g., drilling/workover rig locations at RF and KGB & MBP).	Connectivity for sites with network availability of OIL shall be responsibility of OIL whereas GSM connectivity to be arranged by bidder for sites with no available OIL network. The same to be established during site assessment
6	SOW Clause 4.1.2 & Note 'Total Nos of Rigs' (Page 12-13 of 35)	For workover and drilling rigs, the Edge AI device must be dismantled after completion of drilling/workover and	Kindly indicate the anticipated frequency/number of such dismantling-and-reassembly cycles expected per rig over the 5-year M&S period (e.g., average rig moves per year), as this materially affects the Field Support Engineer manpower planning and any associated re-commissioning/testing effort to be priced by the Contractor.	All rigs are movable; Bidders can assume that a drilling rig moves every 3 months & a workover rig moves every month

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		reassembled/commissioned at the next rig location, with OIL providing transportation of the device and Contractor's manpower.		
7	SOW Clause 5.2 & 8.2(c) 'Central Aggregation / Contractor's Scope' (Page 14, 19 of 35)	The Central Aggregation Server 'feeds data upstream to the upcoming OIL Command & Control Centre (CCC)' and the Contractor is required to 'develop API connectors to integrate the solution with Command-and-Control Center (CCC) across PAN India.'	Since the CCC is described as 'upcoming' (i.e., not yet operational/finalized), it is requested that OIL share the CCC's technical specifications, integration protocol/API documentation, and expected commissioning timeline, or alternatively confirm that CCC integration will be scoped and priced as a separate Change Request once the CCC platform and its interface specifications are finalized.	The Contractor shall make the solution API-ready and develop the necessary connector provision under SOW Clauses 5.2 and 8.2(c). Since the CCC is upcoming, final interface specifications, protocol and implementation sequence will be finalized during design/implementation when the CCC interfaces are available
8	SOW Clause 5.1 & Section 5 'Cloud Hosting via Azure Landing Zone' (Page 16 of 35)	Contractor may offer any MeitY-empanelled public cloud, but 'shall have to route all traffic initiated towards the proposed public cloud hosting relevant application through OIL's ... landing zone in Azure', with associated NGFW/VPN and SSO federation components to be factored by the Contractor.	Given that several remote sites (Dandewala, Baghewala, drilling/workover rigs) already operate under low-bandwidth/high-latency conditions, it is requested that OIL clarify the expected latency/bandwidth budget for the edge-to-cloud-via-Azure-Landing-Zone path, and confirm whether real-time alerting (onscreen/email/sound alerts per Clause 5.9) is expected to function within this mandatory routing architecture without degradation, or whether local/regional alerting may bypass the Landing Zone for time-critical alerts.	Connectivity for sites with network availability of OIL shall be responsibility of OIL whereas GSM connectivity to be arranged by bidder for sites with no available OIL network. The same to be established during site assessment

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9	SOW Clause 5.5 'Storage Estimation Summary' (Page 14-15 of 35)	Storage sizing (edge: ~100GB/device; central: ~5-7TB usable) is based on an assumption of 'approximately 20 events per camera per day', with a note that 'final storage sizing may vary depending on actual event frequency ... final optimization will be carried out during the MVP and implementation phase.'	Kindly confirm that the 20 events/camera/day figure is an indicative planning assumption only, and that in the event actual incident/event rates during MVP/production materially exceed this assumption (increasing storage/compute requirements), the resultant additional hardware/storage cost will be treated as a change in scope eligible for commercial adjustment, rather than being absorbed by the Contractor within the original BOQ price.	Provided information is indicative. Bidder to propose
10	SCC Clause 4.4 'SLA Linked to Tool Accuracy' (Page 21-22 of 24)	'The solution shall meet at least 90% accuracy with 90% confidence interval (solution shall be proficient in AI-based Video Analytics solutions for safety monitoring in industrial environment with accuracy of 95%)', with tiered penalties up to 10% of Implementation Cost, and use-case suspension from production below 80% accuracy.	Since the solution covers multiple, functionally distinct AI use cases (PPE compliance, prohibited-zone/threat detection, unsafe-act/fall detection, fire/smoke detection), each with different underlying detection/classification techniques and inherently different achievable accuracy given lighting, camera angle and video quality variability (per SOW Clause 13.10), it is requested that OIL clarify: (i) whether the stated accuracy/confidence-interval threshold applies uniformly and independently to each use case or as a blended average across all use cases; (ii) the precise methodology (test dataset size, ground-truth validation process, false-positive/false-negative treatment) by which accuracy will be measured and certified at SAT/Go-Live; and (iii) whether accuracy degradation attributable to camera/network faults outside the Contractor's control (Clause 13.9, existing CCTV maintenance remains OIL's scope) will be excluded from the penalty computation.	i) & ii) Accuracy shall be assessed independently for each applicable use case as per SOW. The methodology for measuring accuracy shall be finalized and documented during the Design stage, subject to OIL approval iii) Confirmed; subject to timely reporting with supporting logs & OIL approval
11	SOW Clause 8.2(e)	Contractor to 'conduct a joint site survey with	Kindly clarify the process to be followed where the joint site survey identifies existing camera placement, field-of-view or	The Contractor shall conduct the joint site survey and submit the necessary

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	'Contractor's Scope – Joint Site Survey' (Page 19 of 35)	OIL to assess the suitability of existing camera placements, fields of view, and image quality for the proposed AI analytics.'	image-quality limitations that would materially compromise reliable AI detection at a given location — specifically, whether repositioning, additional camera supply, or camera upgrade in such cases falls within OIL's scope (as owner of existing CCTV infrastructure) or the Contractor's scope, and how any resultant schedule impact on the T1+1 Month site-survey milestone (Clause 10.2) will be treated.	amendments in existing Camera infrastructure required via the Assessment report. Existing CCTV maintenance/upgrades remain under OIL's scope;
12	SOW Clause 9(xxxviii) 'M&S Payment Mechanism' (Page 25 of 35)	Quarterly M&S Charges are 'deemed to correspond to an estimated deployment of 450 Man-days per quarter', with actual payment made pro-rata on 'actual Man-days of M&S services rendered ... duly certified by OIL', capped at the quoted quarterly charge.	Kindly clarify: (i) the mechanism/documentation (e.g., timesheets, deliverable-based certification) by which 'actual Man-days rendered' will be measured and certified by OIL; and (ii) whether any shortfall below 450 man-days in a given quarter (for reasons attributable to lower ticket/incident volume rather than Contractor non-performance) may be carried forward/adjusted against a subsequent quarter, or is simply forfeited, since this materially affects the Contractor's resource-planning and pricing assumptions.	Quarterly M&S payment will be calculated from actual man-days rendered and certified by OIL, using the quoted quarterly charge divided by 450 as the per-man-day rate, and shall not exceed the quoted quarterly charge, as stated in SOW M&S Clause xxxviii. Supporting attendance/timesheets and activity records shall be submitted for certification. No carry-forward or payment above the quarterly cap is envisaged.
13	SOW Clause 13.9 'Assumptions – Maintenance and Support' (Page 31 of 35)	'Any required preventive or corrective maintenance of existing CCTV infrastructure (cameras, cabling, switches) will remain under OIL's scope. The contractor will provide maintenance for the AI compute and analytics modules only.'	Considering that detection accuracy is directly dependent on the health and image quality of the existing (OIL-maintained) CCTV cameras and network, it is requested that OIL confirm a defined SLA/response-time commitment on its own part for rectifying reported camera/network faults, and that the accuracy-linked penalty under SCC Clause 4.4 stands suspended for the specific camera(s)/use-case(s) affected for the duration such an OIL-side fault remains unresolved.	Existing CCTV maintenance/upgrades remain under OIL's scope.
14	SOW Clause 11 (Software & Services	'One-time hardware and software setup & installation, system	Since AI model performance is to be continuously improved through 'real-site data and feedback' (Clause 13.10) over the 5-year M&S period, kindly clarify whether periodic/ongoing	AI model retraining during support period is in bidders' scope. It shall be done as many times as required to ensure adherence to

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	BOQ), Item 8 (Page 28 of 35)	configuration, commissioning — Data Annotation, Labelling & AI Model Training' is priced as a Lump Sum (LS), Qty 1.	data annotation, labelling and model retraining during the M&S phase is to be treated as included within this one-time lump sum, or is separately covered under the M&S scope (Clause 9), and confirm the approximate volume/duration of historical footage OIL will provide for the initial training exercise, for accurate effort estimation.	SLAs mentioned. Yes, OIL shall provide (as per availability) the historical incident videos & training datasets
15	BEC Clause 2.0 / SOW 'Local Content' (Page 1 of 18 / General)	Bidder must maintain Local Content (LC) ≥20%, per the PP-LC (Make in India) Order, 2017, for an offering that combines hardware supply (edge AI devices, servers, storage, racks), software licenses, and services.	Given the mixed hardware-cum-software-cum-services nature of this contract, it is requested that OIL clarify the methodology for computing the blended Local Content percentage — specifically, whether LC is to be computed on the aggregate contract value (hardware + software + services combined) or category-wise, and how AI/ML software components (which may be delivered via cloud subscription/licensing rather than a physically manufactured product) are to be treated for LC computation purposes.	Please refer to Public Procurement (Preference to Make in India) Order, 2017 of Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India as revised vide Order No. P45021/2/2017-PP (BE-II) dated 16th September 2020 (and as amended time to time) with modifications as notified vide MoP&NG Order No. FP-20013/2/2017-FP-PNG-Part (4) (E-41432) dated 26th April 2022
16	BEC/PQC Clause No. 3.2 'Mobilization Period' (Page 5 of 18)	Bidder must confirm mobilization within 30 (Thirty) days of LOA issuance, failing which the offer is liable to summary rejection.	Considering the geographic spread of the project — 53 fixed locations plus 45 rigs across FHQ (Assam), PHQ (Assam/West Bengal/Bihar), Rajasthan Fields and KGB & MBP, including two remote sites (Dandewala, Baghewala) with limited connectivity — it is requested that OIL consider extending the mobilization period to 45 days, or clarify that 30 days refers only to core project-team mobilization/kick-off (per SOW Clause 10.1) and not to physical readiness at all 53+ sites.	Mobilization to remain 30 days; Please refer to tender for Kick Off & Mobilization requirements
17	SOW Clause 9(xxxi) 'VAPT & Security Audits' (Page 24 of 35)	'Necessary VAPT to be conducted at regular intervals (6 months) mandatorily ... through CERT-In empanelled auditors' and 'Contractor to conduct VAPT compliance check security audit every 6	Kindly clarify whether the CERT-In empanelled auditor for the mandatory 6-monthly VAPT is to be engaged and paid for by the Contractor (as part of the M&S price) or nominated/paid for by OIL, and whether the Contractor's own internal VAPT compliance check (referenced separately) is distinct from, or the same exercise as, the CERT-In empanelled audit.	The Contractor shall engage a CERT-In empanelled agency and bear all VAPT, remediation and closure costs. For consistency with the specific recurring M&S requirement in SOW Clauses xxxi-xxxii, VAPT/compliance security audit shall be conducted every six months and whenever specially requested by OIL, including the

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		months and submit a security audit report.'		pre-Go-Live assessment under Clause 16(a). Costs shall be included in the quoted price.
18	SOW Clause 12 (Hardware BOQ), Note 1 (Page 29-30 of 35)	'The above list of hardware is as per our understanding of scope and solution. Contractor is free to choose the hardware compatible with their solution ... Any enhancement of hardware in later phase will be Contractor's responsibility.'	Kindly clarify the scope boundary of 'enhancement of hardware in later phase' — specifically, whether this refers only to hardware upgrades necessitated by the Contractor's own technology choices/obsolescence, or also covers hardware capacity increases required to support camera-count growth (per Clause 13, 'anticipated increase in cameras') or new safety-detection use cases requested by OIL beyond the original scope, which the Contractor would submit should instead be treated as a Change Request.	Any requirement arising due to the future expansion mentioned under the scope during the contract period are included in the Bidder's scope. Future expansion in camera count is already provided in SoW. Bidder to design the solution accordingly. No additional use case, apart from the 4 use cases mentioned under this scope, is envisaged.
19	BEC		PBG is 5% of Total Contract Value as of now. For SaaS based solutions, can we make it 3% - 5% Annual Contract Value.	Shall be reviewed internally

8. Party H:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	BEC	Clause 3.1 - Experience Criteria (SIMILAR WORK) SIMILAR WORK' mentioned above means successfully designed, developed, implemented and supported at least 01 (One) AI-based Video Analytics	b) Deployment of AI models for PPE compliance detection, unsafe act detection and fire/smoke alerts Request for changes: allow any use case instead of specific PPE and fire/smoke alerts. like, intrusion detection / ANPR / PPE/ Fire /Smoke / Fall detection etc. or consider ongoing project where the PPE and Fire/Smoke case mentioned. d) Edge AI processing at remote sites and centralized AI servers at control rooms.	Tender conditions shall prevail

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	projects/solutions for safety monitoring. However, the aforesaid 'SIMILAR WORK' project/solution must demonstrate end-to-end capability, including: a) Integration with existing IP-based CCTV/VMS infrastructure. b) Deployment of AI models for PPE compliance detection, unsafe act detection and fire/smoke alerts c) Supply, installation, and commissioning of AI compute infrastructure (GPU servers, edge devices, storage arrays) for real-time video processing d) Edge AI processing at remote sites and centralized AI servers at control rooms e) Real-time alerting and centralized dashboard for monitoring and reporting f) Integration of feed from multiple sources and locations to a centralized monitoring system g) Web-based	Changes Request: AI processing infrastructure may be deployed either at the edge (remote sites) or centrally (control rooms/data centers). Centralized AI processing shall be acceptable.” JUSTIFICATION: Oil & Gas, Refining, and Petrochemical industries, facilities are typically established at a single centralized site rather than distributed across multiple remote sites. As a result, the requirement for Edge AI processing at remote sites is not practical for most bidders.	
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		dashboard for all non-compliance events with alert generation, showcase the total no. of incidents captured in the past and the no. of incidents resolved.		
2	BEC	Clause 3.1.2 - Manpower/Key Personnel deployment As a part of the job execution, bidder shall deploy personnel as per the specifications mentioned in Clause No. 14 'Manpower' of SOW. Further, the Curriculum Vitae (CV) of the proposed personnel(s) shall be submitted during the mobilization period.	Kindly clarify the mechanism/approval process for replacement of key personnel (e.g., Project Manager, Surveillance Solution Architect) during the 68-month contract period on account of resignation, illness or exigency, and whether prior written approval of OIL / minimum equivalent qualification-experience of the replacement is required.	Key Personnel change allowed on account of sickness / death / resignation; documentary evidence of the same to be submitted to OIL & approval to be obtained for the same. The replacement personnel shall possess qualifications and experience equal to or higher than those prescribed for the originally approved Key Personnel.
3	BEC	Clause 3.2 - Mobilization Period The bidders must confirm their compliance in their 'technical' bid to complete the mobilization within 30 (Thirty) days from the	Considering the scale of the project (53 locations + 45 rigs spread across Assam, Rajasthan, West Bengal and Bihar, involving 716 cameras), kindly clarify whether the 30-day Mobilization Period is meant only for team/resource mobilization (as defined under Clause 10.1 'Kick Off & Mobilization') or for physical site mobilization at all 53+45 locations, since the Implementation Plan (Clause 10) itself allows T1+7 months for full deployment and Go-Live.	30-day Mobilization Period is meant only for team/resource mobilization (as defined under Clause 1.0, 1.1 'Kick Off & Mobilization' / Clause 1.1 of SCC). For details, please refer to Para 1.1 of SCC of the tender which clearly stipulates the mobilization activities to be completed by the Contractor during the mobilization Period.

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		date of issue 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.		
4	SoW	Clause 4.1.1 & Note under 4.1.2 (Rig Movement) Note: Dismantling the Edge AI device installed for these locations after completion of drilling and subsequent reassembly and commissioning of the Edge AI Device for both workover and drilling rigs will have to be done by the Contractor. Transportation of the Edge AI device and the Contractor's manpower to the rig locations shall be provided by OIL.	Kindly indicate the anticipated frequency of rig movement (dismantling/reassembly cycles) per year across the 45 rigs (27 Workover + 15 Drilling FHQ + 2 Drilling RF + 1 Drilling KGB&MBP) over the 68-month contract period, and confirm the maximum turnaround time OIL will allow between dismantling at one location and commissioning at the new location, so that bidders can appropriately plan and price the recurring man-days for this activity.	All rigs are movable; Bidders can assume that a drilling rig moves every 3 months & a workover rig moves every month
5	SoW	NOTE (i) under Clause 5.5 - SLA for Dandewala The Contractor shall	Since 'flexible and negotiable' SLA for Dandewala is not a quantified/measurable parameter, kindly define upfront (pre-bid) the relaxed SLA/uptime/detection-latency parameters applicable to Dandewala, so that bidders can price the	Connectivity for sites with network availability of OIL shall be responsibility of OIL whereas GSM connectivity to be arranged by bidder for sites with no available

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		provide GSM network connectivity for the Dandewala drilling remote site, as well as for other OIL locations including FHQ, KGB, MBP, and PHQ. Since the Dandewala site experiences very weak GSM coverage, the Contractor is required to make reasonable efforts to enhance and stabilize network availability at this location. The Service Level Agreement (SLA) for Dandewala shall remain flexible and negotiable due to the challenging network conditions.	associated risk and LD/penalty exposure appropriately at the bidding stage itself, instead of this being negotiated post-award.	OIL network. The same to be established during site assessment.
6	SoW	Clause 7.13 - Minimum Detection Accuracy The system should achieve a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under challenging environmental conditions such as rain,	Kindly clarify (a) the methodology, sample size and duration for measurement/validation of detection accuracy (e.g., during SAT as per Clause 10.2, or on an ongoing basis during M&S), (b) whether the accuracy is to be measured use-case-wise (PPE/Unsafe Act/Fire-Smoke/Prohibited Zone) or as an overall average, and (c) whether an independent/third-party validation mechanism will be adopted, since this parameter is linked to SAT sign-off for Go-Live and consequent LD exposure.	Shall be reviewed internally

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		low-light areas, fog, or scenarios beyond the effective IR range.		
7	SoW	Clause 8.2 (g) - Contractor's Scope The contractor has to deliver & execute the whole solution in totality. However, if any item/service which is required to complete the solution but not mentioned explicitly shall also be part of the supply/service. No additional payment shall be made if the amount towards the same has not been considered by Contractor in their offer.	Since this clause casts an open-ended obligation on the Contractor to supply any item/service 'not mentioned explicitly' at no additional cost, kindly define reasonable boundaries for this implied scope (e.g., limited to items necessary for functional completeness of the specifications explicitly listed in Section-II), and confirm that any change in scope arising from OIL's site conditions discovered post-award (not attributable to Contractor's design) will be dealt with through a Change Order/Variation mechanism with commensurate payment.	Tender conditions shall prevail
8	SoW	Clause 8.2(l) - Installation Manpower The installation of the necessary Operating System, patches for the AI Workstation including the application, configuration etc. shall be solely done by the	Kindly confirm whether the manpower required for parallel installation/commissioning activity across 53 locations and 45 rigs simultaneously (within the 8-month implementation window) is to be quoted separately by the bidder over and above the 4 resources listed under Clause 14.1 'Technical manpower requirement for implementation phase', or whether these 4 resources are expected to cover pan-India site installation as well.	Refer to Clause 14 of SOW for Manpower requirements. Manpower to be deployed on OIL premises

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		Contractor. Contractor shall arrange necessary manpower at site for the same till the system is fully commissioned and handed over with the installation documentation.		
9	SoW	Maintenance & Support Clause (xxxviii) - Man-day based Payment The Quarterly Maintenance & Support (M&S) Charges quoted by the Bidder in the BOQ shall be deemed to correspond to an estimated deployment of 450 Man-days per quarter during each of Years 1 to 5... Notwithstanding the above, the total payment for any quarter of the M&S period shall not exceed the Quarterly M&S Charges quoted by the Contractor in the BOQ for the corresponding quarter.	Kindly clarify the mechanism in the event actual Man-days required in any quarter (due to major incidents, additional camera integration, or unforeseen support needs) exceed 450 Man-days - whether OIL will compensate the Contractor over and above the capped Quarterly M&S Charges for such excess Man-days, or whether the Contractor is expected to absorb the same, since the clause presently caps payment at the quoted quarterly charge irrespective of actual effort expended.	Quarterly M&S payment will be calculated from actual man-days rendered and certified by OIL, using the quoted quarterly charge divided by 450 as the per-man-day rate, and shall not exceed the quoted quarterly charge, as stated in SOW M&S Clause xxxviii. Supporting attendance/timesheets and activity records shall be submitted for certification. No carry-forward or payment above the quarterly cap is envisaged.
10	SoW	Clause (xlii) - Exit Management / Payment	Kindly confirm (a) whether 'last two quarterly payments' refers to the last two quarters of the M&S period (i.e., final 6 months	a)Yes b) Payments will be released after

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		Withholding Completion of the Exit Management process is a precondition for release of the last two quarterly payments. Non-completion will result in withholding of these payments.	of the 5-year M&S term), and (b) the maximum time period within which OIL shall release these withheld payments after successful completion/sign-off of the Exit Management process, so that bidders can factor this into their cash-flow planning.	satisfactory completion and acceptance of the stipulated exit obligations.
11	SoW	Clause 8.1(c) - OIL's Scope (Historical Video Footage) Provide past video footage to train AI models for local conditions.	Kindly specify the quantum/duration (e.g., number of months of historical footage per camera/location) and format of past video footage that OIL will provide, along with the timeline for making it available after LOA issuance, as this is a critical input dependency for the AI Model Development activities under Clause 10.2 which are scheduled within T1+1 to T1+2 months.	Yes, OIL shall provide (as per availability) the historical incident videos & training datasets
12	SoW	Clause 13.3 - Network & Power Connectivity (Assumptions) In case suitable LAN & Network connectivity cannot be provided in remote areas, OIL may ask the Contractor to explore suitable options to provide the same at actual cost to be paid by OIL to Contractor.	Kindly clarify the process and timeline for approval and reimbursement of 'actual cost' incurred by the Contractor towards providing alternate network connectivity in remote areas, and whether such cost is to be pre-approved by OIL before incurring, to avoid disputes on reimbursement post-execution.	As per standard OIL's procedure & policies
13	SoW	Clause 13.6 - Integration Scope vs	Kindly clarify the demarcation of responsibility between OIL and Contractor for the PAN-India Command-and-Control	The Contractor shall make the solution API-ready and develop the necessary connector

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		Clause 8.2(c) - CCC Integration 13.6: Any third-party system integration requiring paid licenses or API access (if applicable) will be facilitated by OIL. 8.2(c): Contractor to develop API connectors to integrate the solution with Command-and-Control Center (CCC) across PAN India.	Centre (CCC) integration - specifically (a) whether the API/licensing cost of the CCC-side platform will be borne by OIL as stated under Clause 13.6 while the Contractor only develops connector-side APIs under Clause 8.2(c), and (b) when the CCC API specifications/documentation will be made available to the Contractor, since CCC is stated to be 'upcoming' as per Clause 5.2.	provision under SOW Clauses 5.2 and 8.2(c). Since the CCC is upcoming, final interface specifications, protocol and implementation sequence will be finalized during design/implementation when the CCC interfaces are available
14	SoW	Clause 14.1 & 14.2 - Technical Manpower (Pan-India Coverage) Solution provider to provide the following minimum resources during the implementation phase. [1 Project Manager, 1 Surveillance Solution Architect, 1 Network Engineer, 1 Field Support Engineer - all Full Time] ... 14.2: [2 Field Engineer Surveillance, 1 Control Room	Considering the geographical spread of the project across FHQ (Duliajan), PHQ (Guwahati and pipeline stations across Assam/West Bengal/Bihar), Rajasthan Fields, and KGB & MBP - covering 53 locations and 45 rigs - kindly confirm whether the minimum manpower prescribed under Clause 14.1 (1 Field Support Engineer) and Clause 14.2 (2 Field Support Engineers during M&S) is intended to be centrally based or is deemed sufficient for pan-India on-site support, or whether bidders are expected to additionally deploy location-specific manpower at their own cost/discretion to meet the SLA.	Refer to Clause 14 (of SOW of the tender) for Manpower requirements. Manpower to be deployed on OIL premises

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		Operator/Support Engineer (24x7, 3 shifts), 2 Field Support Engineer]		
15	SoW	Clause 12 - Hardware BOQ, Notes 1 The above list of hardware is as per our understanding of scope and solution. Contractor is free to choose the hardware compatible with their solution and the same has to be communicated by Contractor at the time of bid submission. Any enhancement of hardware in later phase will be Contractor's responsibility.	Kindly clarify whether 'any enhancement of hardware in later phase' refers only to enhancements necessitated by Contractor's own design/sizing inadequacy, or whether it also covers enhancements arising from factors outside Contractor's control (e.g., increase in number of cameras as anticipated in Clause 13.10 Note, or OIL's site conditions discovered post-award) - and if the latter, whether such enhancement will be treated as a Change Order with additional payment.	Any requirement arising due to the future expansion mentioned under the scope during the contract period are included in the Bidder's scope. Future expansion in camera count is already provided in SOW. Bidder to design the solution accordingly. No additional use case, apart from the 4 use cases mentioned under this scope, is envisaged.
16	SoW	Clause 16(a) - VAPT (Additional Contractor's Scope) The successful bidder/Contractor shall conduct Vulnerability Assessment and Penetration Testing (VAPT) of all hardware & software assets through	Kindly confirm whether the recurring annual VAPT cost (through CERT-In empanelled agency) over the 5-year M&S period is to be included within the quoted Quarterly M&S Charges (BOQ Sl. No. under Clause 11), or whether it should be quoted as a separate identifiable line item in the BOQ, as no explicit VAPT line item is presently provided in the Software & Services BOQ.	The Contractor shall engage a CERT-In empanelled agency and bear all VAPT, remediation and closure costs. For consistency with the specific recurring M&S requirement in SOW Clauses xxxi-xxxii, VAPT/compliance security audit shall be conducted every six months and whenever specially requested by OIL, including the pre-Go-Live assessment under Clause 16(a). Costs shall be included in the quoted price.

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		a CERT-In empanelled agency. The VAPT shall be carried out: i. Once prior to Go-Live; and ii. At least once every year during the contractual period.		
17	SoW	Clause 15 - Training and Capacity Building The solution provider shall provide dedicated training sessions for employees (25 users x 2 batches for 5 days each) of Oil India Limited to ensure effective use of the surveillance system for monitoring, investigation and decision-making.	Kindly confirm the venue(s) for the training sessions (centralized at FHQ Duliajan, or field-wise at PHQ/RF/KGB&MBP), and clarify whether cost of travel, boarding & lodging of OIL trainees (in case of centralized training) or of the Contractor's trainer(s) (in case of field-wise training) is included within the Contractor's scope under the Training BOQ line item (Clause 11, Sl. No. 7).	Training to be conducted within OIL premises. Exact venue to be decided during implementation. All Contractor travel/boarding/lodging is to be included in the quoted price.
18	Technical Specification	Clause 3(a) Project Objective vs Clause 7.4.1 Features (PPE list mismatch) Clause 3(a): PPE Compliance: Automated detection of missing of Personal Protective Equipment, including helmets, safety vests, gloves, goggles, safety	There is an apparent inconsistency in the list of PPE items to be detected - Clause 3(a) (Project Objective) mentions helmets, safety vests, gloves, goggles, safety shoes and harnesses, whereas Clause 7.4.1 (Features/Technical Specification) lists only Safety Helmet, Safety Coverall, Safety Shoes and Safety Harness (gloves and goggles are not listed, and 'vest' appears as 'coverall'). Kindly confirm the final, authoritative and exhaustive list of PPE items for which detection accuracy (Clause 7.13) and licensing (BOQ Sl. No. 1, Clause 11) shall apply.	List of activities that fall under contractual AI scope are mentioned in the SOW under Clause 3.0 & 4.2. However, List of PPE items to be checked, use cases for unsafe activities & prohibited zone monitoring will be finalized during joint site survey, at no additional cost.

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		shoes, and harnesses. Clause 7.4.1 PPE Violation Detection: Safety Helmet violation, Safety Coverall violation, Safety Shoes violation, Safety Harness.		
19	Technical Specification	Clause 5.1.1 - Edge Level Storage Retention 7-days storage retention shall be ensured for 20 seconds incident clips [at Edge Level].	Kindly confirm the required video resolution, frame rate (fps) and codec/bitrate to be used for the 20-second incident clips at Edge Level and 30-day retention at Central Aggregation Server (Clause 5.2), since the source cameras across OIL's sites are of varying resolutions (2MP to 5MP as per As-Is CCTV inventory in Section 2), and storage sizing (Clause 5.5) has been estimated at a uniform ~100MB/camera/day which may not hold true uniformly across all camera types.	To be provided during Design phase
20	Technical Specification	Clause 5.9 - Alerting System A multi-tiered alerting system ensures that personnel are notified instantly. This includes on-screen alerts at the rig/central location, email notifications, and localized sound alerts for immediate on-site action.	Kindly clarify the maximum permissible latency (in seconds) between an actual safety violation/unsafe act occurring at site and generation of the corresponding on-screen/email/sound alert, as this is a critical real-time performance parameter for a safety-critical application but is not explicitly quantified in the Technical Specification.	Solution to ensure adherence to SLAs. No additional expectation
21	Technical Specification	Clause 5.8 - Seamless Integration with existing IP-based CCTV cameras (RTSP)	As-Is CCTV infrastructure across OIL's sites comprises multiple OEMs/VMS platforms (Honeywell, Infinova, HIKVISION, SPARSH, Milestone, etc. as detailed in Section 2 of the SOW). Kindly confirm whether all listed VMS platforms	The Contractor shall verify camera/VMS/DVR compatibility, stream quality and integration feasibility during the joint site survey and provide required

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		The system is designed to seamlessly integrate with existing IP-based CCTV cameras (RTSP protocol) and can be configured to work with existing Video Management Systems (VMS/NVR) and, if required, OIL's Safety Management/ERP platforms.	support open RTSP mainstream access, and whether OIL will bear the cost of any VMS-side license/API enablement required to expose RTSP streams to the Contractor's AI system (ref. Clause 8.1(b) - OIL to provide RTSP mainstream access to existing cameras).	adapters/connectors. Paid third-party licences/API access, where applicable, will be facilitated by OIL under Clause 13.6.
22	Technical Specification	Clause 7.3 - Camera Health/Fault Detection Along with the use cases mentioned in the RFP, the solution should also be able to highlight or provide alerts for faulty (Video loss detection, Blurred/obstructed lens detection, Low light / overexposure alerts, Camera tampering alerts, etc) or non-working cameras for proactive action to rectify the camera.	Kindly clarify whether Camera Health Monitoring (video loss/blur/tamper/low-light detection) is to be treated as a chargeable/licensed feature (with a corresponding BOQ line item) or is deemed included within the per-camera Perpetual Licenses already listed under Clause 11 Software & Services BOQ (Sl. No. 1 to 4), since no separate license line item for this feature is presently provided.	To be included within the per-camera Perpetual Licenses already listed under Clause 11 Software & Services BOQ (Sl. No. 1 to 4)
23	Technical Specification	Clause 5.1 - Network Data Flow Diagram Approval	Kindly specify the maximum turnaround time OIL will take to review and approve the Contractor's Network Data Flow Diagram, since this is a gating deliverable that precedes the	As per tender timelines

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		This architecture shall be formally submitted to OIL as a detailed Network Data Flow Diagram for review and approval.	Design phase (Clause 10.2, Sr. No. 2, targeted at T1+2 Months) and any delay in OIL's approval would directly impact the overall 8-month implementation timeline.	
24	Technical Specification	Clause 13.9 - Maintenance & Support (Demarcation of CCTV vs AI scope) Any required preventive or corrective maintenance of existing CCTV infrastructure (cameras, cabling, switches) will remain under OIL's scope. The contractor will provide maintenance for the AI compute and analytics modules only.	In the event detection accuracy (Clause 7.13) falls below the specified threshold due to a fault in the existing CCTV camera/cabling/switch (which is under OIL's maintenance scope as per this clause) rather than the AI compute/analytics module, kindly confirm that the Contractor shall not be held liable for the resultant SLA breach/LD for the period until OIL rectifies the underlying CCTV infrastructure fault.	Maintenance of cameras lies within OIL's scope

9. Party I:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	BEC	11.2 and 11.3 G "Bidder" (including the term 'tenderer', 'consultant' or	We request the Department to kindly clarify whether Consortium/Joint Venture participation is permitted for this tender. Considering the technical and implementation requirements of the project, we further	In the subject tender, participation through a Joint Venture (JV) is permitted, whereas participation through a Consortium is not allowed. For details regarding JV

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		'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.	request that the Consortium may be formed between the lead bidder/system integrator and specialized solution providers/OEMs/hardware providers, as applicable. Allowing consortium participation will enable bidders to bring together specialized expertise, proven technologies, and relevant hardware/solution capabilities, thereby ensuring better technical compliance and successful implementation of the project.	participation, please refer to the relevant Clauses of the BEC/PQC of the tender.
2	Scope	1 Payment Terms	We request the Department to kindly consider providing a 10% Mobilization Advance against submission of an Advance Bank Guarantee (ABG) of equivalent amount. The mobilization advance will support the bidder in arranging the required manpower, hardware, software, infrastructure, licenses, and other resources necessary for timely commencement and smooth implementation of the project.	No change in Payment terms
3	BEC	3.1 EXPERIENCE CRITERIA: The bidder must have successfully executed/completed 'SIMILAR WORK' over the last 07 (seven) years reckoned from the Original Bid Closing Date in	We request the Purchaser to kindly consider broadening the definition of "SIMILAR WORK" to include successfully executed projects across any industry/domain, including Infrastructure, Transportation, Road Infrastructure, Highway, Smart City, Urban Infrastructure, Railway, Airport, and other large-scale infrastructure projects, where the scope of work is technically similar to the requirements of the present tender.	Tender conditions shall prevail

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		industrial environments (such as Oil & Gas/ Petrochemical/ Refining/Power Generation/ Fertilizer/Steel/Mining & Mineral Processing/ LNG or LPG Facilities/ Offshore Hydrocarbon Installations/ Chemical Processing Plants/ Cement Manufacturing Plants or other industrial facilities involving hazardous processes/ explosive / flammable materials/ high-pressure systems / safety critical operations. 'SIMILAR WORK' mentioned above means successfully designed, developed, implemented and supported at least 01 (One) AI-based Video Analytics projects/solutions for safety monitoring. However, the aforesaid 'SIMILAR WORK'		
4	BEC	3.1EXPERIENCE CRITERIA: The bidder must have successfully executed/completed 'SIMILAR WORK' over the last 07 (seven) years	The tender specifies that the bidder must have successfully designed, developed, implemented and supported at least 01 (One) AI-based Video Analytics project/solution for safety monitoring, with the project demonstrating the specified end-to-end capabilities from (a) to (g).	Tender conditions shall prevail

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		reckoned from the Original Bid Closing Date in industrial environments (such as Oil & Gas/ Petrochemical/ Refining/Power Generation/ Fertilizer/Steel/Mining & Mineral Processing/ LNG or LPG Facilities/ Offshore Hydrocarbon Installations/ Chemical Processing Plants/ Cement Manufacturing Plants or other industrial facilities involving hazardous processes/ explosive / flammable materials/ high-pressure systems / safetycritical operations. 'SIMILAR WORK' mentioned above means successfully designed, developed, implemented and supported at least 01 (One) AI-based Video Analytics projects/solutions for safety monitoring. However, the aforesaid 'SIMILAR WORK' project/solution must demonstrate end-to-end capability, including: a) Integration with existing	We request the Department to kindly clarify whether the bidder is required to demonstrate all the capabilities mentioned under points (a) to (g) within a single project, or whether the capabilities can be demonstrated collectively through multiple successfully executed projects. Further, to ensure wider participation while maintaining adequate experience, we request that the bidder be permitted to demonstrate the required experience through any 3 out of the 7 specified capabilities (a) to (g) across relevant completed projects. executed projects across any industry/domain, including Infrastructure, Transportation, Road Infrastructure, Highway, Smart City, Urban Infrastructure, Railway, Airport, and other large-scale infrastructure projects, where the scope of work is technically similar to the requirements of the present tender.	
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	IP-based CCTV/VMS infrastructure. b) Deployment of AI models for PPE compliance detection, unsafe act detection and fire/smoke alerts c) Supply, installation, and commissioning of AI compute infrastructure (GPU servers, edge devices, storage arrays) for real-time video processing d) Edge AI processing at remote sites and centralized AI servers at control rooms e) Real-time alerting and centralized dashboard for monitoring and reporting f) Integration of feed from multiple sources and locations to a centralized monitoring system g) Web-based dashboard for all non-compliance events with alert generation, showcase the total no. of incidents captured in the past and the no. of incidents resolved.		
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10. Party J:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	BEC	3.1 - Documentary Evidence for Experience Criteria Clause 3.1, Notes to BEC Clause 3.1(A): In support of the experience criteria under Clause No. 3.1, the bidder shall furnish (a) Contract document/Letter of Intent (LOI)/Letter of Award (LOA)/Work Order/Service Order showing detailed scope of work AND (b) Job Completion Certificate (JCC) or Service Entry Sheet (SES) or Certificate of Payment (COP) issued by the Client and supported by Client's certified Job Report showing Work Order No./Contract No.,	OIL is requested to accept a Work Order/Contract document containing the project title and a brief description of the Scope of Work, along with supporting documents such as the JCC/Completion Certificate, which clearly establish the detailed scope and successful completion of the work. This is requested as the detailed Scope of Work is not always included in the Work Order/Contract document and may be provided separately through other documents.	Tender conditions shall prevail

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		Nature/Number/Description of jobs done, Contract period and date of completion.		
2	BEC	3.1 - Experience Criteria Clause 3.1, Note (E): Work executed through 'sub-contracting' shall not be considered for evaluation.	OIL is requested to accept experience gained through sub-contracting towards the evaluation, provided the work was executed for an eligible end-client and is supported by proper documentary evidence such as the Work Order and Job Completion Certificate (JCC) mentioning the end-client and scope of work. The scope of this tender requires specialised expertise in areas such as AI-based video analytics, PPE compliance detection, unsafe act detection, CCTV/VMS integration, edge computing and AI infrastructure. Such projects are often executed through collaboration between specialised technology providers. Therefore, OIL is requested to consider relevant experience gained through sub-contracting, subject to submission of appropriate documentary evidence.	Tender conditions shall prevail
3	BEC	3.1 - Experience Criteria - Similar Work Clause 3.1: The bidder must have successfully executed/completed 'SIMILAR WORK' over the last 07 (seven) years reckoned from the Original Bid Closing Date in industrial environments such as Oil & Gas/Petrochemical/Refi	OIL is requested to allow experience of all industries as identification algorithm is similar across industries. OIL is requested to remove hardware supply (Point C) from the SIMILAR WORK definition as contractors may have used cloud servers. OIL is requested to remove integration of feed (Point F) from the SIMILAR WORK definition. OIL is requested to allow bidder to borrow work experience of software OEM whose product the bidder is planning to integrate.	Tender conditions shall prevail

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	ning/Power Generation/Fertilizer/S teel/Mining & Mineral Processing/LNG or LPG Facilities/Offshore Hydrocarbon Installations/Chemical Processing Plants/Cement Manufacturing Plants or other industrial facilities involving hazardous processes/explosive/fla mmable materials/high- pressure systems/safety-critical operations. ‘SIMILAR WORK’ mentioned above means successfully designed, developed, implemented and supported at least 01 (One) AI-based Video Analytics projects/solutions for safety monitoring. However, the aforesaid ‘SIMILAR WORK’ project/solution must demonstrate end-to-end capability, including:	
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	a) Integration with existing IP-based CCTV/VMS infrastructure. b) Deployment of AI models for PPE compliance detection, unsafe act detection and fire/smoke alerts c) Supply, installation, and commissioning of AI compute infrastructure (GPU servers, edge devices, storage arrays) for real-time video processing d) Edge AI processing at remote sites and centralized AI servers at control rooms e) Real-time alerting and centralized dashboard for monitoring and reporting f) Integration of feed from multiple sources and locations to a centralized monitoring system g) Web-based dashboard for all non-compliance events with alert generation,		
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		showcase the total no. of incidents captured in the past and the no. of incidents resolved.		
4	BEC	3.1.2 - Manpower / Key Personnel Clause 3.1.2: As a part of the job execution, bidder shall deploy personnel as per the specifications mentioned in Clause No. 14 'Manpower' of SOW. Further, the Curriculum Vitae (CV) of the proposed personnel(s) shall be submitted during the mobilization period. In line with the above, the bidder shall submit an undertaking along with their bid confirming the deployment of the specified personnel during the execution of the contract and the submission of their CVs during the mobilization period.	OIL is requested to allow the deployment of qualified individual contractors/consultants, in addition to the bidder's regular employees, provided they meet the specified qualification and experience requirements. This will enable the bidder to deploy the best-suited personnel for the project.	Not allowed

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5	BEC	24.0 SUBCONTRACTING/AS SIGNMENT - 24.1 Clause 24.0 SUBCONTRACTING/AS SIGNMENT, 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. However, CONTRACTOR shall be fully responsible for complete execution and performance of the services under the Contract.	The scope of this tender requires expertise across multiple specialised areas, including AI-based video analytics, CCTV/VMS integration, AI infrastructure and real-time monitoring. Such projects are generally delivered through a prime System Integrator supported by specialised OEMs and sub-vendors. OIL is therefore requested to permit the bidder to engage specialised subcontractors and sub-vendors for specific work packages, while the bidder remains solely, fully and unconditionally responsible to OIL for the complete execution and performance of the contract. Kindly confirm.	Tender conditions shall prevail. Please refer to Clause no. 1.15 of SCC and Clause No. 39.0 of GCC of the tender.
6	BEC	BID EVALUATION CRITERIA (BEC)/PRE QUALIFICATION CRITERIA (PQC) General Query	OIL is requested to allow consortium bidding for this tender, wherein consortium members may collectively meet the relevant technical and financial qualification requirements. Considering the multi-disciplinary nature of the scope (hardware, software and commissioning), this will enable participation of specialised technology providers with	In the subject tender, participation through a Joint Venture (JV) is permitted, whereas participation through a Consortium is not allowed.

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			complementary expertise while ensuring wider competition. The lead consortium member may remain fully responsible and accountable for execution of the complete scope. Kindly confirm.	
7	Scope	Project Timelines / Implementation Plan The total project duration is 8 months for implementation, followed by 60 months of Maintenance & Support, including 3 months of Hypercare. The implementation phase includes current-state assessment, design, procurement, deployment and testing, UAT, training and Go-Live.	The stipulated implementation timeline of 8 months, following the 1-month mobilization period, appears challenging considering the detailed scope involving site and data assessment, solution design and development, integration with existing CCTV/VMS infrastructure, procurement and installation of AI infrastructure, AI model development and testing, UAT, user training and successful Go-Live across multiple locations. Further, timely completion of these activities will depend on site access, availability and quality of video/data feeds, access to relevant systems, stakeholder inputs, review and approval cycles, which may require multiple iterations. Considering the overall scope involved, OIL is requested to consider extending the implementation timeline to 12 months, with the intermediate milestones adjusted proportionately. It is requested to allow mobilization time of 90 days to allow hardware delivery.	No changes in timelines mentioned
8	Scope	SOW Sec 2.1(a) vs SOW 5.5 Note (i) SOW 2.1(a) states there is no GSM network coverage at Dandewala and JIO ILL is the sole communication medium. However, SOW 5.5 Note (i) mandates the Contractor to establish GSM network	Since SOW 2.1(a) explicitly states JIO ILL is the sole reliable communication medium at Dandewala GPC due to zero GSM coverage, please clarify if the Contractor is still required to establish GSM network connectivity at the Dandewala Drilling remote site as per Section 5.5 Note (i). If GSM coverage is physically non-existent, will OIL provide JIO ILL connectivity for the drilling rigs, or is the contractor expected to procure VSAT at their own cost?	OIL to be responsible for ILL connectivity at Dandewala GPC & Baghewala EPS

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		connectivity at Dandewala drilling sites.		
9	Scope	SOW Sec 2.1 (PHQ) The PHQ CCTV systems are logically segregated into two completely independent, non-interconnected networks: (i) Industrial Security CCTV System and (ii) Security CCTV System.	Since the PHQ CCTV network is logically segregated into two non-interconnected networks, please clarify how the Edge AI devices are supposed to ingest video streams from both systems. Will OIL provide the required network bridging and routing to allow the Edge AI servers to access both networks, or is the Contractor responsible for physical network aggregation/re-cabling?	Internal networking will be in OIL's scope.
10	Scope	SOW Sec 7.13 & SLA Sec 4.4 SOW mandates a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under challenging conditions including scenarios beyond the effective IR range.	Achieving 80% accuracy 'beyond the effective IR range' is physically impossible as there is no visual information in pitch darkness. We request that the 80% accuracy SLA be waived for scenes beyond the effective IR range, during extreme weather (heavy rain/fog), or when baseline camera feed resolution and contrast parameters are not met.	Shall be reviewed internally
11	Scope	SOW Sec 1.2, 4.2 & 7.4.1 The system must leverage OIL's existing legacy cameras (Honeywell, Infinova,	Since the system must leverage OIL's existing legacy cameras (many of which are wide-angle 720p/1080p perimeter cameras), please clarify if OIL will guarantee that the camera heights, zoom levels, and lines-of-sight are adequate for detecting microscopic features like goggles, gloves, or safety shoes. If camera resolutions are physically insufficient to	The Contractor shall conduct the joint site survey and submit the necessary amendments in existing Camera infrastructure required via the Assessment report. Existing CCTV maintenance/upgrades remain under OIL's scope;

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		Hikvision 720p/1080p) to detect small PPE items like goggles, gloves, safety shoes, and harness straps in real-time.	resolve these objects from standard mounting heights, will these specific use cases be excluded from accuracy penalties?	
12	Scope	SOW Sec 4.1.2 Note & SLA Sec 15.8 The contractor is responsible for the uninstallation, reinstallation, and commissioning of Edge AI devices during rig movements across 45 rigs.	Please clarify the average frequency of rig movements expected per month across the 45 rigs. In the event of a rig movement, who is responsible for providing and installing physical camera mounting brackets, cabling, and weather-proof enclosures at the new site? Is there a baseline limit to the number of rig movement cycles covered under the M&S phase, and will any movement beyond this baseline be paid on actuals?	All rigs are movable; Bidders can assume that a drilling rig moves every 3 months & a workover rig moves every month
13	Scope	SOW Sec 3(b) & 4.2(b) The system must perform real-time prohibited zone monitoring, specifically identifying 'Unidentified People' and generating immediate security threats.	For 'unidentified people identification', please clarify if OIL will provide a centralized authorized facial database/API to integrate with the AI platform. If no database exists, is the Contractor expected to build a facial database of all employees and contractors, and how will data privacy (e.g., DPDP Act compliance) be managed? Please also provide the exact technical definition of a 'threat' (e.g., loitering, weapon detection, running).	Clarity requested on "unidentified people identification" feature. Shall be reviewed internally
14	Scope	SOW Sec 3(c) & 4.2(c) The system must detect unsafe acts, specifically 'climbing without a harness' and safety	Please clarify if 'climbing without a harness' refers strictly to detecting whether the worker is wearing a full-body harness, or if the AI is expected to detect whether the lanyard is actively hooked/anchored to a lifeline or safety structure. If anchoring detection is required, we request OIL to confirm if close-up cameras with clear lines of sight to the ladders and lifelines	List of activities to be monitored are mentioned in the SOW under Clause 3.0, however use cases for unsafe activities will be finalized during joint site survey, at no additional cost.

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		harness non-compliance.	are available, as this cannot be achieved from wide-angle perimeter views.	
15	Scope	SOW Sec 5.5 & Sec 12 Note 1 Edge hardware sizing is based on an average of 20 events per camera per day (100MB per day per camera). Section 12 Note 1 states any future hardware enhancement is the Contractor's responsibility at no extra cost.	Since edge hardware sizing must be frozen at the bid stage based on the 100-150 GB SSD recommendation and 20 events/day assumption, please confirm that the Contractor will not be penalized or held liable for hardware upgrades if the actual event frequency or camera bitrates exceed these baseline parameters during operations. We request that any additional storage required due to high event volatility (>20 events/day) or camera stream resolutions/bitrates higher than 100MB/day be paid under change-control / actuals.	Provided information is indicative. Bidder to propose
16	Scope	SOW Sec 5.11 Note & Sec 3 (Cloud) All cloud traffic must route through OIL's secure MS Azure landing zone, incorporating IPSec VPN/NGFW and establishing Single Sign-On (SSO) with OIL's corporate Azure AD.	As the project has a strict 8-month implementation timeline, please confirm if the ports, routing configurations, and network security group (NSG) permissions in OIL's Azure secure landing zone will be pre-configured or approved within 15 days of the Design Phase. Any delay in provisioning these firewall openings or Azure AD API credentials by OIL should result in a corresponding shift in the 'Go-Live' timeline without attracting Liquidated Damages (LD).	OIL shall provide.
17	Scope	SOW Sec 8.1(c) & Sec 13.4 SOW states OIL will grant the contractor	Please confirm the volume (in hours or gigabytes) and format of the historical CCTV footage available with OIL for each of the safety use cases (specifically slips, trips, falls, fire/smoke, and safety harness violations). If OIL does not have historical footage containing actual safety violations or hazard	Yes, OIL shall provide (as per availability) the historical incident videos & training datasets. Wherever required, the Contractor shall perform the required data assessment, extraction, annotation, labelling, ground-

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		access to previously recorded CCTV footage to train and fine-tune AI models specific to site conditions.	incidents, will the Contractor be permitted to use standard pre-trained public/synthetic datasets, and will the Go-Live timeline be extended to allow for on-site local data collection?	truth preparation, model training and fine-tuning within the quoted scope
18	Scope	SOW Sec 2.1 (Cameras) / Sec 7 OIL has deployed Honeywell, Hikvision, and Infinova PTZ cameras. SOW requires analytics (like prohibited zone line-crossing) on these cameras.	Since several of the existing cameras are PTZ models, please clarify if the AI system is expected to dynamically suspend analytics during active PTZ movements, or if analytics are restricted strictly to pre-defined 'home' preset positions. If dynamic ROI re-mapping is required during operator-led pans/zooms, please specify the technical standards for coordinate handshakes.	AI analytics shall also be configured for technically suitable PTZ feeds. Analytics will apply to the fixed park position or mutually approved presets where the field of view remains stable, and not while the camera is actively panning, tilting, zooming or undertaking tours. The final camera-feature mapping, applicable PTZ presets and thresholds shall be finalized during the Assessment and Design stages.
19	Scope	SOW Sec 2.1 (PHQ) The Industrial Security and Security CCTV networks at PHQ are logically segregated and completely non-interconnected.	To process video streams from both isolated PHQ networks, will the Contractor be permitted to use a dual-NIC (Network Interface Card) configuration on a single Edge AI server, or does OIL's OT security policy prohibit any logical bridging between these networks? If bridging is barred, please confirm if the Contractor must deploy two physically separate Edge AI servers per PHQ station, and if the commercial bid should be adjusted accordingly.	Internal networking will be in OIL's scope.
20	Scope	SOW Sec 2.1(c) & Sec 2.1(d) A majority of workover (17/27) and drilling (10/16) rigs are charter-hired. CCTV cameras and local switches are owned and maintained	Since a significant portion of rig cameras are owned and maintained by external charter hired contractors, the Contractor cannot control physical camera health, lens cleaning, or local power. We request that any camera feed dropouts, resolution degradation, physical tampering, or lens obstruction be formally excluded from the Contractor's system availability and model accuracy SLA calculations. Please confirm the process for validating and logging these third-party exclusions.	Maintenance of cameras lies within OIL's scope

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		by the respective charter hire contractors, not by OIL or the AI Contractor.		
21	Scope	SOW Sec 13.3 SOW assumes Edge AI devices will be housed in standard IT racks within AC rooms with stable backup power.	Please confirm that a safe, non-hazardous, air-conditioned instrumentation cabin/control room with stable power is physically available within copper cabling distance at every single one of the 45 workover and drilling rigs to house the Type-3 Edge AI servers. If safe, air-conditioned zones are absent at certain remote workover locations, is the Contractor expected to supply ATEX/IECEX certified explosion-proof outdoor enclosures or ruggedized edge compute units?	OIL shall provide available rack space, suitable installation space, power and environmental conditions. Site readiness shall be jointly verified during the survey.
22	Scope	SOW Sec 4.2(d) & 7.4.3 The system must detect visual smoke and fire in real-time across operational installations.	Given that visual smoke/fire detection is highly susceptible to false positives from normal background production flares, steam, and diesel engine exhaust in oilfields, will OIL provide designated 'exclusion zones' during the design phase? We request that false triggers caused by authorized process flares or standard engine operations be excluded from the 80% accuracy SLA calculation.	Gas flaring, steam, exhaust, dust and similar backgrounds shall be assessed camera-wise, with masking, exclusion-zone configuration and threshold/model calibration during design. Authorized process flares will be configured as exclusions where technically appropriate. No separate environment-specific SLA applies; and documented SLA exclusions shall prevail.
23	Scope	SOW Sec 11.5 / Sec 5.11 Note The contractor must deliver a video analytics mobile application supporting 100 users, fully routed through OIL's secure Azure landing zone.	To ensure the mobile application for 100 users routes traffic strictly through OIL's Azure landing zone, please clarify if OIL will provide the necessary corporate VPN profiles and MDM licenses for the users' mobile devices, or if the Contractor is responsible for hosting and securing a public-facing gateway that complies with OIL's ICT Security Guidelines.	OIL shall provide the necessary corporate VPN profiles and MDM licenses for the users' mobile devices
24	Scope	SCC Sec 1.3	With reference to OIL's right to inspect training datasets, model drift parameters, and retraining records, please clarify	A separate named MLOps product is not mandated. The Contractor shall provide the

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		OIL has full rights to inspect, audit, and review training datasets, feature stores, version models, parameters, validation results, and retraining logs during the 5-year M&S phase.	if the Contractor is expected to host and license a dedicated MLOps and drift monitoring platform within the cloud subscription, or if OIL will provide the central toolchain infrastructure. Who will retain ownership of the data labeling and annotation tools utilized during the 5-year M&S phase?	model registry, versioning, monitoring, drift/retraining records and auditability required to meet the SOW, within its cloud/software scope. OIL-specific data, labels, trained models and project artefacts belong to OIL; pre-existing annotation/MLOps tools remain bidder/OEM IP subject to the required licence and handover obligations.
25	Scope	7. Features of the proposed AI Based Video Analytics Solution for Safety Monitoring: Along with the use cases mentioned in the RFP, the solution should also be able to highlight or provide alerts for faulty (Video loss detection, Blurred/obstructed lens detection, Low light / overexposure alerts, Camera tampering alerts, etc) or non-working cameras for proactive action to rectify the camera.	As the Camera Tampering use case is not mentioned in the BoQ, please clarify whether this use case is required to be considered in the server sizing. If yes, kindly confirm the required number of Camera Tampering licenses so that the same can be appropriately considered in the server sizing and licensing.	Shall be reviewed
26	Scope	7. Features of the proposed AI Based Video Analytics Solution for Safety	The RFP mentions “Unsafe Act Detection (Work at Height Violation / Fall & Slip Detection)”. Kindly clarify the detailed scope/scenarios for this use case and confirm whether site-	List of activities to be monitored are mentioned in the SOW under Clause 3.0, however use cases for unsafe activities will

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		Monitoring: Unsafe Act Detection (Work at Height Violation / Fall & Slip Detection)	specific data/video samples will be provided during implementation for training and fine-tuning of the AI module	be finalized during joint site survey, at no additional cost.
27	Scope	3. Project Overview Automated detection of missing of Personal Protective Equipment, including helmets, safety vests, gloves, goggles, safety shoes, and harnesses.	For accurate training and deployment of the PPE detection module, kindly confirm that site-specific data/video covering varying lighting conditions and environmental scenarios will be provided during implementation for training and fine-tuning of the AI module.	Yes, OIL shall provide (as per availability) the historical incident videos & training datasets
28	Scope	12. Hardware BoQ General Query	As mentioned in the BoQ, AI Processing Servers are categorized as Type-1, Type-2 and Type-3. However, the detailed technical specifications/configuration for these three server types are not clearly mentioned in the tender document. Kindly provide the detailed technical specifications for AI Processing Server Type-1, Type-2 and Type-3, including CPU, RAM, GPU, storage, and other relevant parameters, so that we can assess the adequacy of the specified server configurations for the respective AI processing requirements. Note: There is a generic Edge Device recommendation elsewhere in the tender, on Page 15/35, but it is not differentiated as Type-1, Type-2 or Type-3:	Shall be reviewed internally
29	Scope	12. Hardware BoQ General Query	The tender specifies deployment across multiple locations; however, the total number of locations and the total number of LPU/Edge AI devices are not the same. Therefore, it is not	Basic architecture is provided in the tender document. However, exact mapping to be

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			clear how the LPU/Edge AI devices are intended to be allocated across the various locations. Since the number of cameras also varies from location to location, kindly clarify the basis and methodology for mapping LPU/Edge AI devices with the respective locations/cameras. It is requested to provide the location-wise LPU/Edge AI device allocation or the sizing criteria so that we can accurately determine the required processing capacity and hardware configuration.	ascertained jointly between bidder & OIL during design phase
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11. Party K:

SL NO.	DOCUMENT	Ref Clause (Tender)	BIDDER's QUERY	OIL's RESPONSE
1	SOW	Cl. 7.13 "System should achieve a minimum detection accuracy of 90% under ideal conditions, and not less than 80% under challenging environmental conditions."	The clause does not specify (a) whether this threshold applies uniformly across all four use cases (PPE, Unsafe Act, Fire/Smoke, Prohibited Zone) or is PPE-specific, (b) the measurement methodology (per-class, per-camera, or blended), and (c) how "challenging environmental conditions" will be objectively determined for SLA/penalty purposes. Kindly confirm the use-case-wise accuracy applicability, the agreed measurement protocol (e.g., ground-truth sample size, validation frequency), and whether this accuracy threshold is linked to any Liquidated Damages / SLA penalty mechanism, or is advisory only.	Shall be reviewed internally
2	SOW	Section 8.2(a) – Maintenance & Support (M&S) Terms & Conditions, Item (xxxi), vs. Cl. 16(a)	These two provisions specify conflicting VAPT frequencies (6-monthly vs. annual). Kindly clarify the correct and binding VAPT frequency for cost estimation and compliance planning.	To be done every 6 months

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		Item (xxxi) mandates VAPT "at regular intervals (6 months) mandatorily." Cl. 16(a) (Additional Contractor's Scope) states VAPT shall be conducted "once prior to Go-Live; and at least once every year during the contractual period."		
3	SOW	Cl. 8.2(a) and Note under Cl. 13.10 "New upcoming cameras installed during the period of the project shall be included for integration and analysis" and "it is anticipated that the number of cameras will increase during the contract duration." Software BOQ (Cl. 11) prices licenses (PPE/Fire/Unsafe Act/Prohibited Zone) as "Perpetual License per camera" for a fixed quantity of 716.	The commercial mechanism for licensing/onboarding cameras added after contract signing is not defined — whether at the same per-camera rate quoted in the BOQ, through a separate rate contract/PO, or absorbed within the quoted M&S charges. Kindly confirm the pricing mechanism and PO/amendment process for onboarding additional cameras beyond the 716 nos. specified, including applicable per-camera rate basis.	Committed growth quantities during the contract duration provided in Part III of the BOQ and will be paid on actuals under Payment Milestone 6

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4	SOW	Note following Cl. 5.11 Contractor must route all cloud traffic through OIL's existing Azure Landing Zone, factor data transmission costs, security gateway/NGFW/VPN components, and SSO federation with OIL's Azure AD in their subscription.	It is not clear whether OIL will provide API/technical specifications and network bandwidth allocation for the Azure Landing Zone integration during the bid stage, or only post-LOA at the detailed design stage. This materially affects sizing and cost of the security gateway/connectivity components. Kindly confirm whether Azure Landing Zone integration specifications (bandwidth, IPsec parameters, AD federation details) will be shared during the bid/pre-award stage, or if bidders are to make provisional assumptions to be reconciled during Design phase (Cl. 10.2, Activity 2).	Will be provided during Design phase
5	SOW	Cl. 12 (Hardware BOQ) — AI Processing Edge Device Type-1/2/3, read with Cl. 5.5(b) Edge devices are specified only by camera-count capacity (30–60, 15–30, 5–15 cameras) with no mandated compute/GPU specification; Cl. 5.5(b) gives only "recommended" CPU/RAM/storage ranges.	Without a mandatory minimum FPS-per-camera-stream or GPU/compute benchmark tied to the 90%/80% accuracy requirement at Cl. 7.13, bidders may size edge hardware inconsistently, creating both a commercial disparity across bids and a performance risk against the accuracy SLA. Kindly confirm whether a minimum FPS-per-camera-stream and/or GPU/compute benchmark will be prescribed, or whether accuracy/latency compliance testing during SAT (Cl. 10.2, Activity 4) will be the sole basis for acceptance regardless of underlying hardware sizing.	Shall be reviewed internally
6	SOW	Section 2 (As-Is State) "AI based video	It is unclear whether the existing FHQ AI video analytics system is a separate vendor deployment that must be replaced/decommissioned, run in parallel, or integrated with	The existing FHQ AI-video-analytics deployment shall be assessed during the Current State Assessment.

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		analytics is being implemented for most CCTV cameras at FHQ" under a separate/existing initiative, while this tender covers PPE and Unsafe Act Detection use cases across FHQ, PHQ, RF and KGB & MBP including FHQ.	the proposed solution, and whether any data/licenses need to be migrated. Kindly clarify the name/scope of the existing FHQ AI video analytics deployment, whether it will be decommissioned or must co-exist/integrate with the proposed solution, and the ownership of any resulting integration effort and cost.	
7	SOW	Cl. 3(b) / Cl. 4.2(b) Prohibited Zone Monitoring use case includes "Unidentified people identification" and "Mobile phone utilization in restricted Areas."	"Unidentified people identification" implies a person re-identification or facial recognition capability (distinguishing authorized vs. unauthorized personnel), which is materially different in scope, data-privacy treatment (DPDP Act, 2023), and cost from generic person/intrusion detection. Kindly confirm whether Facial Recognition / biometric identification is a mandatory requirement for this use case, or whether generic person-detection-in-restricted-zone (without identity matching) satisfies this clause. If FR is intended, kindly clarify the applicable data protection/consent framework OIL will mandate.	Facial Recognition is not required
8	SOW	Section 8.2(a) – Maintenance & Support (M&S) Terms & Conditions, Item (xxxviii) Quarterly M&S payment is based on "actual Man-days of M&S services rendered	The clause does not specify the certification mechanism (timesheet, attendance log, ticketing-tool-based tracking) or the process/authority for OIL's certification of actual man-days rendered. Kindly clarify the documentation/tool-based process by which actual man-days will be tracked, submitted, and certified by OIL each quarter.	Actual man-days shall be supported by attendance or timesheets and activity or service records, submitted quarterly and certified by OIL. Payment shall be calculated using the quoted quarterly charge divided by 450, subject to the quarterly payment ceiling. The detailed certification workflow may be finalized during Assessment

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		during the respective quarter and duly certified by OIL," against an estimated 450 man-days/quarter baseline.		
9	SOW	Cl. 8.1(c) / Cl. 13.4 OIL will "provide past video footage to train AI models for local conditions" and grant "access to previously recorded CCTV footage."	Volume, duration, format, and camera-coverage of historical footage to be made available is not specified; this directly affects model customization/fine-tuning effort and timeline under Cl. 10.2 (Model Development, T1+1 to T1+2 months). Kindly confirm the expected duration (e.g., number of days/months) and coverage (which of the 716 cameras) of historical footage that OIL will provide, and the mode/timeline of access.	Yes, OIL shall provide (as per availability) the historical incident videos & training datasets
10	SOW	Section 8.2(a) – Maintenance & Support (M&S) Terms & Conditions, Item (xxxiii), vs. Cl. 5.1.1 / 5.2 Session/access/process logs are to be retained for 180 days (Item (xxxiii)), while incident video clips are retained for 7 days at edge and 30 days at central aggregation (Cl. 5.1.1, 5.2).	Kindly confirm this 180-day retention applies only to system/access logs (not video clips), and clarify the storage tier/location (edge, central, or both) where these logs are to be retained, as this has a bearing on storage sizing in Cl. 5.5. Kindly clarify the scope and storage location of the 180-day log retention requirement, distinct from the 7-day/30-day video clip retention.	The 180-day requirement applies to session logs, access logs, process logs and design-platform logs of user and system activities. This requirement is separate from the 7-day edge and 30-day central retention applicable to incident clips. The architecture, storage tier and sizing for the logs shall be finalized during Design and included in the Contractor's solution
11	SOW	Cl. 12 (Hardware BOQ) — AI Processing Edge Device Type-1/2/3,	(a) No hazardous-area classification or Ex/ATEX/PESO certification requirement is specified for the AI Processing Edge Device at any location, particularly rig sites where the	Site wise hazardous-area information to be provided during Assessment; Bidder to ensure compliance with applicable statutory

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		read with Section 2 (As-Is State) camera hardware tables and Cl. 13.3 Section 2 confirms extensive explosion-proof camera deployments (e.g., HEIPTZ-2201W-IR+HEPTZE-WM, DS-2XE6452F-IZH(R)S) across FHQ, PHQ, and rig locations. Cl. 13.3 states Contractor-provided AI equipment "will be installed in an air-conditioned room," implying safe-area placement, while the Cl. 4.1.2 Note requires dismantling/reassembly of rig-based Edge AI Devices with the rig itself.	safe-room assumption in Cl. 13.3 may not hold. (b) If a hazardous-to-safe-area cable crossing exists at any site, provision of intrinsically-safe (IS) barriers/Ex-certified junction boxes is not addressed. Kindly confirm (a) the hazardous area classification (Zone/Division or Non-Hazardous) applicable at each AI Processing Edge Device location, especially drilling/workover rigs, and whether Ex/ATEX/PESO-certified enclosures are required; and (b) if a hazardous-to-safe-area boundary exists, whether supply of IS barriers/Ex-certified junction boxes falls within Contractor's scope.	and OIL HSE requirements, at no additional cost to OIL
12	SOW	Cl. 3(a) / Cl. 4.2(a) vs. Cl. 7.4.1 Cl. 3(a)/4.2(a) (Project Objective) lists required PPE detection classes as: helmets, safety vests, gloves, goggles,	Gloves and goggles, listed as required in the Project Objective, are absent from the binding technical detection specification at Cl. 7.4.1, and "vest" vs. "coverall" is inconsistent. This creates ambiguity in the mandatory PPE class count for pricing and technical compliance. Kindly confirm the final, binding list of PPE classes to be detected (specifically whether gloves and goggles are in scope,	List of activities that fall under contractual AI scope are mentioned in the SOW under Clause 3.0 & 4.2. However, List of PPE items to be checked, use cases for unsafe activities & prohibited zone monitoring will be finalized during joint site survey, at no additional cost.

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		safety shoes, and harnesses (six classes). Cl. 7.4.1 (PPE Violation Detection technical specification) lists only: Safety Helmet, Safety Coverall, Safety Shoes, Safety Harness (four classes), and "safety vest" is replaced by "safety coverall," a different garment.	and whether "safety vest" or "safety coverall" is the correct garment), so that bidders price and design against a consistent specification.	
13	SCC	Section-III SCC, Clause 1.6 (De-mobilization), read with GCC Clause No. 25.0 (Inspection) Clause 1.6 requires handover of "Model artefacts, feature stores and training pipelines" at exit, and states "No data, models or artefacts shall be retained by the Contractor post exit." GCC Clause 25.0 gives OIL audit rights over "AI/ML models including training datasets, feature definitions, model parameters and	While handover of model artefacts at exit is mandated, the required format/standard of handover is not specified — e.g., trained model weights only, versus full training pipeline including hyperparameters, feature engineering code, and version history. Kindly confirm the expected format and standard for handover of AI/ML model artefacts at exit/de-mobilization (e.g., serialized model weights, containerized training pipeline, documented hyperparameters and feature definitions), and whether a specific model documentation template (e.g., Model Card) will be prescribed by OIL.	At exit, the Contractor shall hand over OIL-specific model artefacts, feature stores, training pipelines, configurations, deployment scripts, retraining procedures, model versions, calibration records and change history, together with technical and operational documentation. The exact formats and documentation templates shall be agreed during Design and maintained throughout the contract.

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		hyperparameters, validation and back testing results, model drift and retraining records."		
14	SOW	Section 8.2(a), Item (xxvii) — Data Classification & Protection Policy The Contractor is required to comply with "OIL's Data Classification & Protection Policy," including protecting data in transit and at rest.	The clause does not confirm whether a separate, formal Data Processing Agreement (DPA) between OIL and the Contractor is required for personal data of employees/contractor workforce captured via the video analytics system, given applicability of the DPDP Act, 2023. Kindly confirm (Yes/No) whether execution of a Data Processing Agreement is a required project deliverable, and if so, the stage at which it must be executed.	In compliance with DPDP Act
15	SCC	Note (i) under Cl. 5.5, read with Section-III Payment Terms, Item 1.1(b) – Out of Pocket Expenses Cl. 5.5 Note (i) places GSM/cellular connectivity provisioning on the Contractor for Dandewala and other OIL locations. Payment Terms Item 1.1(b) states quoted rates are	It is not clear whether the "etc." in the Out of Pocket Expenses clause is intended to include recurring cellular/GSM data connectivity costs for the 45 workover and drilling rig locations (Cl. 4.1.2) that physically relocate over the 60-month M&S period, each relocation potentially requiring new SIM provisioning/data plans. Kindly confirm whether recurring cellular/GSM data connectivity costs for relocating rig sites over the full M&S term are to be fully absorbed within the quoted M&S rates (per Payment Terms Item 1.1(b)), or may be claimed separately on an actuals basis, and whether any estimated data volume/bandwidth per rig site can be shared for budgeting purposes.	Recurring connectivity costs required for the tendered baseline scope shall be factored into the quoted price. OIL may reimburse connectivity at actuals only where suitable LAN/network connectivity cannot be provided and OIL specifically directs the Contractor under Clause 13.3.

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		inclusive of OPE for "domestic travel, boarding & lodging, transportation & dearness allowance (DA), etc.," with "No payment other than the quoted/contract rates."		
16	SOW	Cl. 7.9, read with Section-III SCC, GCC Clause No. 25.0 (Inspection) Cl. 7.9 requires the system to "take these inputs periodically to fine tune the model" using marked false positives/negatives. GCC Clause 25.0 separately gives OIL audit rights over "model drift and retraining records," confirming retraining is expected to be a tracked, recurring activity.	The periodicity of model retraining is not specified, nor whether post-Go-Live retraining effort is included within the already-quoted M&S man-days (Section 8.2(a)) or is separately billable as a Change Request once retraining volume/frequency grows. Kindly confirm the expected retraining periodicity (e.g., monthly/quarterly) and whether this activity is deemed included within the quoted M&S Charges/man-days, or is chargeable separately.	It shall be done as many times as required to ensure adherence to SLAs mentioned; without separate payment

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Pre-Bid Meeting Minutes

Tender No. GEM/2026/B/7902194 dated 11.08.2026

Name of Work: Hiring the services to implement a comprehensive PPE and Unsafe Act Detection Using Video Analytics solution.

Date & Time: 25.08.2026 from 10:00 AM onwards

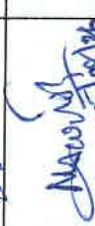
Venue: Auditorium (Ground Floor), OIL's Corporate Office, Plot No. 19, Near Film City, Sector 16A, Noida - 201301

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	Sanjay Goswami	CDO	 25/8/26	1	SAURABH SRI	OGES	CEO	
2	C.B. PRASAD	Project Manager (Drive 2.0)	 25/8/26	2	NEELAJ S.	1 ENG 97	DIR EPMR	
3	~~SAURABH SRI~~	~~CDO~~	X	3	M.H. Khan	TVPL	Com-cascade	
4	~~NEELAJ S.~~	~~Project Manager~~	X	4	Vishu Agarwal	HEL Tech Noida	Sr Asst	

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OIL's Representative				Bidder's Representative				
Sr. No.	Name	Designation	Signature & Date	Sr. No.	Name	Firm's Name	Designation	Signature & Date
5	BINAY CHETTRI	DPM-W&E	 25/08/2024	5	Mohd. Afzal	henscorp	VP Sales	
6	SHRUTI TAYE	SR. OFFICER (CONTRACTS)	 25-08-2024	6	Ravikant	Scale IQ	Sales Manager	
7	M M PEGU	CE - IT	 25/08/2024	7	Sunay	Nurapho	Pn Sales Manager	
8	N. Hareesh	Manager - F&A	 25/08/2024	8	Sourabh Chughan	Varg Innovate	e-Manager	
9	DHIRAJ LANGRISH	CE (IT) T	 25/08/24	9	AVINASH TRIPATHI	METAFUSION	CISO	
10				10	Sourav Dolekar	Wilestrong	Manager	
11				11	Chitwan Gang	Scale ID	CBO	
12				12	Rajvanshu	4	Head Corp.	
13				13	Aditya	HL Tech	Manager	
14				14	Rajesh Rajgupta	P. T. PL	Director	

OIL INDIA LIMITED

OIL's Representative

Bidder's Representative

Sr. No.	Name	Designation	Signature & Date	Sr. No.	Name	Firm's Name	Designation	Signature & Date
15				15	Socaelu	Algetwin	CEO	S
16				16	Vengold	Algetwin	Director Engineering	
17				17	Ankur Garg	Topskill	BDM	
18				18	Jaspreet Kaur	Prisma	Sr. Manager	
19				19	Pradeep Nair	TCL	DGM	
21				21	Aastha Tain	Oges	Senior consultant	
22				22				
23				23				
24				24				
25				25				