

OIL INDIA LIMITED
(A Government of India Enterprise)
P.O. Duliajan-786602, Assam, India
E-mail: material@oilindia.in

INVITATION FOR BID. LOCAL COMPETITIVE BID

OIL INDIA LIMITED invites Local Competitive Bid (LCB) through its e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for the following items:

E-Tender No	Bid Closing/Opening Date	Item Description
SDI7433P16 dtd. 09.06.2015	06.08.2015	CCTV Surveillance System.

Tender fee (Non-refundable): Rs 1,000.00; Bid Closing/Opening Time: **(11 Hrs.) IST/(14 Hrs.) IST**; Period of sale of documents: **Till one week prior to bid closing date**. The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website www.oil-india.com.

NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e-portal only and no separate notification shall be issued in the press. Bidders should regularly visit above website and e-portal to keep themselves updated.



OIL INDIA LIMITED
(A Government of India Enterprises)
PO : Duliajan – 786602
Assam (India)

TELEPHONE NO. (91-374) 2808719

FAX NO: (91-374) 2800533

Email: tuhin_roy@oilindia.in ; erp_mm@oilindia.in

FORWARDING LETTER

Tender No. : SDI7433P16 dated 09.06.15

Tender Fee : Rs 1,000.00

Bid Security Amount : Rs 10,66,000.00

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Bid Closing on : As mentioned in the e-portal

Bid Opening on : -do-

Performance Security : Applicable

Integrity Pact : Applicable

OIL invites Bids for **CCTV Surveillance System** through its e-Procurement site under **SINGLE STAGE TWO BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions.. The details of items tendered can be **found in the Item Data and details uploaded under Technical RFX.**

The tender will be governed by:

- a) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.
- b) Technical specifications and Quantity as per **Annexure – 1A**.
- c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.
- d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- e) All corrigenda, addenda, amendments, time extension, clarifications etc. To the tender will be hoisted on OIL’s website (www.oil-india.com) and in the e-portal (<https://etenders.srm.oilindia.in/irj/portal>) only and no separate notification shall be issued

in the press. Prospective bidders are requested to regularly visit the website and e-portal to keep themselves updated.

- f) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- g) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area -> Tender Documents. The above filled up document to be uploaded in the **Technical RFX** Response.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered (**documentary evidence to be provided along with the bid in Technical RFx -> External Area -> Tender Documents**) as on the Bid Closing Date:

Criteria	Complied / Not Complied. Documentary evidence submitted / not submitted
Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 10.66 Crores.	

Note: Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Received Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above. For Annual financial turnover enclose the audited Annual Reports or balance sheet certified by a chartered accountant.

2.0 Application showing full address/email address with Tender Fee (Non-refundable) of Rs. 1,000.00 in favour of M/s Oil India Limited and payable at Duliajan is to be sent to Head-Materials, Oil India Limited, P.O. Duliajan, Assam-786602. Application shall be accepted only upto one week prior to the bid closing date (or as amended in e-portal). The envelope containing the application for participation should clearly indicate “REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO ...” for easy identification and timely issue of user ID and password. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL’s e- Procurement portal. No physical tender documents will be provided. Details of NIT can be viewed using “Guest Login” provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL’s web site www.oil-india.com.

NOTE:

a) Tender Fee may also be paid online upto one week prior to the bid closing date (or as amended in e-portal).

b) PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.

3.0 The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidders are required to submit both the “TECHNO-COMMERCIAL UNPRICED BID” and “PRICED BID” through electronic format in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender.

3.1 Please ensure that Technical Bid / all technical related documents related to the tender are uploaded in the Technical RFx Response-> User - > Technical Bid only. The “TECHNO-COMMERCIAL UNPRICED BID” shall contain all techno-commercial details except the prices. Please note that no price details should be uploaded in Technical RFx Response.

3.2 The “PRICE BID” must contain the price schedule and the bidder’s commercial terms and conditions. The prices of the items should be quoted in “Conditions Tab”. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under “Notes & Attachments”.

3.3 A screen shot in this regard is given below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in Annexure-CCC.

Display RFx Response:

Edit | Print Preview | **Technical RFx Response** | Close | Withdraw | View

RFx Response Number 60006452 RFx Number TEST2 Status Submitted
RFx Owner WIPRO_TEST1 Total Value 0.00 INR RFx Response V

RFx Information | Items | **Notes and Attachments** | Conditions

Basic Data | Questions

Event Parameters

Currency: Indian Rupee

Detailed Price Information: Price with Conditions

Terms of Payment: 9010 90% against despatch+10% after receipt

Service and Delive
Incoter
and Statist
Created C
Created E
Last Processed C
Last Processed E

▼ Partners and Delivery Information

Details | Send E-Mail | Call | Clear

Function	Number	Name	Valid fr
The table does not contain any data			

Go to this Tab “Technical RFx Response” for Uploading “Techno-commercial Unpriced Bid”.

Go to this Tab “Notes and Attachments” for Uploading “Priced Bid” files.

On “EDIT” Mode- The following screen will appear. Bidders are advised to Upload “Techno-Commercial Unpriced Bid” and “Priced Bid” in the places as indicated above:

Bid on “EDIT” Mode

Note :

* The “Techno-Commercial Unpriced Bid” shall contain all techno-commercial details **except the prices.**

** The “Price bid” must contain the price schedule and the bidder’s commercial terms and conditions. For uploading Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on Sign to sign the Sign. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Attachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and click on OK to save the File.

4.0 Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with **Tender no.** and **Due date** to **Head Materials, Materials Department, Oil India Limited, Duliajan - 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

- a) **Original Bid Security**
- b) **Detailed Catalogue (if any)**
- c) **Any other document required to be submitted in original as per tender requirement**

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

5.0 Benefits to Micro & Small Enterprises (MSEs) as per prevailing Govt guidelines as applicable on B.C date shall be given. MSEs who are interested in availing the benefits will upload with their offer proof of their being MSE registered for the item tendered. The MSE are also required to upload scanned copies of relevant documents indicating details of registration alongwith validity, name of the registering organization and details of the item, ownership etc., failing which, their offer may not be liable for consideration of benefits to MSEs.

6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

7.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

8.0 Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.

9.0 **SINGLE STAGE TWO BID SYSTEM** shall be followed for this tender and only the PRICED-BIDS of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.

10.0 a) **The Integrity Pact is applicable against this tender. Therefore, please submit the Integrity Pact document duly signed along with your quotation as per BRC. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be submitted by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway".**

b) **The name of the OIL's Independent External Monitors at present are as under:**

**SHRI RAGHAW SHARAN PANDEY, IAS (Retd.),
Former Secretary, MOP & NG,
e-Mail ID : rspandey_99@yahoo.com**

**SHRI RAJIV MATHUR, IPS (Retd.)
Former Director, IB, Govt. of India,
e-Mail ID : rajivmathur23@gmail.com**

11.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed **Annexure-CCC**. However, if any of the **Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (as per Annexure-CCC)** contradict the **Clauses of the tender and / or "General Terms & Conditions"** as per Booklet No. MM/LOCAL/E-01/2005 for E-procurement (LCB Tenders) elsewhere, those in the **BEC / BRC** shall prevail.

12.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

13.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

Sd-
(T. ROY)
DEPUTY MANAGER MATERIALS (IP)
FOR : HEAD-MATERIALS

Tender No & Date: SDI7433P16 dated 09.06.15**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the “Bid Rejection Criteria” as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/LOCAL/E-01/2005 elsewhere, those in the BRC / BEC shall prevail.

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>The bid shall conform generally to the terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p>A) TECHNICAL:</p> <p>1. <u>Bidder's Experience</u> :</p> <p>a) The bidder must have experience of implementing at least one similar campus/ township Security Surveillance System in other PSUs/ Govt. organizations/ public limited companies during the last seven years from the bid closing date. Implementations carried out in closed premises like malls/ office buildings will not be considered as relevant in this case.</p> <p>b) The implementation should have had a minimum of 35 surveillance cameras</p> <p>c) The project should be of minimum Rs. 3.00 (Three) Crores value.</p> <p>d) The bidders must submit copy of Purchase Order along with the bid to substantiate the same. Bidders not conforming to/ quoting against "Bidders Experience" and/ or not providing documentary evidence shall be rejected.</p> <p>2. The bidder must quote for fiber optic cable laying. Bids for a non-OFC implementation will be rejected.</p> <p>3. All items must be supplied by single vendor. Bidders not quoting for all items in the NIT will be rejected.</p>	

B) COMMERCIAL:

i). Validity of the bid shall be minimum 120 days from the Bid Closing Date.

ii). Bid security:

The bid must be accompanied by Bid Security of **Rs 10,66,000.00** in OIL's prescribed format as Bank Guarantee or a Bank Draft/Cashier cheque in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to Head Materials, Materials Department, Oil India Limited, Duliajan-786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 10 months from Bid closing date. (i.e. upto 06.06.2016).**

Bid Security may also be paid online on or before the Bid Closing Date and Time mentioned in the Tender.

If bid security in ORIGINAL of above mentioned Amount and Validity is not received or paid online within bid closing date and time, the bid submitted through electronic form will be rejected without any further consideration.

For exemption for submission of Bid Security, please refer Clause No. 8.8 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

The format of Bank Guarantee towards Bid Security (Annexure – VII) has been amended to Annexure – VII (Revised) and bidders should submit Bank Guarantee towards Bid Security as per Annexure – VII (Revised) only.

In case of extension of Bid Closing date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. Date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

iii). Bids are invited under “Single Stage Two Bid System”. Bidders have to submit both the “Techno-commercial Unpriced Bids” and “Priced Bids” through electronic form in the OIL’s e-Tender portal within the bid Closing date and time stipulated in the e-tender. The Techno-commercial Unpriced bid is to be submitted as per scope of works and Technical specification of the tender and the priced bid as per the online Commercial bid format. For details of submission procedure, please refer relevant para of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. Any offer not complying with the above shall be rejected straightway.

v). Performance Security:

a) 1st Performance Security @ 10% of total value of the materials + Installation & commissioning + Warranty of 3 years shall be submitted after receipt of order. The Performance Security shall be valid for entire period of warranty of 3 years from the date of commissioning.

b) 2nd Performance Security @ 10% of AMC value shall be submitted before expiry of 1st Performance Security. The Performance Security shall be valid for entire period of AMC of 4 years.

Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

For exemption for submission of Performance Security, please refer Clause No. 9.12 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders.

- iv). *The Bank Guarantee should be allowed to be encashed at all branches within India.*
- v). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- vi). Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- vii). All the Bids must be Digitally Signed using “Class 3” digital certificate with Organisation’s name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3 with Organisation’s Name” digital certificate, will be rejected.
- viii). Technical RFx Response folder is meant for Technical bid only. Therefore, No price should be given in Technical RFx Response folder, otherwise the offer will be rejected.
- ix). Price should be maintained in the “online price schedule” only. The price submitted other than the “online price schedule” shall not be considered.

xi). Integrity Pact :

OIL shall be entering into an Integrity Pact with the bidders as per format

enclosed vide Annexure DDD of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be submitted by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact with the offer, their bid shall be rejected straightway".

xii). A bid shall be rejected straightway if it does not conform to any one of the following clauses:

(a) Validity of bid shorter than the validity indicated in the Tender.

(b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.

(c) Bid Security with (i) Validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.

(d) In case the Party refuses to sign Integrity Pact.

(e) Average Annual Turnover of a bidder lower than the average Annual turnover mentioned in the Tender.

2.0 BID EVALUATION CRITERIA (BEC)

The bids conforming to the terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria as well as verification of original of any or all documents/ documentary evidences pertaining to BRC, will be considered for further evaluation as per the Bid Evaluation Criteria given below.

A) TECHNICAL:

1. The total quoted cost of equipment, installation and commissioning, training, control room operations, Warranty of 3 years and Annual Maintenance Services (4 years) costs will be considered for evaluation of technically acceptable bids.

2. The cost of fiber optic cable laying (45,000 meter) will be considered for bid evaluation. However, the payment against this item will be made on actuals.

B) COMMERCIAL:

i). To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

ii) Priced bids of only those bidders will be opened whose offers are found technically acceptable. The technically acceptable bidders will be informed before opening of the "priced bid".

iii). To ascertain the substantial responsiveness of the bid OIL reserves the

right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.	
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NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI7433P16 dated 09.06.15

		Complied / Not Complied (Remarks if any)
	Oil India Limited (OIL) is a premier Indian National Oil company under the administrative control of Ministry of Petroleum and Natural Gas, Govt. of India, engaged in the business of exploration, development and production of crude oil and natural gas, transportation of crude oil and production of LPG intends to implement CCTV Surveillance System for its Township, Civil Engineering Department, Materials Department, Contracts Department, IT Department and Remote Drilling Sites on a turnkey basis.	
	<p><u>Pre-bid Survey of CCTV Surveillance System:</u></p> <p>Prospective bidders may carry out a reconnaissance of the OIL Township to ascertain the BOM to be quoted. Security/ Civil Engineering/Materials/Contracts/IT Departments may be contacted before the bidder's personnel arrive to carry out the survey.</p>	
	<p><u>Note:</u></p> <p>a) Locations of Cameras and other diagrams attached. b) Items Checklist for compliance attached. c) Since this is a turnkey project, all items must be supplied by the vendor.</p>	
	<p><u>Scope of Work:</u></p> <p>The successful bidder will be responsible for implementing the entire project on a turnkey basis. The jobs to be carried out by the successful bidder are:</p> <ol style="list-style-type: none"> Set up a single-mode fiber optic network to connect the CCTV cameras at OIL Township, Civil Department, Materials Department, Contracts Department and IT Department to the central control room. This will include <ol style="list-style-type: none"> Trenching, Conduiting through HDPE pipes(underground). Conduiting through GI pipes from ground level to junction box. Laying of FO cable. The cable route must be properly marked with concrete markers at every 50 metres. The text to be written on each marker will be finalized at the time of implementation. Install and set up the CCTV cameras as per the list. Set up the central control room for CCTV with all necessary monitoring facilities <ol style="list-style-type: none"> Necessary servers and storage facilities to record all video footage with redundancy to ensure round-the-clock availability of the system Display screens for real-time viewing of video footage and also viewing of footage already recorded. UPS as per detailed BoM Operation of the central control room for a period of One (1) year from the date of commissioning (24x7x365). This will also include onsite training of OIL personnel. The vendor's personnel will be responsible for monitoring, assisting OIL security personnel and any other relevant jobs. A minimum of 4 personnel must be considered exclusively for this 	

	<p>job.</p> <p>5. Warranty support of all supplied equipment and software for 3 years.</p> <p>6. AMS of supplied equipment and software for a period of four (4) years after the expiry of the warranty period.</p> <p>7. Replacement of all defective equipment during warranty and AMS periods.</p> <p>8. Supply of all hardware, software and any required accessories to complete the entire project.</p> <p>9. Placement of one support engineer and two technician (in addition to operators mentioned in [4] above) onsite at Duliajan during warranty and AMS.</p> <p>10. Civil Department must be able monitor the footage of the cameras installed in Civil Department also after its being hooked up with the central system. The Civil Department Control Room will continue to function even after the central Control Room becomes operational.</p> <p>13.If OIL requires any new location under the surveillance during warranty period, the vendor must supply and install the additional items at the same rates and under same terms and conditions.</p> <p>14. For remote drilling installations (15 Locations) bidder has to supply and install Explosion Proof CCTV systems for each location. The mobile CCTV systems must consist of an NVR and monitor connected to the camera installed in each location. The mobile CCTV systems may need to be shifted by the vendor every 3 to 4 months.</p> <p>15. The mobile drilling locations will operate in stand-alone mode. However, the CCTV system must have the facility to connect over network to the central control room in Security Department. The camera footage must be saved locally in the NVR at each remote location and the central control room must have the capability and provision to pull/ access the saved data over the network.</p> <p>17. All electrical power supply jobs required to provide power to the equipment at each location will be the responsibility of the successful bidder.</p> <p>18. Continuous power supply to CCTV (except at mobile locations) shall be monitored by the vendor's personnel and the same needs to be rectified when necessary. All spares including poles, cables, MCB, RCD, plug sockets etc. required for rectification shall be supplied, installed and commissioned by the vendor.</p> <p>19.If maintenance is required at the power tapping point from OIL's installations, the vendor's personnel will inform Electrical Engineering Department and ask for shutdown.</p> <p>20. The bidder or Sub-Contractor engaged by the bidder for electrical work must have valid Electrical Contractor License issued by state Electrical Licensing Board, Assam or appropriate authority of State/Central govt</p> <p>21. The personnel working in the electrical circuit shall have Valid wireman/electrician permit issued or recognized by State Licensing Board , Govt of Assam.</p> <p>22.While working in the electrical circuit including poles and cables, the vendor's personnel shall use PPE and follow all safety practices as per CEA regulations.</p> <p>23.The tools and tackles, transportation etc. required for operation and maintenance of the entire system shall be arranged by the vendor. However OIL may provide transport for attending calls/installation at mobile locations only.</p>	
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	<p><u>General Terms and Conditions:</u></p> <ol style="list-style-type: none"> 1. Bidders must have designated office/ single point of contact in Assam. Address of the same must be submitted with the bid. 2. The bidder must submit the Manufacturer's Authorisation Form (MAF) for the quoted Cameras,NVR, NVMS, Industrial grade PoE Switch, UPS and Cisco switches. 3. All types of Cameras, NVR and NVMS must be from same OEM. 4. The successful bidder must follow all safety norms prescribed by OIL while carrying out the job. 5. The successful bidder has to obtain necessary security passes, etc. for his personnel to enter the worksites. OIL shall facilitate the process. 6. Successful bidder has to arrange for all necessary tools, measuring equipment for carrying out the job. 7. Successful bidder has to arrange for their own accommodation and transport during implementation, warranty and AMS periods. 8. All onsite personnel stationed by the vendor at Duliajan for operations and maintenance of the entire solution will have to be paid a minimum salary of Rupees 6,500/- (Basic + DA) per month. 	
	<p><u>Terms & Conditions for the Electrical Component of this project:</u></p> <ol style="list-style-type: none"> 1. The bidders or his sub-contractor must possess valid electrical contractor license from the appropriate Govt. (Central/State) authority or else must have tie-up with an Electrical Firm having the requisite electrical contractor license. Bidder shall submit an undertaking with their offer that the said tie up shall remain valid till completion of the electrical installation and commissioning jobs. 2. The bidders shall also submit an undertaking with the offer for following: <ol style="list-style-type: none"> a) The bidder shall employ work persons with valid electrician/wireman permits/license issued or recognized by appropriate Govt.(Central/state) authorities to carry out all electrical jobs. b) Bidder shall employ one electrical supervisor to supervise the jobs performed by the teams to the satisfaction of the company. The supervisor shall possess valid supervisor's certificate of competency issued/recognized by appropriate Govt. (Central/state) for supervision of electrical jobs. 	
	<p><u>Electrical Part: Special Terms and Conditions</u></p> <ol style="list-style-type: none"> 1. Available power supply from OIL's installations: 230 V, AC, 50HZ, single phase. Power shall be fed to the UPS through an isolating device having, overload, short circuit and earth leakage protection for the safety of devices and lives. Power will be available in a single point. 2. Voltage, frequency and phase available will be 230V, 50 Hz, single phase. The party will make appropriate arrangement like increasing the size of cable, step up devices etc. for getting required quality of power for camera devices. 3. On finalization of the contract, the party along with electrical personnel will visit the locations and finalize the electrical plan for underground cable trench or overhead stringing of cables and other electrical works. The bidder will prepare the plan and get it approved 	

<p>from Electrical Engineer in Charge before starting of electrical works.</p> <p>4. The make and model of electrical items shall be as mentioned in the PR or approved by Electrical Engineer in Charge.</p> <p>5. The party will tap power from nearest OIL installation in a single point. Power may be available in an outdoor unit like feeder pillar, overhead line etc. In that case the party shall have to mount the isolating device with overload, short circuit and earth leakage protection in an IP 65 enclosure. The box shall be fixed in a safe place. The cable shall be connected using appropriate size lugs and glanding have to be done at cable entry/outgoing point with appropriate size gland.</p> <p>6. In case power is available in an indoor installation, in that case also isolating device shall be mounted in an enclosure of IP 43. All cable connection shall be done using lug, glands etc.</p> <p>7. Under ground cable laying procedure:</p> <p>a) The normal size of the trench will be 45 cms. wide and depth of 75 cms. The bottom of the trench must be levelled and properly dressed. Any change in the above mentioned size shall be instructed by the Engineer- in - Charge. Cable shall be laid through GI pipe and buried in the trench.</p> <p>b) Bricks shall be placed crosswise (irrespective of one or more cables laid in the trench pit) over the cable /cables as well as the entire pit as per instructions. There shall be at least ten bricks in every 1150 mm long normal trench and covering the entire cable/cables (brick size 230mm x 115mm). The bricks should be placed close to each other without any gap. Broken bricks shall not be allowed to use.</p> <p>c) After the bricks have been laid the trench shall be filled back with earth (cut earth from the trench) and rammed properly in layers of 25 cms.</p> <p>d) Cable route markers shall be fixed as per instructions.</p> <p>8. Overhead cable stringing</p> <p>i) In case of tapping power from overhead electrical line, termination from overhead line to the incomer isolating device i.e power tapping shall be done by OIL. However all materials like 3X6 sqmm PVCA Aluminium cable, U clip, binding wire, cable gland and lugs, required for termination/connection from overhead line to incomer RCBO shall be supplied by the party.</p> <p>ii) Supply, erection, concreting of pole base as per CPWD standard and stringing of cable in the 9 mtr step pole is in the scope of the party.</p> <p>iii) Electrical Poles shall have following specification :</p> <p>STEEL TUBULAR POLES FOR OVERHEAD LINE 9 mtrs Long Steel stepped Tubular Poles, conforming to IS: 2713 (Part-I&II)-1980 with the following specifications:</p> <p>1) Designation: 410 SP-30</p> <p>2) Material of construction: Conforming to grade Yst 240 of IS:1161-1979</p> <p>3) Corrosion Protection: Pole planting depth should be coated with Bituminous paint as per IS: 1580-1968 and rest of the Pole length be painted with 1(one) coat of red oxide primer as per IS: 2074-1979.</p> <p>4) Earthing Arrangement: Each Pole should be provided with a through hole of 14mm diameter at a height of 300 mm above the planting depth.</p> <p>5) Base Plate: Mild steel Base plate of 300mmx300mmx6mm size should be welded to the bottom of the each Pole as per IS: 2713.</p> <p>6) Tests and test certificates: Tests as per IS: 2713, 228(for sulphur & phosphorus content), 1894 (for finished poles) should be carried out on the Poles and relevant certificates should be sent along with the materials.</p> <p>7) Markings: Pole designation, manufacturer's identifications mark and year of manufacture should be mark on each Pole as per IS: 2713.</p> <p>Pole shall be comprises with Angle Iron Cross arm of suitable size to fix the cable.</p> <p>8) Planting depth of poles shall be : 1.8 metre for 9 metre long pole. The planting depth of the pole shall be as per DSR 2012 11.3 and with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and</p>	
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	<p>refilling etc. as required.</p> <p>9) Supplying and erection of stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, bow lightener, 3/8" SWG G.I. stay wire foundation including excavation and refilling etc. as required.</p> <p>10. 2" GI pipe for cable entry. GI pipe shall be fixed on the pole where cable shall be taking in and taking out to/from the cable trench. Cable shall be passed through the GI pipe and entered in the trench and out of the trench through the pipe. Pipe shall be attached with the pole by using clamp with nut & bolts. Make of GI pipe: Tata/jindal</p> <p>11. Stringing of overhead cable. 6 SWG GI wire and the 3x 4.0 mmsq or 3X6.0 mmsq Copper PVCA cable shall be bound by using binding wire and wrap with black adhesive tape. Binding shall be done in the cable with GI wire at a distance of .75 CM .Binding distance shall be uniform for entire length of cable. Binding shall be tight to carry the load of cable during stringing. Stringing of cable shall be done from one pole to another and carry on if required.</p> <p>9. All electrical items and works are to guaranteed for one year from the date of commissioning</p> <p>10. The party shall submit the following details after commission:</p> <p>i) Location wise electrical schematic diagram showing make, model, rating of electrical items with quantity/length.</p> <p>ii) The party shall submit test reports signed by a person having valid electrical supervisory license of competency.</p> <p>11. All materials required for cable trench and stringing on poles are in the scope of supplier.</p>	
	<p>SPECIAL NOTES:</p> <p>1. Party shall supply the items as per requirement in the field.</p> <p>2. The party shall have valid Electrical Bidder License issued or recognized by appropriate Govt. authority. In case license expires during contract period the same shall be renewed by the party. The contract shall be terminated if the license is not renewed if required.</p> <p>3. Party shall employ work persons with valid wireman license issued by appropriate Govt. authority, to carry out all electrical jobs and shall employ one supervisor holding valid supervisor's competency certificate for supervision of electrical jobs.</p> <p>4. All materials and services required for arranging power from OIL installations are in the scope of the party/supplier.</p> <p>5. The party shall take approval from Electrical Engineer in Charge before tapping power form OIL's source. The party shall start working in electrical circuit after getting clearance sheet from OIL's electrical personnel.</p> <p>6. The party shall follow standard procedures described by OIL and other relevant Indian Standard for all electrical works.</p>	
	<p>SAFETY PROCEDURE:</p> <p>1. The National Electricity Code as amended up to date, are to be followed in their entirety. Any installation or portion of installation which does not comply with these codes should be got rectified immediately.</p> <p>2. The detailed instructions on safety procedures given in B.I.S. Code No. 5216-1969-"Code of Safety Procedures and Practices in Electrical Works" shall be strictly followed.</p> <p>3. No inflammable materials shall be stored in places other than the rooms specially constructed for this purpose in accordance with the provisions of Indian Explosives Act. If such storage is unavoidable, it should be allowed only for a short period and in addition, special precautions, such as cutting off the supply to such places at normal times, storing</p>	

	<p>materials away from wiring and switch boards, giving electric supply for a temporary period with the permission of consultants shall be taken.</p> <p>4. The electrical switchgears and distribution boards should be clearly marked to indicate the areas being controlled by them.</p> <p>5. Before energizing on an installation after the work is completed, it should be ensured that all tools have been removed and counted, no person is present inside any enclosure of the switch board etc. any earthing connection made for doing the work has been removed.</p>	
	TECHNICAL SPECIFICATIONS:	
	<p><u>Item No 1. Outdoor Fixed IP Day-Night Colour HD (1080p) PoE Camera (Box Type) (Qty = 25 Nos)</u></p> <p>Make/Model: Bidder must specify</p> <p>Image Sensor Type: 1/2.9 inch CMOS or better Signal Format: PAL Scanning System: Progressive Sensitivity: Colour: 0.3 Lux or better, B-W: 0.06 Lux or better Lens: Minimum 3 Megapixel HD Lens Focal Length: 15mm to 40 mm or better Resolution / Pixels: 1080p (1920 x 1080) or Better Frames per Second: 30/25 fps Video Compression: H.264 and MJPEG both must be supported Local Storage: Camera should have in built 32 GB memory card Signal to Noise Ratio: More than 50 dB Wide Dynamic Range: More than 65 dB Protocols: IPv4, IPv6, HTTPS, RTSP, RTP, RTCP, ICMP, SNMP Ethernet: 100/1000 Base-T, auto-sensing, half/full duplex, RJ45 Power Supply: PoE (IEEE 802.3af compliant) Lightning and Surge Protection: Camera Shall be equipped with inbuilt surge protection or an external surge protection device (MTL/ Cooper Crouse Hinds/ OBO Bettermann/ Pepperl+Fuchs/ Phoenix) must be supplied. Operating Temperature: 0°C to 40°C Certification: CE, FCC, UL and Onvif profile S certified as on date of submission of bid.</p> <p>Others:</p> <p>*Camera Housing & Lens should be from the same OEM. *Weatherproof NEMA-4X/ IP66, IK 10 Vandal Proof housing for camera must be supplied. * WEATHER PROOF IP 66 JUNCTION BOX (185mmX512mmX512MM) FOR CCTV SYSTEM must be supplied. * Other necessary accessories (cables, connectors, power supply cable, Camera mounting etc.) for successful installation & commissioning of camera must be supplied.</p>	
	<p><u>Item No 2. Outdoor PTZ IP Day-Night Colour HD(1080p) PoE Camera (Qty = 60 Nos):</u></p> <p>Make and Model: Bidder must specify Image Sensor: 1/2.9 CMOS or better Scanning System: Progressive Lens: Minimum 2 Megapixel HD Lens Focal Length: 4.3 to 129 mm.</p>	

	<p>Optical Zoom : 30X or better Digital zoom: 12 x or better Sensitivity : Colour: 0.5 Lux or better, B-W: 0.1 Lux or better Resolution: 1080p(1920x1080) or better Pan/ Tilt: Pan: 360 degree endless rotation Tilt: 90 degree or better Signal to Noise Ratio: More than 50 dB Wide Dynamic Range: 90 dB or better Compression: H.264 and MJPEG both must be supported Local Storage: Camera should have in built 64 GB memory card Ethernet: 100/1000 Base-TX RJ 45 Supported Protocols: IPv4, IPv6, RTP, RTSP, HTTP, HTTPS, ICMP, SNMP Lightning and Surge Protection : Shall be equipped with inbuilt surge protection or with an external surge protection device (MTL/ Cooper Crouse Hinds/ OBO Bettermann/ Pepperl+Fuchs/ Phoenix) Power Supply: PoE (IEEE 802.3af compliant) Operating Temperature: 0° to 40°C Certification: CE, FCC, UL and Onvif profile S certified as on date of submission of bid. Others: * Camera Housing & Lens should be from the same OEM. * Weatherproof NEMA-4X/ IP66, IK 10 Vandal Proof housing for camera must be supplied. * WEATHER PROOF IP 66 JUNCTION BOX(185mmX512mmX512MM) FOR CCTV SYSTEM must be supplied. * Other necessary accessories (cables, connectors, power supply cable, Camera mounting etc.) for successful installation & commissioning of camera must be supplied.</p>	
	<p><u>Item No 3. Explosion Proof PTZ Camera for remote drilling location (Qty = 15 Nos)</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Image Sensor Type: 1/4" CCD / CMOS Colour Sensor Signal Format: PAL</p> <p>Lens Focal Length : 3.4 mm to 122.4 mm Sensitivity: Colour : 0.7 Lux or better; B/W : 0.02 Lux Resolution 460 TVL or better Effective Pixels: PAL/440K: 752× 582; Frames per Second: 25 frames at 4CIF / 2CIF / 1CIF.</p> <p>Pan / Tilt Pan: 360 degree endless rotation Tilt: -90 to +90 degree</p> <p>Signal to Noise Ratio: More than 50 dB</p> <p>Ethernet interface: IP Camera or Analog Camera with single channel encoder with IP interface must have – 10 Base T / 100 Base-TX (RJ-45) PoE IEEE 802.3af support is Optional.</p>	

	<p>Lightning and Surge Protection: Shall be equipped with inbuilt surge protection or with external surge protection devices of MTL / Stahl / P+F / Phoenix / Obo Betterman makes</p> <p>Operating Temperature: 0° to 55°C or better</p> <p>Enclosure: Weatherproof NEMA-4X/ IP-66 or better . Shall be the same Make of the camera OEM . The camera housing shall be explosion proof and shall be suitable for installation in hazardous area The camera housing(s) shall be certified explosion proof for housing the offered camera . All active components must be enclosed in the explosion proof enclosure.</p> <p>Outer Enclosure material of construction 316L or equivalent Stainless Steel construction, Corrosion resistant, suitable for outdoor installation</p> <p>Mount : The Camera will be installed in drilling location and accordingly suitable mounting arrangement for mounting the camera system on wall / roof/pole must be supplied as per site conditions.</p> <p>Product Safety: CE, FCC & PESO certified as on date of submission of bid.</p> <p>Explosion proof & Weatherproof Junction Box(185mmX512mmX512MM): Suitable for Area Classification CLASS I, DIV. I GROUP C as per API-RP-500C for Hazardous Area. All the junction boxes shall be certified for required / specified explosion proof & weather-proof certifications. It must be PESO certified as on date of submission of bid.</p> <p>Others: All accessories like cables, connectors etc. must be explosion proof and supplied along with cameras.</p>	
	<p><u>Item No 4. NVR 256 Channel with 120 TB storage(Qty = 2 Nos)</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Type: Rack-mountable</p> <p>Dedicated Network Video Recorder to connect up to 256 IP cameras (minimum) with HA. This solution includes NVR Servers (2 Nos) in HA mode for simultaneous recording & playback with 120 TB storage in each NVR.</p> <p>Network: Dual Gigabit Ethernet (RJ-45 port)-10/100/1000 Mbps</p> <p>USB Port: Minimum 2x USB 2.0 Port</p> <p>RAM: 8 GB or Higher</p> <p>Video Compression:H.264 and MPEG-4/ M-JPEG</p> <p>Recording Support: The offered NVR must be able to support simultaneous recording of 256 IP cameras at 4CIF resolution</p> <p>Recording Resolution: 1080p (1920x1080), D1/ 4CIF, CIF</p> <p>Network Protocol Support: IPv4, IPv6, HTTPS, SNMP, ICMP, FTP etc.</p> <p>Power Supply: 230 VAC, 50 Hz, Indian standard power cable must be supplied.</p> <p>Certification: FCC and Onvif certified as on date of submission of bid</p>	
	<p><u>Item No 5. NVR 8 Channel with Display Unit (Qty = 15 Sets)</u></p> <p>Make/Model: Vendor must specify</p> <p>Camera Support: Minimum 8 IP cameras.</p> <p>Storage: Minimum 4 TB</p>	

	<p>Certification: FCC and Onvif certified as on date of submission of bid.</p> <p>Other Accessories:</p> <p>a) 22" LED monitor with resolution (Native) 1680 x 1050 pixels.</p> <p>b) Mouse, Keyboard</p> <p>d) Media CD/ Drivers if any</p> <p>e) Power cables (Indian standard) along with all other necessary cables must be supplied.</p>	
	<p><u>Item No 6. Professional Display Unit 75-80 Inch (Qty = 3 Nos).</u></p> <p>Make/Moder: Bidder Must Specify</p> <p>Type of Monitor: 75-80 inch LED Colour Monitor</p> <p>Panel: LED</p> <p>Aspect ratio: 16:9</p> <p>Display Wide screen large format display with full HD picture quality & high contrast ratio</p> <p>Display Resolution: 1920 x 1080 or better</p> <p>Sync format: PAL</p> <p>Brightness 700 cd/m² or better</p> <p>Response time 9ms or better</p> <p>Viewable picture area Bidder to specify</p> <p>View Angle 178° or better</p> <p>Contrast ratio 5000: 1 or better</p> <p>Display Colours 16 million</p> <p>Indicators/ Controls User friendly on-screen menus & front panel controls, indicators</p> <p>Speakers Integrated</p> <p>Input Voltage 230 V+/- 10% AC, 50 Hz</p> <p>Input Signal & Connections To suit the requirements of system (Client PC, NVR)</p> <p>The monitor shall be installed on wall/ ceiling in Control Room. Required interfaces and cables of suitable length (minimum 20-30m) shall be provided to install the monitor at a suitable location on wall/ mounting stand on floor / ceiling in Control Room.</p> <p>Mount Suitable mounting arrangement for installing the monitor on wall/ ceiling/ Floor to be provided</p> <p>Power Consumption Bidder to specify</p> <p>Dimensions Bidder to specify</p> <p>Weight Bidder to specify</p> <p>Operating temperature 0° to 40°C or better</p> <p>Operating Humidity 20% to 80%, non-condensing</p> <p>Accessories All required cables and connectors, Documentation: Installation guide, Operation & Maintenance Manuals, Installation CDs for driver software</p> <p>Safety Regulations: UL</p>	
	<p><u>Item No 7. NVMS (Qty = 1 Nos).</u></p> <p>Make and software version : Bidder must specify</p> <p>Open Network: Software should support ONVIF profile S compliant cameras.</p> <p>General :</p>	

NVMS for the CCTV Surveillance System shall provide full access to operations through user-friendly and Graphical User Interface. It should be capable to display and manage the complete surveillance system. It should be a complete scalable CCTV system software with motion detection, remote interface with features like Pre and Post Event Recording, viewing and recording multiple cameras. The software should facilitate viewing video upto 1080P(1920x1080) resolution (25fps, H.264) & playback upto 4CIF (25fps, H.264). It should also support controlling and recording up to 25fps the video stream that is transmitted over LAN. The offered software shall have in-built capability and shall be licensed to support minimum 256 cameras. NVMS should have Client software license to be for minimum 20 users. NVMS should have the following minimum functionalities: Management, monitoring, and control of the entire CCTV system, Recording and playback management of video and data, User interface for CCTV system configuration and management, User interface for CCTV system monitoring Web based environment for remote viewing facility of cameras over LAN.

Features & Functions:

Plug-and-Play Installation and Detection of Cameras and Devices.

Flexible, user friendly and easy to use Digital Zoom in Live or Playback Video o Inbuilt Image enhancement feature.

- * Shall allow users to view live video; control cameras; record video; and search, play back, and export recorded video.

- * Facilitate users with the proper authority to perform administrative functions, such as configuring devices, setting up users, adjusting network settings, and creating recording schedules. Access to these functions and all other system services shall be configurable.

- * Users shall be able to monitor & control only those devices and features to which they have been granted user rights and permissions.

- * Health monitoring for cameras.

- * Multiple Display Views for Live or Playback Cameras or Devices.

- * On-Screen PTZ and Device Property Controls.

- * Camera Call-up and PTZ Control from a Keyboard & mouse.

- * Advanced Search Capabilities Including Search for Motion or Event Video.

- * Customizable User and Device Permissions.

- * Access to system resources individually controlled per user group.

- * User group priority assignment for PTZ control and camera access.

- * Individual per-camera privileges assignable per user group for live access, playback.

- * Event list with device events (e.g. video loss), system events, network events, user events (e.g. logon failure) etc.

- * Device states shown by icons, including network connection loss, video loss etc.

- * Configurable frame rate and quality settings for live, normal recording and motion recording per camera per recording schedule.

- * Shall provide the ability to change video quality, bandwidth and frame rate parameter on a per camera basis for both live and playback.

- * Shall provide the capability to assign password to each users and set access rights to the various client application and its functions.

- * The software shall have remote interface features for configuration, display & control of cameras remotely over the network. These features shall be password protected to provide a powerful security system.

Live Video:

Single camera view (PTZ functions using mouse for selected camera)

- * Quad view of up to four cameras.
- * Sequence view of camera preset positions
- * Modifying settings for a camera including PTZ control
- * Modify recording settings for a camera o Adding and deleting cameras
- * Creating schedules for recordings and video motion detection
- * Video Loss Alarm: The software shall support the Video Loss Alarm feature. The Video Loss Alarm feature shall provide operators with a notification when the video signal from any camera is lost.
- * Video Motion Detection: Object classification Single Camera From this display, the user shall be able to:
 - * View the live output from the selected camera
 - * Pan, tilt, zoom and focus the camera using the mouse attached to the work station.
 - * Manually record live video. Recording will continue for the configured period of time.
 - * Manually store the current frame of video (snapshot) as a bitmap image file. Multiple Camera View
 - * The software shall support multiple camera views simultaneously on a single display.
- Sequence View
 - * The software shall support sequence views. A sequence view consists of a single camera view, which can be cycled on a time basis. Camera settings
 - * Only the authorized users are permitted to modify camera connection details, camera PTZ control or delete cameras.

Recording:

The following methods of recording live video shall be supported:

- * Pre-Record duration, Post-Record duration and Frame rate shall be configurable for each camera.
- * Start time, Stop time and frame rate shall be configurable for each camera for scheduled recording
- * Continuous background recording for all / selected cameras
- * Snapshot: Video to be stored as bitmap / jpg. The software system must provide every operator (client) with the ability to record the current frame of video.
- * Video Motion Detection
- * Object Detection.

Video Motion Detection and Camera Sabotage Detection:

- * The system must be able to support video motion detection & camera sabotage detection algorithms.
- * Detection Type: Continuous or scheduled
- * Actions to Perform when Motion is Detected: When motion is detected, the system shall automatically generate an alarm in the System. Alarm Window shall pop up on the screen and audible alarm shall be sounded at the respective sever. It shall also start a recording, with the pre-record duration & post-record duration, frame rate etc. configurable settings.

Search:

Feature for providing a simple and an advanced search for all recorded videos. The user selects the time indicator which shows a calendar and time line. The user selects the required search period. The search shall be based on recording time, camera and recording details.

Recordings Playback:

	<p>The recorded video shall be available to all users, who have adequate authorisation. Each user shall only be able to view recordings from cameras they have security access to view. Information and controls like frame rate, resolution of recording, recording start date & time, recording end date & time, play, pause, stop buttons, step forward and step backward buttons, fast forward and rewind buttons to play the recording at speeds up to x16 or more.</p>	
	<p><u>Item No. 8. Server for NVMS (Qty = 1 Nos).</u></p> <p>Make/Model: Bidder must Specify</p> <p>Processor: Intel® Xeon® Processor E5-2600 v3 family with minimum 10M Cache, 3.30 GHz, 4 Cores / 8 Threads, 8.00 GT/s Intel® QPI. No. of Processors: Two to be provided from day one Cache: 10 MB L3 Cache or higher. BIOS : Flash ROM, Plug and Play Chipset : Intel C600 series or better Motherboard: Intel or Reputed make RAM : 32 GB (multiples of 4 GB or 8 GB DDR4 2133 MHz), Registered ECC memory with advanced ECC Graphics: Integrated card with shared or dedicated video memory HDD: Hot plug 7 no. 300 GB - 2.5" SAS 10000 rpm or higher (2 for OS mirroring in RAID-1 & 4 no. in RAID-5 configuration for data & one as spare) Hard Drive Bays: 8 no 2.5" drive cage Storage Controller: Min. dual port SAS Integrated controller with min. 256 MB DDR battery backed write cache and RAID - 0, 1, 5 with supporting RAID controller (PERC 6/I or H700 controller or eq.), 6.0 GBPS Optical Drive Slimline DVD ± R/RW 8X Slim or better Exp Slots Available Minimum 2 nos. of PCIE Gen 3.0 slots or higher Network Interface Integrated dual Gigabit Ethernet interfaces with failover & load balancing and with support for TCP/IP Offload Engine for windows server Regulatory FCC, UL complied, ROHS Interfaces a. Serial - 1 b. USB 2.0 Ports - min. 4 c. SVGA/ XGA - 1 d. Network RJ-45 - 2 Power Supply a. 220 10% VAC, 50 Hz, pf (min 0.9) corrected & surge tolerant, CE Compliant b. Hot Plug AC Redundant Power Supply c. Wattage - Bidder to specify. System Fans Fully redundant hot plug fans Form Factor 2U rack mount with rail kits to be installed inside console desk Manageability System set up SW shall simplify server setup by providing a quick, easy way to deploy reliable and consistent server configurations. Systems Manager SW shall provide a secure environment to manage & diagnose server and shall also help in managing the server as an asset, shall provide pre-failure alerts & diagnostics and help in management of server faults and reporting. OS Support All major OS (both 32 & 64 bit) e.g.: Windows 2012 / latest Windows Server OS Virtualization Software etc. System Management Integrated management controller for monitoring the health of system. OEM's server management software should be provided. Software Windows 2012 Standard Server (64-Bit) with Media kit / latest Windows</p>	

	<p>Server OS including Client access Licenses/License to be provided with each machine with latest versions and service pack (SP). The number of license should be sufficient to meet the requirement of VMS/Analytics software.</p> <p>Monitor: 22 inch LED Monitor with Keyboard and Mouse must be supplied</p>	
	<p><u>Item No 9. Distribution Switch Type-I (Qty:7 Nos).</u></p> <p>Make: Cisco Model: Vendor must specify</p> <ol style="list-style-type: none"> 1. Minimum 24 nos. 1GE SFP(Single Mode), 2 nos. 10 GE SFP(Single Mode) Uplink Ports. 2. Switching Fabric: 80 Gbps minimum 3. Forwarding Rate: 30 mpps minimum 4. Cisco Feature set : In addition to IP Base and IP Services feature sets, the offered switch must also support advanced Layer 3 switching (IPv4 and IPv6) features. 5. 15 Nos 1 GE SFP ports and 2 Nos 10 GE to be populated with appropriate single mode transceivers. 6. Appropriate SMARTNET service to be supplied along with. 	
	<p><u>Item No 10. Distribution Switch Type-II (Qty = 2 Nos)</u></p> <p>Make: Cisco Model: Vendor must specify</p> <ol style="list-style-type: none"> 1. Minimum 24 nos. 1 GE PoE, 2 nos. 10 GE SFP(Populated) Uplink Ports 2. Switching Fabric: 80 Gbps minimum 3. Forwarding Rate: 30 mpps minimum 4. Cisco Feature set : In addition to IP Base and IP Services feature sets, the offered switch must also support advanced Layer 2 switching (IPv4 and IPv6) features. 5. All SFP ports (2 Nos) to be populated with appropriate single mode transceivers. 6. Appropriate SMARTNET service to be supplied along with. 	
	<p><u>Item No 11. Core Switch for Control Room. Qty: 2 Nos</u></p> <p>Make: Cisco Model: Bidder must specify</p> <ol style="list-style-type: none"> 1. Minimum 32 No. 10 GE SFP Ports. 12 Nos to be populated with appropriate Single mode SFP transceivers 2. Layer 2 hardware forwarding at 960 Gbps minimum; Layer 3 performance of up to 160 Gbps minimum 3. Redundant Fan and power supplies to be supplied 4. Cisco Feature set : In addition to IP Base and IP Services feature sets, the offered switch must also support advanced Layer 3 switching (IPv4 and IPv6) features. 5. Appropriate SMARTNET service to be supplied along with. 	
	<p><u>Item No 12. Industrial grade PoE + Switch with 2 Nos SFP Ports (Populated) (Qty = 110 Nos).</u></p>	

	<p>Make/Model: Bidder must specify</p> <ol style="list-style-type: none"> 1.Switch with minimum 4x 10/100TX: RJ-45 POE+ ports and 2 x 100/1000X SFP ports (Min. 6 simultaneously active ports). All Fiber ports should be populated with 10 KM supporting single mode fiber module (Industrial grade). 2. Operating Temperature 0 to 70 oC 3.All 10/100 Tx port should offer PoE+ simultaneously 4. Management: SNMP, Telnet, Web 5. Power Supply: 230 AC 50 Hz adapter must be supplied. Indian Standard Power cable must be supplied. 6.Should support 256 VLAN simultaneously 7.Should support Min 4K MAC address table 8.Standards:IEEE 802.3, IEEE 802.3u,IEEE 802.3ab,IEEE 802.3x,IEEE 802.3ad,IEEE 802.1p,IEEE 802.1Q,IEEE 802.1x 9. SFP Transceiver Specification: Single mode - Media Type Wave length- 1310 nm Distance support - Min 10 Km Connector LC Type Operating Temperature: 0 to 70 C 	
	<p><u>Item No 13. 24 Core Armored Outdoor Single Mode Fiber Optic Cable (Qty = 45,000 Mtr):</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Cable Type:24 Core fiber Cable, Single Mode, Armoured, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OS2; AS/ACIF S008; AS/NZS 3080, EIA/TIA 568-C.3.;ITU-T REC G 652D spec for Low Water Peak fibre suitable for use in direct burial, outdoor ducts and backbone cabling.</p> <p>The OEM should be ISO 9001:2000 & QS: 9000. In the changing needs of the global resources if the company has environmental management systems in place like ISO 14001 accreditation the same shall be added advantage.</p> <ol style="list-style-type: none"> a) With Central steel wire b) Outdoor direct burial c) Loose tube Gel Filled type d) Water blocking Tape d) With corrugated steel tape Armoured e) 9/125µm f) Single Mode FO Cable g) Operational Wavelengths: 1310nm/1550nm h) No. of Core: 24 Nos. i) Maximum Attenuation: 0.4 dB/Km j) RoHS Compliant. f) Total: 45,000 M 	
	<p><u>Item No 14. Cat 6 UTP Cable (Qty = 4270 Mtr).</u></p>	

	<p>Make/Model: Bidder Must Specify</p> <p>Applicable Standard category 6/Class E standards requirements in TIA 568-C.2.</p> <p>Cable Shielding Cat 6 Cable should be protected by Steel Tape Armour and shall be use for direct burial application.</p> <p>Cable should have Double HDPE Sheath for Higher strength.</p> <p>Bend Radius Less than 1" around 24 mm</p> <p>Application Direct burial & anti rodent cable for Outdoor Camera Installation.</p> <p>Conductor: Solid Copper</p> <p>Conductor Diameter: 0.56±0.005mm (23 AWG)</p> <p>Insulator Polyolefin</p> <p>Max.Temperature:70°C</p>	
	<p><u>Item No 15. Two Core Power Cable (Qty = 1500 Mtr):</u></p> <p>Specification:</p> <p>2 Core Power Cable: 1500M</p> <p>1.5 Sq. mm for camera DC Supply</p>	
	<p><u>Item No 16. Three Core Power Cable (Qty = 3000 Mtr):</u></p> <p>Make: Cisco</p> <p>Model: Vendor must specify</p> <ol style="list-style-type: none"> 1. Minimum 24 nos. 1GE PoE, 2 nos. 10 GE SFP Uplink Ports 2. Switching Fabric: 80 Gbps minimum 3. Forwarding Rate: 30 mpps minimum 4. Cisco Feature set : In addition to IP Base and IP Services feature sets, the offered switch must also support advanced Layer 3 switching (IPv4 and IPv6) features. 5. All SFP ports (2) to be populated with appropriate single mode transceivers. 6. Appropriate SMARTNET service to be supplied alongwith. 	
	<p><u>Item No 17. MS Conduit Pipe (Qty = 3000 Mtr):</u></p> <p>The vendor need to supply 3000M MS conduit pipes required for OIL Township Surveillance System.</p>	
	<p><u>Item No 18. PVC/HDPE pipes (Qty = 30,000 Mtr):</u></p> <p>The vendor need to supply 30000 Mtr PVC/HDPE pipes required for OIL Township Surveillance System.</p>	
	<p><u>Item No 19. 9M 3 inch Galvanized Pole (Qty = 97 Nos):</u></p> <p>The camera poles will have the same specifications as the electrical poles mentioned in Item No.66</p>	
	<p><u>Item No 20. angle for camera fitting (Qty = 97 Nos)</u></p> <p>The vendor need to supply necessary angle for camera fitting on walls and accessories required for OIL Township Surveillance System.</p>	
	<p><u>Item No 21. 2 Inch GI Pipes (Qty = 1000 Mtr)</u></p> <p>The vendor need to supply 2Inch GI Pipes required for OIL Township Surveillance System.</p>	
	<p><u>Item No 22. 3 Mtr UTP Patch Cord (Qty = 300 Nos)</u></p>	

	<p>Type: Cat 6 U/UTP Patch Cords are key components of Power Cat 6 U/UTP End-to-End Solution and are designed to support data networks for 10/100BASE-T and 1000BASE-T applications.</p> <p>Conductor: 24 AWG stranded copper wire Length: 3 Meter RJ45 plug and boot material : Clear polycarbonate Outer Sheath: LS0H RJ45 plug dimensions compliant with: ISO/IEC 60603-7-4 and FCC 47 Part 68 Contact material: 0.35mm thick copper alloy MIN operating life 750 insertion cycles Sheath Material: LSZH ROHS/ELV : Compliant</p>	
	<p><u>Item No 23. I/O Cat 6 face Plate (Qty = 40 Nos):</u></p> <p>The vendor need to supply I/O Cat 6 face Plate required for OIL Township Surveillance System.</p> <p>Type "Cat 6 DataGate Plus jack is designed to maintain clean secure connections. The RJ-45 jack features 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback –the spring-loaded shutter pops out an improperly seated patch cord—all with single-handed plug-in and removal."</p> <p>Wire terminal 200 termination cycles Modular Jack 750 mating cycles Plastic Housing Polycarbonate, UL94V-0 rated or equivalent IDC Contact Plating Tin/Lead Plate Faceplate Square shuttered plate with 1/2/4 port. 86 x 86 mm ROHS/ELV Compliant</p>	
	<p><u>Item No 24. FO Patch Cord SC-LC (Qty = 240 Nos):</u></p> <p>The vendor need to supply FO Patch Cord of length 3M(SM, SC-LC) required for OIL Township Surveillance System.</p> <p>Specifications Requirement Make and Type SC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron Cable Sheath LSZH Cable Diameter 1.8 mm twin zip Ferrule Ceramic Buffer Tight buffered Insertion Loss MAX .3 db Return Loss > 45 db Temperature Range -10 Degree C to +60 Degree C ROHS ROHS Compliant</p>	
	<p><u>Item No 25. 5 Amp 5 PIN Socket (Qty = 100 Nos):</u></p> <p>The vendor need to supply 5 Amp 5 PIN Socket with boards, joint boxes, circular boxes, MCB(30 Nos), MCB Boxes(4 Nos) required for OIL Township Surveillance System.</p>	
	<p><u>Item No 26. 24 Port Patch Panel Cat6 (Qty = 69 Nos):</u></p>	

	<p>The vendor need to supply 24 Port Patch Panel Cat6, 19 Inch required for OIL Township Surveillance System.</p> <p>Type: "19" 24-port, loaded with Jack , A key product used in both Category 6 link and channel gigabit Ethernet applications. The IDC section consists of V-shaped contacts that flex not fatigue when terminated. Each port features spring-loaded shutter and can be color coded to match jack outlets. Offering both front and rear labelling options, the patch panel is constructed of cold-rolled steel for additional strength and durability."</p> <p>Ports: 24 ports Plastic Housing Jack Connector: Polycarbonate, UL94V-0 rated or equivalent Contact Plating: 50u" Gold/100?" Nickel Front Connector interface: RJ45 Circuit Identification Scheme: Icons on each of 24-ports Port Identification 9mm or 12mm Labels on each of 24-ports (to be included in supply) Height 1 U (1.75 inches) ROHS/ELV Compliant</p>	
	<p><u>Item No 27. 9U,19inch Rack (Qty = 15 Nos):</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Overall Height- 504.65mm, Width- 575mm, Depth- 500mm</p> <p>Useable Height- 400.05mm, Width- 482.6mm, Depth- 356.75mm</p> <p>Description These are 19" wall equipment which are meant to house small networks, distribution and sub-distribution boards. Highly lightweight and modular this can be easily transported and mounted</p> <p>Features " Adjustable 19" mounting angles provided with skeleton frame structure. " Louvered top and bottom panels. " Cable access is possible from top/bottom through knockouts provided with rubber grommets for new installations or through special gland plates allowing installation over previously installed cables. " Side Doors with slam latch. " Skeleton frame structure: Allows easy population, fitting on the wall. " Quick release, lockable glazed front door with single key security lock and right or left hand hinge availability.</p> <p>Accessories Included in rack A/c main distribution box with 6 nos.5 amp socket.- 1 No. 19" cable manager - 1 No. Front panel mounting hardware.- 1 No. 230 V AC 90 CFM Fan - 1 No.</p>	
	<p><u>Item No 28. 24 Port Fiber Optic Rack mount LIU, loaded with adapter plates, Splice Tray and Pigtails (Qty = 15 Nos):</u></p> <p>Fiber Management Shelf:24 Port Configurable Fibre drawer, Sliding drawer is a 1U rack mount unit for storing and terminating incoming fibre cable. Using our vast range of 6 Pak Plates you can configure your fibre system to suit all fibre applications.</p>	

	<p>Configurable, Fits up to four 6 Pak Plates/ Angled 6 Pak plates Adhesive labelling for port identification Management rings within system to accommodate excess fibre cordage behind the trough adapters and maintain fibre bend radius. Rugged steel construction, Powder coated mild steel</p> <p>Compact size (mm:) Rack Mount 482mm W x 254mm D x 43mm H Optical Fibre Adapter Plates : SC Adapter Plate Loded, As per requierment Splice Tray Loaded Pigtail: SC, Singlemode, 9/125 ?m</p>	
	<p><u>Item No 29. 10 KVA ONLINE UPS (Qty 1 Nos)</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Capacity (in kVA / kW): 10 kVA/ 9 kW (1-Phase Input / 1-Phase Output) UPS system or bidder can supply 10KVA's higher capacity UPS system for matching 9kW capacity.</p> <p>Technology and Capability:</p> <ul style="list-style-type: none"> a) True Online configuration with double conversion UPS b) Microprocessor /DSP based control, using IGBT devices c) Active Power Factor Correction (APFC) in converter to improve Input Power Factor > =0.97 d) One set UPS system consists of two Nos of 10 KVA UPS in redundant and load balancing mode with minimum 0.5 Hr backup time. <p>Input facility -Phases / Wires: 1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground)</p> <p>Input Voltage Range: 160 - 275V AC (On Full Load)</p> <p>Input Power Factor: >= 0.97 on Full Load</p> <p>Input Current Harmonic Distortion (THDi): < 10% on full resistive Load (with Mains THDu less than 1%)</p> <p>Nominal Output voltage: 220/ 230/ 240VAC (Selectable) Output Voltage Regulation: ±2% Nominal Output Frequency: 50 / 60 Hz (Auto selectable) Output Frequency Regulation: +/- 0.05 Hz (Free Running / Self Clocked Mode) Output Frequency Slew Rate: < 1 Hz / s Output Wave Form: Pure sine wave Output Voltage Distortion (THDu): "<3% (For R Load) < 5% (For RCD Load)" Crest Factor: 2.5 : 1 On Full Load (Minimum) Output Short circuit Protection: Electronic / Fused</p> <p>Transient Response: Dynamic Regulation for 10% to 90% step linear load: +/- 10% Transient Recovery to steady state condition after 10% to 90% step linear load : < 1 cycle</p> <p>Transfer Time (Mode of operation): "Nil from Mains mode to Battery Mode Nil from Battery Mode to Mains mode"</p>	

<p>Transfer Time (Inverter to Bypass / Bypass to Inverter): < 4 ms (Synchronized Mode)</p> <p>Automatic & Bi-directional static by-pass (In-built): Should be provided to take care of uninterrupted transfer of load from Inverter to bypass (under overload / fault conditions) & automatic retransfer from bypass to inverter (on removal of overload / fault conditions)</p> <p>Overall Efficiency (AC to AC) - Online (Double Conversion): "≥ 90% (On Full Load)"</p> <p>Overall Efficiency (AC to AC) - ECO Mode (Bypass feeding the load under normal conditions): > =96 % (On Full Load)</p> <p>Inverter Overload capacity 125% 300 sec 150% 30 sec</p> <p>Measurements (On LCD): "Input: Voltage / Frequency Bypass: Voltage / Frequency Output: Voltage / frequency Battery: Remaining time / Battery Level Indicator Load: Percentage / Load Level Indicator</p> <p>Fault Indication (On LCD): AC indicator/Battery Mode of Operation / Bypass feeding the load / UPS Fault Audible Alarms: Battery Low beep / DC Fault beep/ UPS Overload beep/ o/p short ckt fault beep/ Shutdown beep.</p> <p>Backup Required 0.5(half) Hr or better</p> <p>Battery Bank VAh : Vendor to include battery sizing calculations for minimum 0.5(half) Hr backup. Required Nos of battery must be supplied.</p> <p>Batteries Type Sealed Maintenance Free (SMF) - 12V Cells Battery Makes Amara Raja / Exide / HBL / Amco / Rocket</p> <p>Minimum Charger Rating (In-built chargers will be preferred over external chargers) The charger should be able to deliver charging current equivalent to 10% of Battery Ah rating offered.(In case of external chargers, suitable monitoring of the chargers should be provided in the UPS. Also all external chargers taking AC input must have PFC - Power factor correction)</p> <p>Charger type / Charging Method & Charging Voltages "Constant Voltage Constant Current Solid state SMPS charger Float Voltage: 2.25 - 2.26 VPC minimum Boost Voltage: 2.30 - 2.33 VPC minimum"</p> <p>Battery Housing (Vendor to provide the GA drawings of the offered Battery Rack) Should be compact and space saving MS steel open racks complete with interconnectors Battery End Cell Voltage 1.75 VPC</p> <p>Serial Communication RS232 Port (Option of USB Port should be available) RS2323 Port</p>	
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	<p>should be provided as standard in the UPS. However there should be provision for USB port also in the UPS</p> <p>REPO(Remote Emergency Power OFF) / ROO(Remote ON - OFF) Port Should be provided as standard in the UPS</p> <p>Interface to NMS (Network Management System) - To be quoted as option SNMP Card for connecting the UPS to LAN thru Ethernet port & monitoring thru NMS should be available (The cost of SNMP Card / NMS software to be quoted separately)</p> <p>Interface to BMS (Building Management System) - To be quoted as option ModBus Card for connecting to UPS to BMS thru RS485 & monitoring thru BMS</p> <p>Interface to DCS (Distributed Control System) - To be quoted as option Relay I/O Card or PFC (Potential free contacts) for connecting to UPS to DCS / PLC / SCADA system for communicating UPS operating status</p> <p>Cold Start UPS should start up</p> <p>On AC Supply (Mains) without DC Supply (Batteries)</p> <p>On DC Supply (Batteries) without AC Supply (Mains)"</p> <p>Automatic Restart UPS should start up automatically on mains resumption after battery low shutdown</p> <p>Self Diagnosis UPS should be capable to carry out self test of Rectifier / Charger /Battery & Inverter module during start-up</p> <p>Physical</p> <p>Operating Temperature 0 to 40 deg C</p> <p>Storage Temperature -15 to 45 deg C</p> <p>Operating Humidity 5% ? 95%RH (No Condensing)</p> <p>Type of Cooling Forced Air</p> <p>Noise Level <= 58 dbA at 1 meter distance</p> <p>Form Factor Rack & Tower mountable</p> <p>Air Filters (mandatory) UPS should have internal anticorrosion air filters for dust filtration</p> <p>Dimension (w x d x h) in mm To be furnished by the vendor</p> <p>Weight - in kg To be furnished by the vendor</p> <p>Packaging Material / Vibration Withstand & Drop Test "Recyclable (No CFC) &</p> <ol style="list-style-type: none"> 1. Vibration testing as per ISTA -1G Non-operational with Packing 2. Drop Test as per ISTA 1A + 3inch Non-operational with Packing" <p>Standard Package of UPS to include the following minimum accessories</p> <ol style="list-style-type: none"> 1. UPS 2. CD - Monitoring Software 3. RS232 Cable 4. Brackets for mounting in 19" IT Server / Networking Rack 5. UPS to Battery bank connecting Cable 6. User Manual 	
	<p><u>Item No 30 . 1 KVA ONLINE UPS (Qty = 8 Nos):</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Capacity (in kVA / Vah): 1kVA/700W 1-Phase Input / 1-Phase Output</p> <p>Technology and Capability:</p> <ol style="list-style-type: none"> a)Pulse Width Modulation (PWM) using IGBTs, double conversion b) Noise level: Less than 45 dB 	

<p>c) Operating Temperature: 0°- 40° C</p> <p>d) Output Wave Form: Pure sine wave</p> <p>e) Cooling: Air Cooled</p> <p>f) Total Harmonic Distortion (THD) Voltage: < 3% for 100% linear load.</p> <p>D/G set compatibility: Required</p> <p>Input Voltage Range 100 V AC to 280 V AC(Load dependent)</p> <p>Input Frequency Range 50 ± 10 Hz Implementation</p> <p>Input Power Factor 0.9 or better at full output load with power factor correction (PFC)</p> <p>Voltage: 230VAC,Single Phase</p> <p>Output Voltage Regulation ±2% or Less</p> <p>Output Frequency 50 Hz/60 HZ ± 0 .2Hz</p> <p>Voltage Harmonics Less than 3% (Linear load)</p> <p>Output Power Factor 0.7 or better</p> <p>Overall Efficiency 85 % or better on rated full load of 0.7 PF & 230V, 50Hz AC output</p> <p>Protections "Short Circuits / Over Loading/ Over Temperature / Input low/high voltage control/DC low/high voltage.</p> <p>Indications (LED) To measure and monitor Online, Bypass, On-battery, Overload, Battery low, Fault, Replace battery, Battery level, Loading level</p> <p>Audible Alarms Over Temperature / Main failure/Battery low/ Inverter Overload</p> <p>Backup Required 0.5 (Half) Hr or better</p> <p>Batteries Type Sealed Maintenance Free (SMF) - 12V Cells</p> <p>Battery recharge time (after complete discharge to 100% charge) & charge rating Battery recharge time should not exceed 12Hrs hours and charger should be capable to charge battery on C10 rating.</p> <p>Battery Bank VAh: Vendor to include battery sizing calculations for minimum 0.5 Hr backup</p> <p>Battery Makes Battery Make: Amara Raja / Exide / HBL / Amco / Rocket</p> <p>Operating Temperature 0 to 40 deg C</p> <p>Operating Humidity 5% - 90%RH</p>	
<p><u>Item No 31. 42U 19 Inch Rack (Qty = 1 Nos):</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Overall Height- 2013.9mm, Width- 600mm, Depth- 1000mm</p> <p>Useable Height- 1866.9mm, Width- 482.6mm, Depth- 879mm</p> <p>Features: Confirms to IEC 297 all the mounting dimensions on the 19" panel mounts & the</p>	

	<p>spacing & entry dimensions, useable heights etc. are maintained as per IEC - 297 & DIN 41494</p> <p>Construction :</p> <p>An Aluminum extruded frame structure design, i.e. Aluminum extruded depth support member, Aluminum extruded width support member joined with special locking keys to the aluminum extruded vertical member to form a robust frame structure to have a safe load carrying capacity of 850 kgs. This aluminum frame structure has to be chromate treated & later epoxy powder coated. Lockable front door made of toughened tinted glass: The front door a single sheet (one piece construction) frame. CNC ventilation slots are provided all along the height to enable natural cooling in the rack. Generally the toughened tinted glass is provided by two metal pieces at either end & the top & bottom ends are left naked. We need a rigid frame with a cut out in the centre to which glass is pasted permanently with a high quality sealant and not by foam tapes or clips. The front door can be left or right hand hinged easily.</p> <p>Lockable rear door made of steel: Rear door fabricated out of a single sheet with double degree bends. This again is provided with or without CNC vent. Slots. Fully mesh doors on for 100% natural cooling.</p> <p>Removable side panels: To facilitate installation & servicing easily removable side panels based on slam latch concept. Functionality of removable side panels is combined with security of a lock. CNC vent. Slots provided on 1/3RD height Top covers with CNC ventilation slots along the sides : Top cover is provided with CNC ventilation slots all along the sides. Top is provided with cable entry provision with gland plates & rubber grommets 19" panel mount at front & rear: 19" panel mount fabricated out of 14SWG steel & CNC punched to meet IEC 297 & DIN 41494 standards are provided at the front & rear. These panel mounts are adjustable all along the depth.</p> <p>Joint Free Gasket: Joint free gasket used throughout the frame on top & back side for effective cooling & dust protection</p> <p>Accessories Included in server rack Johnson Castors - 1 Set A/c main distribution box with 10 nos. of 5/15amp socket with 32 amp MCB - 2 No. Front panel mounting hardware. - 1 No. Earthing Kit - 1 Nos.</p> <p>230V A/C 90 CFM fan mounted on top cover - 4 Nos. Optional accessories 19" Key board tray rotary on side - 1 No. Heavy Duty Shelf 700mm D - 1 No.</p>	
	<p><u>Item No. 32. Indoor Fixed IP Day-Night Colour HD (1080p) PoE Dome Camera (Qty = 10 Nos):</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Image Sensor Type: 1/2.9" or better CMOS Signal Format: PAL Focal Length: 3 to 9.0 mm or better Resolution / Pixels: 1080p (1920 x 1080) or Better Night Vision Distance: 15 Mtr Frames per Second: 30/25 fps</p>	

	<p>Supported interface: ONVIF profile-S</p> <p>Video Compression:H.264 ,MJPEG both must be supported</p> <p>Local storage: 32 GB memory Card must be supplied</p> <p>Protocols: IPv4, IPv6, TCP, HTTP, HTTPS, , RTSP, RTP, RTCP,, ICMP, SNMP.</p> <p>Ethernet: 10/100 Base-T, auto-sensing, half/full duplex, RJ45</p> <p>Power Supply: PoE (IEEE 802.3af compliant)</p> <p>Protection: IP 66, IK 10 Vandal Proof.</p> <p>Certifications: UL, CE, FCC certified as on date of submission of bid</p>	
	<p><u>Item No 33. HD PTZ POE Camera for Civil Department (Qty = 4 Nos):</u></p> <p>Specification: Same as that of Item No. 2</p>	
	<p><u>Item No 34. Distribution switch Type-II for Civil Department (Qty = 1 Nos):</u></p> <p>Specification: Same as that of Item No. 10</p>	
	<p><u>Item No 35. Workstation with 40 inch LED Display (Qty = 1 Nos):</u></p> <p>Make/Model: Vendor Must Specify</p> <p>Processor Intel® Xeon® Processor E3-1200 v3 Family or better</p> <p>Chipset C226 equivalent Chipset</p> <p>RAM Size 8GB (2 x 4GB) , Upgradeability up to 16 GB</p> <p>BIOS Features Flash, Plug and Play, System Management, ACPI</p> <p>Motherboard Intel or OEM Motherboard only</p> <p>Form Factor Tower Type</p> <p>Graphics Intel® HD Graphics P4600 / equivalent with facility for dual display</p> <p>FDD No Floppy Drive</p> <p>HDD 450 GB SAS/ SATA (3.5 inch) 10000 RPM (min.) - 2 no. in RAID-1 configuration</p> <p>Optical Drive 8x Slim DVD+/R/RW</p> <p>Network Interface 10/100/1000 Mbps Ethernet Connection; auto-sensing & auto-negotiation, Full Duplex.- 02 Nos.</p> <p>Audio High Definition Audio with Realtek ALC261 codec / equivalent</p> <p>Monitor 22" LCD / LED Monitor, make OEM</p> <p>Exp Slots</p> <p>(Low-profile) 1 x PCIE x16, 1 x PCIE x1</p> <p>Media Bays</p> <p>(Min.) 03 (including internal and external)</p> <p>Keyboard, Mouse Standard Keyboard & two button optical scroll</p> <p>Mouse with OEM Mouse Pad.</p> <p>Interfaces</p> <p>(Min.) 2 - USB 2.0; 1 - serial port; 1 - Keyboard port; 1 - Mouse port; 1 - RJ-45 Ethernet; 1 - VGA; 1-audio in, 1-audio out,</p> <p>Power Supply 220 10% VAC, 50 Hz, pf corrected or better. Redundant power supply ,Efficiency 89% or better.</p> <p>Cables Suitable Power cables & monitor input cables required.</p> <p>Certification/ Compliance</p> <p>CE, FCC Class B, RoHS, WEEE</p> <p>Manageability PCs shall be pre-installed with typical Desktop Management Software which shall help in management of PC faults.</p> <p>SecurityTrusted Platform Module (TPM) 1.2</p> <p>Stringent Security (via BIOS)</p>	

	<p>SATA Port Disablement (via BIOS)</p> <p>Drive Lock</p> <p>RAID Configurations</p> <p>Serial, Parallel, USB enable/disable (via BIOS)</p> <p>Optional USB Port Disable at factory (user configurable via BIOS)</p> <p>Removable Media Write/Boot Control</p> <p>Power-On Password (via BIOS)</p> <p>Setup Password (via BIOS)</p> <p>Hood Lock / Sensor</p> <p>Support for chassis padlocks and cable lock devices</p> <p>OS & Other Software Preloaded Genuine Microsoft Windows 8 Professional 64-bit with restore CD / latest Windows OS with OS CD and restore kit.</p> <p>Operating Environment Up to 35 °C ambient temp and Up to 85 % RH non-condensing</p> <p>Accessories All accessories eg. Cables, mouse, keyboard of OEM must be supplied with the machines. The workstations must be accompanied with Operating system CD / DVD / Restore CD / DVD media with all necessary drivers etc.</p> <p>Display Monitor: Screen Size 40-42 Inch</p> <p>Panel Backlight Edge LED</p> <p>Aspect Ratio: 16:09</p> <p>Resolution: 1920 x 1080</p>	
	<p><u>Item No 36. cables, conduit (Qty = 1 Lot):</u></p> <p>The vendor need to supply all inter connecting cables, conduit required for the CCTV system at Civil Engineering Department.</p>	
	<p><u>Item No 37: Accessories for fixing the CCTV Cameras(Qty: 1 Lot)</u></p> <p>The vendor need to supply all necessary accessories required for fixing the CCTV Cameras at Civil Engineering Department.</p>	
	<p><u>Item No 38: 5 KVA UPS for Civil Department (Qty: 1 Nos):</u></p> <p>Make/Model: Bidder Must Specify</p> <p>Capacity (in kVA / kW): 5 kVA/ 4.5 kW (1-Phase Input / 1-Phase Output) UPS system or bidder can supply 5KVA's higher capacity UPS system for matching 4.5kW capacity.</p> <p>Technology and Capability:</p> <p>a) True Online configuration with double conversion UPS</p> <p>b) Microprocessor /DSP based control, using IGBT devices</p> <p>c) Active Power Factor Correction</p> <p>d)Capability of enhancing UPS capacity / redundancy by operating UPS in 1+1 Parallel Redundant Configuration(PRS).</p>	

	<p> Input facility -Phases / Wires 1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground) Input Voltage Range: 160 - 275V AC (On Full Load) Nominal Input Frequency: 50 / 60 Hz (Auto selectable) Input Frequency Range: 45 to 65 Hz Input Power Factor ≥ 0.97 on Full Load Input Current Harmonic Distortion (THDi) $< 10\%$ on full resistive Load (with Mains THDu less than 1%) Generator Compatibility to genset supply required Input Protection (Thru In-built 1P MCB) Should be provided at the input of the UPS suitable for the full rated capacity of the UPS </p> <p> Nominal Output voltage 220/ 230/ 240VAC (Selectable) Output Voltage Regulation $\pm 2\%$ Nominal Output Frequency 50 / 60 Hz (Auto selectable) Output Frequency Regulation ± 0.05 Hz (Free Running / Self Clocked Mode) Output Frequency Slew Rate < 1 Hz / s Output Wave Form: Pure sine wave Output Voltage Distortion (THDu) $< 3\%$ (For R Load) $< 5\%$ (For RCD Load) Crest Factor 2.5 : 1 On Full Load (Minimum) Output Short circuit Protection Electronic / Fused </p> <p> Transient Response: Dynamic Regulation for 10% to 90% step linear load $\pm 10\%$ Transient Recovery to steady state condition after 10% to 90% step linear load < 1 cycle </p> <p> Transfer Time (Mode of operation) "Nil from Mains mode to Battery Mode Nil from Battery Mode to Mains mode" Transfer Time (Inverter to Bypass / Bypass to Inverter) < 4 ms (Synchronized Mode) Automatic & Bi-directional static by-pass (In-built) Should be provided to take care of uninterrupted transfer of load from Inverter to bypass (under overload / fault conditions) & automatic retransfer from bypass to inverter (on removal of overload / fault conditions) </p> <p> Overall Efficiency (AC to AC) - Online (Double Conversion) $\geq 92\%$ (On Full Load). </p> <p> Inverter Overload capacity "125% 300 sec 150% 30 sec" </p> <p> Measurements (On LCD) "Input: Voltage / Frequency Bypass: Voltage / Frequency Output: Voltage / frequency Battery: Remaining time / Battery Level Indicator Load: Percentage / Load Level Indicator " </p> <p> Fault Indication (On LCD) "Charger Failure Battery Failed Battery Low Overload " </p> <p> Indications (LED) AC indicator/Battery Mode of Operation / Bypass feeding the load / UPS Fault </p>	
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<p>Audible Alarms Battery Low beep / DC Fault beep/ UPS Overload beep/ o/p short ckt fault beep/ Shutdown beep Backup Required: 0.5 (Half)Hr or better</p> <p>Battery Bank VAh: Vendor to include battery sizing calculations for minimum 0.5 Hr backup.</p> <p>Batteries Type: Sealed Maintenance Free (SMF) - 12V Cells Battery Makes: Amara Raja / Exide / HBL / Amco / Rocket Number of Battery Banks Maximum Two Banks in parallel Minimum Charger Rating (In-built chargers will be preferred over external chargers) The charger should be able to deliver charging current equivalent to 10% of Battery Ah rating offered.(In case of external chargers, suitable monitoring of the chargers should be provided in the UPS. Also all external chargers taking AC input must have PFC - Power factor correction)</p> <p>Charger type / Charging Method & Charging Voltages "Constant Voltage Constant Current Solid state SMPS charger Float Voltage: 2.25 - 2.26 VPC minimum Boost Voltage: 2.30 - 2.33 VPC minimum.</p> <p>Battery Housing : Should be compact and space saving MS steel open racks complete with interconnectors Serial Communication RS232 Port (Option of USB Port should be available) RS232 Port should be provided as standard in the UPS. However there should be provision for USB port also in the UPS REPO(Remote Emergency Power OFF) / ROO(Remote ON - OFF) Port Should be provided as standard in the UPS Interface to NMS (Network Management System) - To be quoted as option SNMP Card for connecting the UPS to LAN thru Ethernet port & monitoring thru NMS should be available (The cost of SNMP Card / NMS software to be quoted separately) Interface to BMS (Building Management System) - To be quoted as option ModBus Card for connecting to UPS to BMS thru RS485 & monitoring thru BMS Interface to DCS (Distributed Control System) - To be quoted as option Relay I/O Card or PFC (Potential free contacts) for connecting to UPS to DCS / PLC / SCADA system for communicating UPS operating status</p> <p>Cold Start: UPS should start up On AC Supply (Mains) without DC Supply (Batteries) On DC Supply (Batteries) without AC Supply (Mains) Automatic Restart UPS should start up automatically on mains resumption after battery low shutdown Self Diagnosis UPS should be capable to carry out self test of Rectifier / Charger /Battery & Inverter module during start-up Physical Operating Temperature: 0 to 40 deg C Operating Humidity: 5% to 95%RH (No Condensing) Type of Cooling Forced Air Noise Level <= 58 dbA at 1 meter distance Form Factor Rack & Tower mountable Reliability MTBF greater than 100000 hours Standard Package of UPS to include the following minimum accessories "</p>	
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	1. UPS manual 2. CD - Monitoring Software(if any) 3. RS232 Cable 4. Brackets for mounting in 19" IT Server / Networking Rack 5. UPS to Battery bank connecting Cable	
	<u>Item No 39. HD PoE Fixed Indoor Camera for Materials Department (Qty = 8 Nos):</u> Same as that of Item No. 32	
	<u>Item No 40. Distribution Switch Type-II for Materials Deptt (Qty = 1 Nos):</u> Specification: Same as that of item No. 10	
	<u>Item No 41. Accessories (Qty = 1 Lot):</u> The vendor need to supply all necessary accessories required for fixing the CCTV Cameras of Materials Department.	
	<u>Item No 42. Cables (Qty = 1 Lot):</u> The vendor need to supply all inter connecting cables, conduit required for the CCTV system at Materials Department.	
	<u>Item No 43. HD PoE Fixed Indoor Camera for Contracts Department (Qty = 8 Nos):</u> Specification: Same as that of Item No. 32	
	<u>Item No 44. Distribution Switch Type-II for Contracts Department (Qty = 1 Nos):</u> Specification: Same as that of item No. 10	
	<u>Item No 45. Accessories (Qty = 1 Lot):</u> The vendor need to supply all necessary accessories required for fixing the CCTV Cameras at Contracts Department.	
	<u>Item No 46. Cables and Conduit (Qty = 1 Lot):</u> The vendor need to supply all inter connecting cables, conduit required for the CCTV system.	
	<u>Item No 47. HD PoE Fixed Indoor Camera for IT Department (Qty = 7 Nos):</u> Specification: Same as that of Item No. 32	
	<u>Item No 48. Distribution Switch Type-II for IT Department (Qty = 1 Nos):</u> Specification: Same as that of item No. 10	
	<u>Item No 49. Accessories (Qty = 1 Lot):</u> The vendor need to supply all necessary accessories required for fixing the CCTV Cameras of IT Department.	
	<u>Item No 50. Cables and Conduit (Qty = 1 Lot):</u> The vendor need to supply all inter connecting cables, conduit required for the CCTV system of IT Department.	

	<p><u>Item No. 51. Any Other Item (Qty = 1 Lot):</u> Any item which may be required for successful completion of the project to be quoted by the bidder.</p>	
	<p><u>Item No. 52 Installation of CCTV Cameras at OIL Township and Remote Drilling Locations(Qty:1 AU)</u> Delivery, Installation and Commissioning:</p> <ol style="list-style-type: none"> 1. The successful bidder has to deliver the material at OIL, Duliajan within 90 days from the date of issue of confirmed order by OIL. 2. All active components supplied should be tested off-line i.e. before being placed at actual locations, (As per connectivity diagram given in this tender document) for conformation to specifications within 30 days of delivery at Duliajan. 3. Installation and commissioning of the Security Surveillance System at OIL Township, Civil Department, Materials Department, Contracts Department and IT department including FO Cable laying has to be completed within 180 days of delivery. 4. However, for mobile drilling locations, installation of the system will have to be carried out whenever the drilling site is ready for the same. 5. All items must be delivered in good condition. Damaged/ defective items must be replaced immediately. 	
	<p><u>Item No. 53 Installation of CCTV Cameras at Materials Department: (Qty:1 AU)</u></p> <p>Ref. Description in Item No. 52</p>	
	<p><u>Item No. 54 Installation of CCTV Cameras at Contracts Department: (Qty:1 AU)</u></p> <p>Ref. Description in Item No. 52</p>	
	<p><u>Item No. 55 Installation of CCTV Cameras at IT Department: (Qty: 1 AU)</u></p> <p>Ref Description in Item No. 52</p>	
	<p><u>Item No. 56 FO Cable Laying (Qty: 45000 Mtr)</u> FO Cable Laying: 45000 Mtr As per scope of work.</p>	
	<p><u>Item No. 57 Warranty for 3 Yrs</u> Warranty Terms:</p> <ol style="list-style-type: none"> 1. Minimum 3 (three) years onsite warranty must be provided for the entire solution after the successful installation and commissioning of CCTV system. 2. Warranty has to cover all equipment, including power devices and batteries, supplied by the successful bidder. It will also cover the OFC LAN, workmanship of any equipment-fixing work etc. carried out by successful bidder. 3. During the warranty period, any defective device shall have to be replaced with a new one of the same make and same/equivalent model immediately. Necessary configuration of the replacement device for proper operation of the device in the said Security Surveillance system is the responsibility of the successful bidder. 4. During the warranty period, the engineer attending the call shall have to submit a call report mentioning nature of the fault, action taken, any replacement of parts, serial no. of replaced equipment, and serial number of replacement equipment and any other details of the call to OIL. The report has to be duly signed by OIL's personnel and then only the call shall be considered attended. 5. Cameras at mobile sites may need to be shifted during warranty period as per OIL's 	

	<p>requirement.</p> <p>6. The successful bidder has to place one service engineer and two technicians on a full-time basis at Duliajan during the warranty period. In case OIL reports that the services of the stationed engineer/technician are not satisfactory, the successful bidder must replace him/her within one week of the report. The engineer/technician will have to be available from 7 am to 3.30 pm on weekdays (Mon-Fri), 7 am to 11 am (Sat) and otherwise on call.</p> <p>7. The successful bidder must maintain a critical spares inventory as per the list given. This inventory must be replenished within 3 weeks of consumption.</p> <p>8. In case warranty obligations are not fulfilled (specific to the two control rooms and all equipment therein) by the successful bidder for a period of 15 days or more, the warranty period of the entire solution will be extended by a pro-rata duration at no extra cost to OIL.</p>	
	<p><u>Item No. 58 AMS for 4 Yrs</u></p> <p>1. All equipment supplied by the successful bidder will be covered by the Annual Maintenance Service, including UPS and batteries.</p> <p>2. The Annual Maintenance Services shall start after successful completion of the warranty period.</p> <p>3. For any reason, if the warranty period is extended, AMS shall start after completion of the extended warranty period.</p> <p>4. The AMS shall run for a period of four (4) years.</p> <p>5. During the AMS period, any defective device shall have to be replaced with a new one of the same make and same/equivalent model immediately. Necessary configuration of the replacement device for proper operation of the device in the said Security Surveillance system is the responsibility of the successful bidder.</p> <p>6. During the AMS period, the engineer attending the call shall have to submit a call report mentioning nature of the fault, action taken, any replacement of parts, serial no. of replaced equipment, and serial number of replacement equipment and any other details of the call to OIL. The report has to be duly signed by OIL's personnel and then only the call shall be considered attended.</p> <p>7. The successful bidder has to place one service engineer and two technicians on a full-time basis at Duliajan during the AMS period. In case OIL reports that the services of the stationed engineer/technician are not satisfactory, the successful bidder must replace him/ her within one week of the report. The engineer/technician will have to be available from 7 am to 3.30 pm on weekdays (Mon-Fri), 7 am to 11 am (Sat) and otherwise on call.</p> <p>8. The successful bidder must maintain a critical spares inventory as per the list. This inventory must be replenished within 15 days of consumption. After the completion of the AMS period, all these spares will become the property of OIL.</p>	
	<p><u>Item No. 59. Supply of FRP box for I/C Power tapping (Qty = 94 Nos):</u></p> <p>Supply of polycarbonate flame resistant self extinguishing junction box with 25 A RCBO, 100mA with following specification:</p> <p>Junction box shall be simialr to Hensel make box model no. 9255 with dimension not less 200mm x 160mm x 98mm. Junction box shall be comprised of DIN rail channel for mounting RCBO/RCCB and Terminal block suitable for cable size upto 6 mmsq copper armoured cable.Box shall have self supporting arrangement for mounting on the pole,ie; pole shall have minimum diameter of 90 mm and maximum diameter shall be 150 mm. Box shall have</p>	

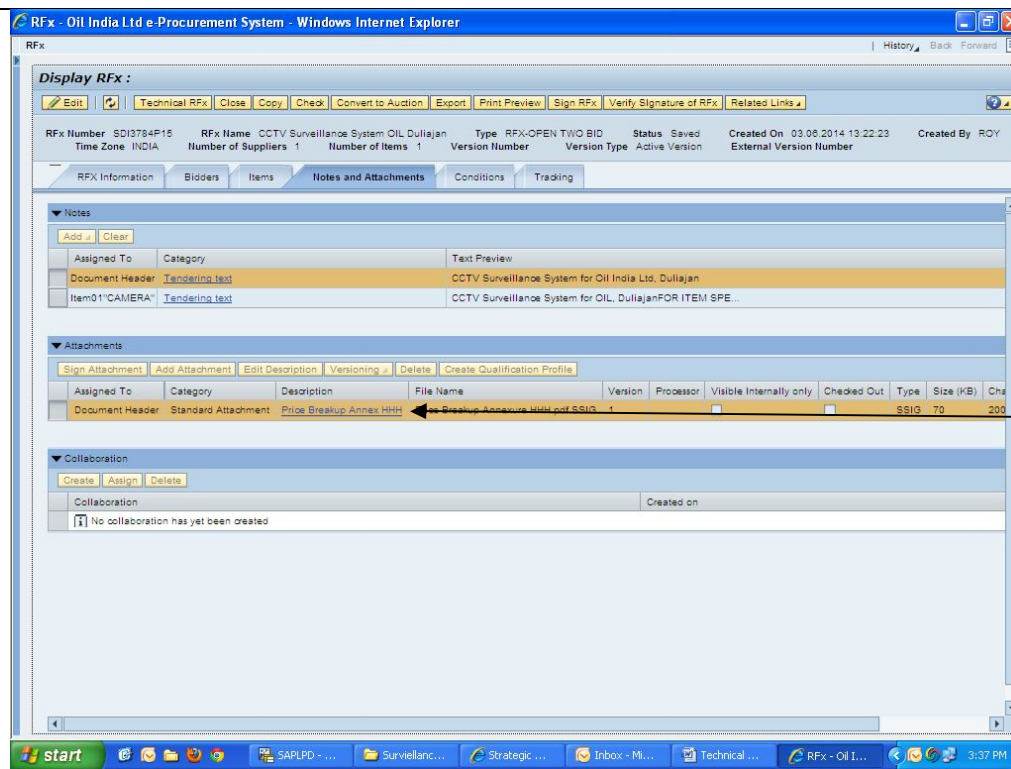
	<p>minimum 4 nos. of knockout for cable entry in the bottom side.Box shall have ingress protection of IP65 for outdoor installation.Required number of cable gland made of polyamide shall be supplied. 25 A RCBO, 100mA shall be similar to legrand cat no. 6033 85 . Make of Junction box : Hensel or equivalent. Make of RCBO: Legrands/Schneider/Siemens /Havells. Bidder has to submit technical catalogue of offered make with detail specification along with the offer.</p>	
	<p><u>Item No. 60. Supply of FRP for O/G power tapping (Qty = 94 Nos):</u></p> <p>Supply of polycarbonate flame resistant self extinguishing junction box with 20 A DP MCB with following specification: Junction box shall be similar to Hensel make box model no. 9255 with dimension not less 200mm x 160mm x 98mm. Junction box shall be comprised of DIN rail channel for mounting RCBO/RCCB and Terminal block suitable for cable size upto 6 mmsq copper armoured cable. Box shall have self supporting arrangement for mounting on the pole,ie; pole shall have minimum diameter of 90 mm and maximum diameter shall be 150 mm. Box shall have minimum 4 nos. of knockout for cable entry in the bottom side.Box shall have ingress protection of IP65 for outdoor installation. Required number of cable gland made of polyamide shall be supplied. 20 A DP MCB shall be similar to legrand cat no. 6049 65. Make of Junction box : Hensel or equivalent. Make of MCB: Legrands/Schneider/Siemens/ Havells.</p>	
	<p><u>Item No. 61. Installation & Commissioning of Item no 59 (Qty = 1 AU):</u></p> <p>Installation & Commissioning of FRP Junction box with all accesories for Incoming power point from OIL's installations . The box shall be fixed into the existing pole or wall by means of clamp or screw of proper size. Termination of cable to the RCBO shall be done by using proper sized tinned copper lugs.</p>	
	<p><u>Item No. 62. Installation & Commissioning of Item no 60 (Qty = 1 AU):</u></p> <p>Installation & Commissioning of FRP Junction box with all accessories near the camera/UPS point for providing power to these. The box shall be fixed into the existing pole or wall by means of clamp or screw of proper size. Termination of cable to the MCB shall be done by using proper size lugs.</p>	
	<p><u>Item No. 63. 3 core 4 mmsq Copper PVCA cable (Qty = 4000 Metres):</u></p> <p>"Supply of 3 core 4 mmsq Copper PVCA cable for power supply arrangement with following specification: i) No of core : 3 ii) Size: 4 mmsq iii) Conductor: Copper. Cable shall be stranded copper conductor suitable for 1100 volts, PVC insulated,covered with inner sheath of either extruded regenerated rubber or plastic tapes, galvd. tape/wire armoured with PVC outer sheath overall, conforming to IS: 1554-1976 (Part-I). The cable must bear voltage grade, size, manufacture name & IS marking/monogram embossed on the outer surface. Make : ""NICCO/ASIAN/CRYSTAL/UNIVERSAL/CCI/RPG/INCAB/POLYCAB/ANKUR/NECAB"". Bidder shall submit technical details of offered make of cable along with the offer."</p>	
	<p><u>Item No. 64. 3 core 6 mmsq Copper PVCA cable (Qty = 7500 Metres):</u></p> <p>"Supply of 3 core 6 mmsq Copper PVCA cable for power supply arrangement with following specification: i) No of core : 3 ii) Size: 6 mmsq iii) Conductor: Copper. Cable shall</p>	

	<p>be stranded copper conductor suitable for 1100 volts, PVC insulated, covered with inner sheath of either extruded regenerated rubber or plastic tapes, galvd. tape/wire armoured with PVC outer sheath overall, conforming to IS: 1554-1976 (Part-I). The cable must bear voltage grade, size, manufacture name & IS marking/monogram embossed on the outer surface.</p> <p>Make : ""NICCO/ASIAN/CRYSTAL/UNIVERSAL/CCI/RPG/INCAB/POLYCAB/ANKUR/NECAB"". Bidder shall submit technical details of offered make of cable along with the offer."</p>	
	<p><u>Item No. 65. Installation & Comm of cable (Qty = 1 AU):</u></p> <p>Installation and commissioning of following sizes of cables in the burried cable trench.</p> <p>Size of cable: i) 3 x 4 mmsq PVCA copper cable ii) 3 x 6 mmsq PVCA copper cable</p> <p>"Supply and laying of 3"(80 mm) dia , minimum wall thickness 3.6mm, GI pipe in normal soil, complete with GI fittings, including trenching (75 cm deep) and re-filling with earth etc. as required and laying of cable through the pipe</p> <p>Cable laying procedure:</p> <p>UG Cable laying in GI pipe, pipe buried in soft soil in trench: a) The normal size of the trench will be 45 cms. wide and depth of 75 cms. The bottom of the trench must be levelled and properly dressed.</p> <p>b) Laying of 3" GI pipe in the trench.</p> <p>c) 3" GI pipe will be connected each other by means of socketing.</p> <p>c) Drawing of cables through the GI pipe.</p> <p>d) After drawing cables through the pipe, the trench shall be filled back with earth (cut earth from the trench) and rammed properly.</p> <p>For laying of cables through GI pipe in underground trench bidder has to quote for per metre installation of cable. Payment will be made based on actual running metre.</p>	
	<p><u>Item No. 66. 9 Mtrs Pole (Qty = 120 Nos):</u></p> <p>Supply of 9 mtr step pole. Pole has the following specification: STEEL TUBULAR POLES FOR OVERHEAD cable stringing 9 mtrs Long Steel Tubular Poles, Swaged type conforming to IS: 2713 (Part-I&II)-1980 with the following specifications:</p> <ol style="list-style-type: none"> 1) Designation: 410 SP-30 2) Material of construction: Conforming to grade Yst 240 of IS:1161-1979 3) Corrosion Protection: Pole planting depth should be coated with Bituminous paint as per IS: 1580-1968 and rest of the Pole length be painted with 1(one) coat of red #oxide primer as per IS: 2074-1979 and also one coat of olive green paint above the primer. 4) Earthing Arrangement: Each Pole should be provided with a through hole of 14mm diameter at a height of 300 mm above the planting depth. 5) Base Plate: Mild steel Base plate of 300mmx300mmx6mm size should be welded to the bottom of the each Pole as per IS: 2713. 6) Tests and test certificates: Tests as per IS: 2713, 228 (for sulphur & phosphorus content), 1894 (for finished poles) should be carried out on the Poles and relevant certificates should be sent along with the materials. 7) Markings: Pole designation, manufacturers identifications mark and year of manufacture should be mark on each Pole as per IS: 2713. <p>Bidder shall submit technical details of offered make of pole along with the offer."</p> <p>We have given requirement for 120 nos. of poles. As at this stage the exact nos. of poles cannot be ascertained, bidder has to quote for 120 nos. of poles with the scope for provision</p>	

	<p>for supply of 20% additional nos., i.e., 24 nos., at the same price and terms and conditions in case requirement for the additional poles arises.</p> <p>Bidder may visit sites at Duliajan and assess the requirement with prior intimation to OIL.</p>	
	<p><u>Item No. 67. Installation & Commissioning of Poles (Qty = 1 AU):</u></p> <p>Installation & Commissioning: Planting depth of poles shall be 1.8 metre for 9 metre long pole. The planting depth of the pole shall be as per DSR 11.3, 2012 and with cement concreting for base 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.</p>	
	<p><u>Item No. 68. Supply of stay set complete (galvanised) (Qty = 50 Nos):</u></p> <p>Supply of stay set complete (galvanised) with 19/20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm, thimble, stay clamps, bow tightener, 3/8" SWG G.I. stay wire</p>	
	<p><u>Item No. 69. Installation & Comm Stay set (Qty = 1 AU):</u></p> <p>Stay set shall be fixed with the pole and anchor plate shall be placed underground after excavation and refilling etc. as required.</p>	
	<p><u>Item No. 70. Supply of 6/16 A combined Modular S/Soc (Qty = 140 Nos):</u></p> <p>Supply of suitable size Modular box with modular plate and cover in front on surface , including providing and fixing one number 5 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make of Modular item ::Legrand/L&T/MK/Scheider/Crabtree/ Indo-Asian</p> <p>Note: This item will be used for giving power supply to outdoor type CCTV.</p>	
	<p><u>Item No. 71. Installation & Comm S/S (Qty = 1 AU):</u></p> <p>Installation & Commissioning of switch socket on power outgoing FRP box or location instructed by concern Engineer in charge.</p>	
	<p><u>Item No. 72. Supply of 2" GI pipe (Qty = 1000 Metres):</u></p> <p>2" GI pipe for cable entry. GI pipe shall be fixed on the pole where cable shall be taking in and taking out to/from the cable trench. Cable shall be passed through the GI pipe and entered in the trench and out of the trench through the pipe. Pipe shall be attached with the pole by using clamp with nut & bolts. Make of GI pipe: Tata/jindal</p>	
	<p><u>Item No. 73. Installation & Comm of GI pipe (Qty = 1 AU):</u></p> <p>Installation of commissioning of GI pipe per metre. GI pipe shall be attached with the pole as a Guard pipe by using clamp with nuts & bolts. Pipe shall carry the incoming/outgoing cable from trench to pole.</p> <p>Payment will be based on actual per metre.</p>	
	<p><u>Item No. 74. Installation commissioning of O/H Cable (Qty = 1 AU):</u></p>	

	Stringing of 3x4 mmsq and 3 x 6 mmsq Cu PVCA cable with 6 SWG GI wire as catenary with the cable where overhead stringing of cable is required. GI wire and the 3x4 mmsq and 3 x 6 mmsq Cu PVCA shall be bound by using binding wire and wrapped with black adhesive tape. Binding shall be done in the cable with GI wire at regular intervals of 0.75 m. Binding distance shall be uniform for entire length of cable. Binding shall be tight to carry the load of cable during stringing. Stringing of cable shall be done from one pole to another and carried on if required. All materials required for stringing of cables will be supplied by party.	
	<u>Item No. 75. Power circuit wiring (Qty = 1000 Metres):</u> Circuit wiring: Supply of all materials and wiring of power circuit from RCBO to 5/16 A Modular switch socket for termination point of UPS/CCTV with 3 x 4.0 mm ² single core PVC insulated FRLS copper cable 1100 V grade including earthing (identical size phase, neutral and earth wires, colour coded red, black and green respectively) in Medium grade PVC casing capping/conduit in recessed/surface. Wiring for the switch socket shall be considered as actual running metre. Make of cable: Finolex/ Havells/ AKG or other brands approved by departmental engineer. make of casing capping : AKG/ Plaza/ Presto Plast. Other brands shall have to be approved by departmental engineer. Payment will be given in actual running metre.	
	<u>Item No. 76. Supply of 4 Module Board (Qty = 40 Nos):</u> Supply of 4 module Modular switch board with one 16 A switch, one 16 A Socket and all materials. Placing of boards shall be true vertical and horizontal and at correct height. Make of Modular board: Legrand/L&T/MK/Crabtree/ Indo-Asian or other make approved by departmental engineer . Note: This item included one 16 A switch ,16 A switch socket and 4 module box ,plate with front plate. This items will be used for giving power supply to internal CCTV.	
	<u>Item No. 77. Installation & Comm of 4 Module board (Qty = 1 AU):</u> Installation & Commissioning of 4 module board including inside connection for 16 A modular switch socket on brick wall by means of adequate number (min. 4 nos.) of screws embedded into wall holes are to be drilled in wall and filled up with approved type of plastic gutka/rowl plug to receive screws).	
	<u>Item No. 78. Supply of 20 A RCBO with enclosure (Qty = 40 Nos):</u> Supply and wiring of Incomer/Isolator RCBO (2 pole, 20 A, 100 mA, 10 kA), with all accessories. Make of RCBO and enclosure: Siemens/Legrand/Schneider/Indo Asian/Havells.	
	<u>Item No. 79. Installation & Comm of RCBO (Qty = 1 AU):</u> Installation & Commissioning of RCBO. RCBO shall be enclosed in a 2 pole enclosure and fixed on the frame or wall with minimum four screws. Connection shall be made from the incomer cable to incoming side of RCBO with proper sized aluminium lug/thimble.	
	<u>Item No. 80. Supply of RCBO (Qty = 20 Nos):</u> Supply of Incomer/Isolator RCBO (2 pole, 20 A, 100 mA, 10 kA), with all accessories. Make of RCBO and enclosure: Siemens/Legrand/Schneider/Indo Asian/Havells.	

	<p><u>Item No. 81. Supply of DP MCB (Qty = 20 Nos):</u></p> <p>Supply of Isolator MCB (2 pole, 20 A, 10 kA,C curve). Make of MCB: Siemens/Legrand/Schneider/Indo Asian/Havells/L&T.</p>	
	<p><u>Item No. 82. Supply of FRP box (Qty = 20 Nos):</u></p> <p>Supply of polycarbonate flame resistant self extinguishing junction box with following specification: Junction box shall be simialr to Hensel make box model no. 9255 with dimension not less 200mm x 160mm x 98mm. Junction box shall be comprised of DIN rail channel for mounting RCBO/RCCB and Terminal block suitable for cable size upto 6 mmsq copper armoured cable. Box shall have self supporting arrangement for mounting on the pole,ie; pole shall have minimum diameter of 90 mm and maximum diameter shall be 150 mm. Box shall have minimum 4 nos. of knockout for cable entry in the bottom side. Box shall have ingress protection of IP65 for outdoor installation. Required number of cable gland made of polyamide shall be supplied. Make of Junction box : Hensel or equivalent. Bidder has to submit technical catalogue of offered make with detail specification along with the offer.</p>	
	<p><u>Item No. 83. Installation of CCTV at Civil Department (Qty = 1 AU):</u> Ref Description in Item No. 52</p>	
	<p><u>Price Breakup:</u></p> <p>Bidders should submit the price breakup of all the items as per "Annexure HHH" which has been uploaded under "Notes & Attachments" > "Attachments" as shown below. The price breakup "Annexure HHH" should be filled up, signed and uploaded under "Notes & Attachments" > "Attachments" only. The filled up price breakup of all the items should not be uploaded in Technical RFx Response folder as it shall lead to rejection of the offer as per Bid Rejection Criteria.</p>	



Area for
uploading
price breakup

Delivery, Installation and Commissioning:

1. The successful bidder has to deliver the material at OIL, Duliajan within 90 days from the date of issue of confirmed order by OIL.
2. All active components supplied should be tested off-line i.e. before being placed at actual locations, (As per connectivity diagram given in this tender document) for conformation to specifications within 30 days of delivery at Duliajan.
3. Installation and commissioning of the Security Surveillance System at OIL Township, Civil Department, Materials Department, Contracts Department and IT department including FO Cable laying has to be completed within 180 days of delivery.
4. However, for mobile drilling locations, installation of the system will have to be carried out whenever the drilling site is ready for the same.
5. All items must be delivered in good condition. Damaged/ defective items must be replaced immediately

Penalty Terms:

1. During the AMS/Warranty period, any failed device shall have to be repaired/ replaced with a new/ standby device within 48 hours of reporting the failure. In case of failure on the part of the successful bidder to rectify the problem within 48 hours of reporting it, following penalties will be applicable:
 - " Rupees 1000.00 per device per day (for devices located outside the control rooms)
 - " Rupees 5000.00 per day (for any control room failure)
2. Absence of service engineer/technician:
 - "Rupees 1000.00 per day per engineer/technician.
3. However, total penalty during the year of the AMS period will not exceed 15% of the annual charges.
4. Total penalty charges during warranty period of 3 years will not exceed 15% of the total material cost of the PO (held with OIL - Refer payment terms)

	<p><u>Payment Terms:</u></p> <ol style="list-style-type: none"> 1. 70% of total material cost will be paid to the successful bidder on delivery of material at Duliajan. 2. Remaining 30 % will be paid after successful installation and commissioning of the CCTV system. 5. In case the successful bidder is unable to complete installation and commissioning within the defined period, because of OIL not being able to provide site-readiness, the balance 30% of material cost for that site will be paid by OIL on submission of relevant invoices by the bidder to Materials Department. 6. The vendor must submit quarterly invoices for the AMS/Warranty charge (if any) for the preceding period to Head-Security. The invoice must clearly mention the OIL PO No. and period of billing. 	
	<p><u>APPENDIX-IX:</u></p> <p>CLAUSES GENERAL HEALTH, SAFETY AND ENVIRONMENTAL (HSE) ASPECTS</p> <ol style="list-style-type: none"> 1. It will be solely the parties responsibility to fulfill all the legal formalities with respect to the Health, Safety and Environmental aspects of the entire job (namely; the person employed by him, the equipment, the environment, etc.) under the jurisdiction of the district of that state where it is operating. Ensure that all sub-bidders hired by him comply with the same requirement as the party himself and shall be liable for ensuring compliance all HSE laws by the sub or sub-sub bidders. 2. Every person deployed by the party/supplier in a mine must wear safety gadgets to be provided by the party. The party/supplier shall provide proper Personnel Protective Equipment as per the hazard identified and risk assessed for the job and conforming to statutory requirement and Company PPE schedule. Safety appliances like protective footwear, Safety Helmet and Full Body harness has to be DGMS approved. Necessary supportive document shall have to be submitted as proof. If the party fails to provide the safety items as mentioned above to the working personnel, the party may apply to the Company for providing the same. Company will provide the safety items, if available. But in turn, Company will recover the actual cost of the items by deducting from Bidder's Bill. . However, it will be the party's sole responsibility to ensure that the persons engaged by him in the mines use the proper PPE while at work. All the safety gears mentioned above are to be provided to the working personnel before commencement of the work. 3. The party shall prepare written Safe Operating Procedure (SOP) for the work to be carried out, including an assessment of risk, wherever possible and safe methods to deal with it/them. The SOP should clearly state the risk arising to men, machineries & material from the mining operation / operations to be done by the party and how it is to be managed. 4. The party shall provide a copy of the SOP to the person designated by the mine owner who shall be supervising the party's work. 5. Keep an up to date SOP and provide a copy of changes to a person designated by the Mine Owner/Agent/Manager. 6. Party has to ensure that all work is carried out in accordance with the Statute and SOP and for the purpose he may deploy adequate qualified and competent personnel for the purpose of carrying out the job in a safe manner. For work of a specified scope/nature, he should develop and provide to the mine owner a site-specific code of practice in line. 7. It will be entirely the responsibility of the party/party's Supervisor/representative to ensure strict adherence to all HSE measures and statutory rules during operation in Company's installations and safety of workers engaged by him. The crew members will not refuse to follow any instruction given by company's Installation Manager / Safety Officer / Engineer-in-charge / Official / Supervisor/Junior Engineer-in-charge for safe operation. 	

<p>11. Any compensation arising out of the job carried out by the party whether related to pollution, Safety or Health will be paid by the party only.</p> <p>12. Any compensation arising due to accident of the party's personnel while carrying out the job, will be payable by the party.</p> <p>13. The party shall have to report all incidents including near miss to Installation Manager / departmental representative of the concerned department of Company.</p> <p>14. The party has to keep a register of the persons employed by him/her. The party's supervisor shall take and maintain attendance of his men every day for the work, punctually.</p> <p>15. If the Company arranges any safety class / training for the working personnel at site (company employee, Bidder worker, etc) the party will not have any objection to any such training.</p> <p>16. The health checkup of party's personnel is to be done by the party in authorized Health Centers as per Company's requirement & proof of such test(s) is to be submitted to Company. The frequency of periodic medical examinations should be every five years for the employees below 45 years of age and every three years for employees of 45 years of age and above.</p> <p>17. To arrange daily tool box meeting and regular site safety meetings and maintain records.</p> <p>18. Records of daily attendance, accident report etc. are to be maintained in Form B, E, J (as per Mines Rules 1955) by the party.</p> <p>19. A supplier/ party's employee must, while at work, take reasonable care for the health and safety of people who are at the employee's place of work and who may be affected by the employee's act or omissions at work.</p> <p>20. A party's/supplier employee must, while at work, cooperate with his or her employer or other persons so far as is necessary to enable compliance with any requirement under the act or the regulations that is imposed in the interest of health, safety and welfare of the employee or any other person.</p> <p>22. Party's/supplier arrangements for health and safety management shall be consistent with those for the mine owner.</p> <p>23. In case party/supplier is found non-compliant of HSE laws as required company will have the right for directing the party/supplier to take action to comply with the requirements, and for further non-compliance, the party/supplier will be penalized prevailing relevant Acts/Rules/Regulations.</p> <p>24. When there is a significant risk to health, environment or safety of a person or place arising because of a non-compliance of HSE measures Company will have the right to direct the party/supplier to cease work until the non-compliance is corrected.</p> <p>25. The party/supplier should prevent the frequent change of his contractual employees as far as practicable.</p> <p>26. The party/supplier should frame a mutually agreed bridging document between Company & the party/supplier with roles and responsibilities clearly defined.</p> <p>27. For any HSE matters not specified in the contract document, the party/supplier will abide the relevant and prevailing Acts/rules/regulations/ pertaining to Health, Safety and Environment.</p>	
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NOTE:

Bidders should submit their bids (preferably in tabular form) explicitly mentioning compliance / non compliance to all the NIT terms and conditions of NIT.

-----XXXX-----

Tender No & Date: SDI7433P16 dated 09.06.15

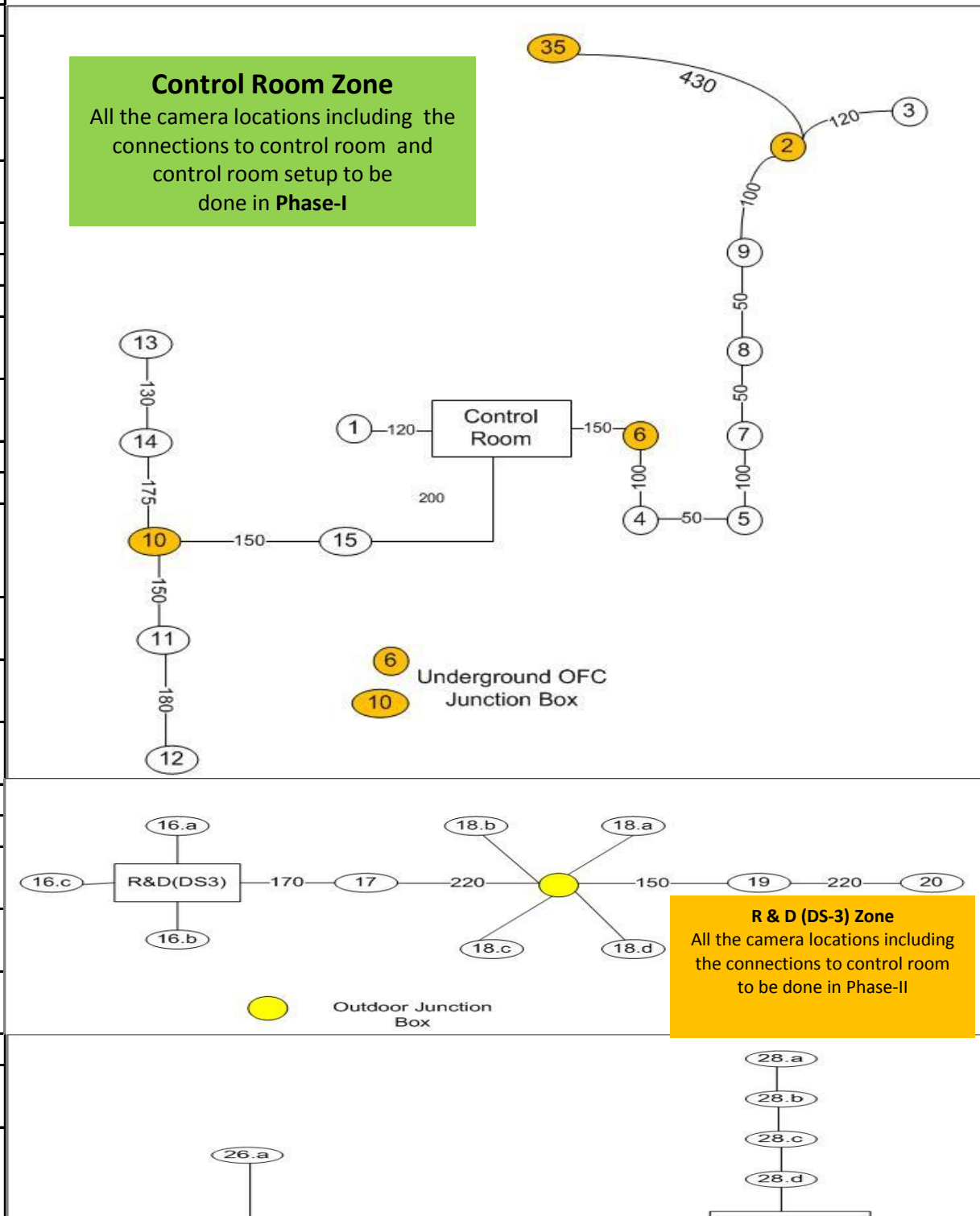
List of Spare Items to be kept at Site during Warranty and AMS Period

1. Indoor FIXED HD PoE Dome cameras for IT, CIVIL, Materials, Contracts- 2 Nos.
2. Outdoor Fixed HD PoE box type camera for Town ship-2nos.
3. HD PoE PTZ camera for town ship -2 Nos.
4. Industrial Grade PoE Switch-2 nos.
5. 8 Channel NVR for remote drilling locations- 1 nos.
6. 1 TB hard disk for NAS/NVR /NVMS server for Town ship-2 no

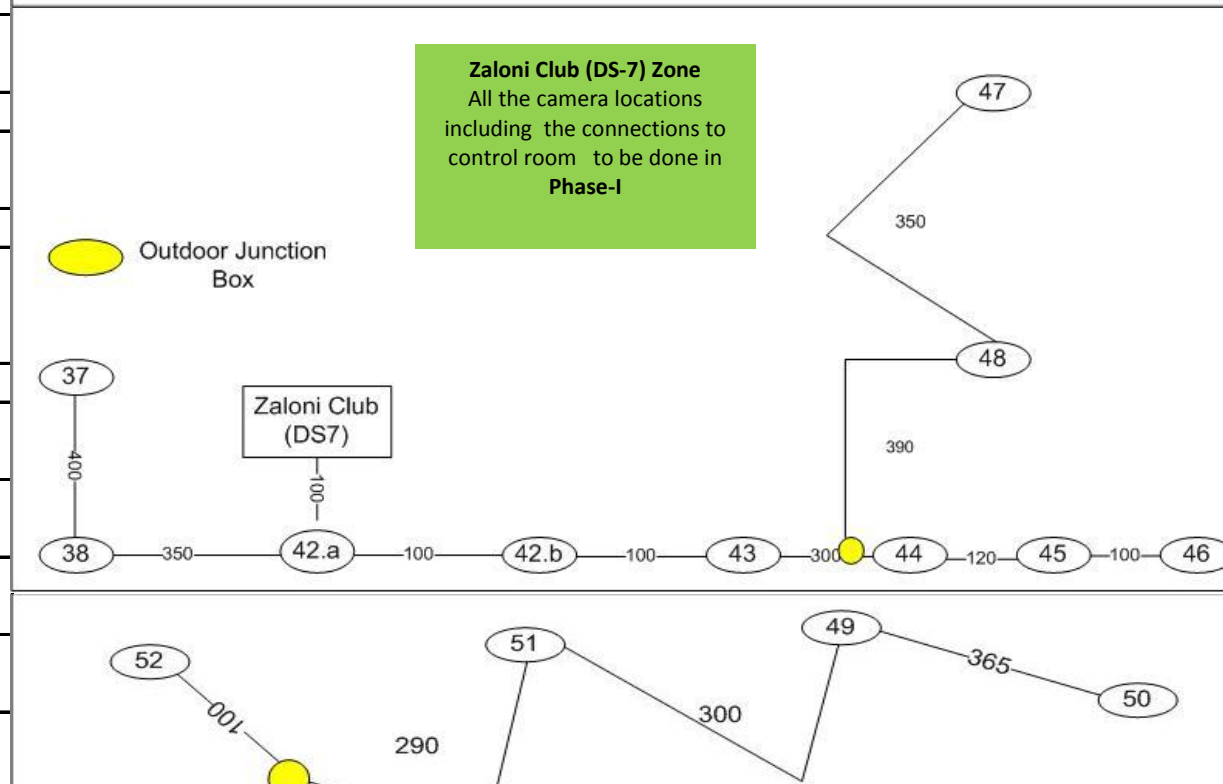
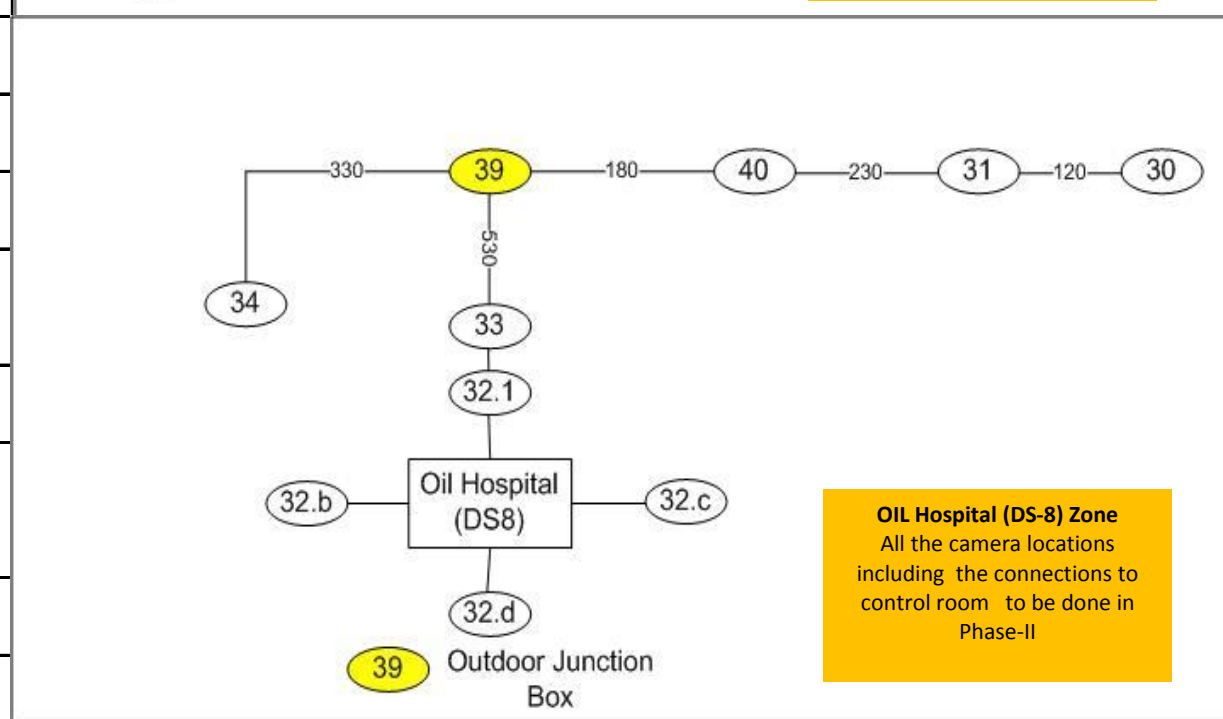
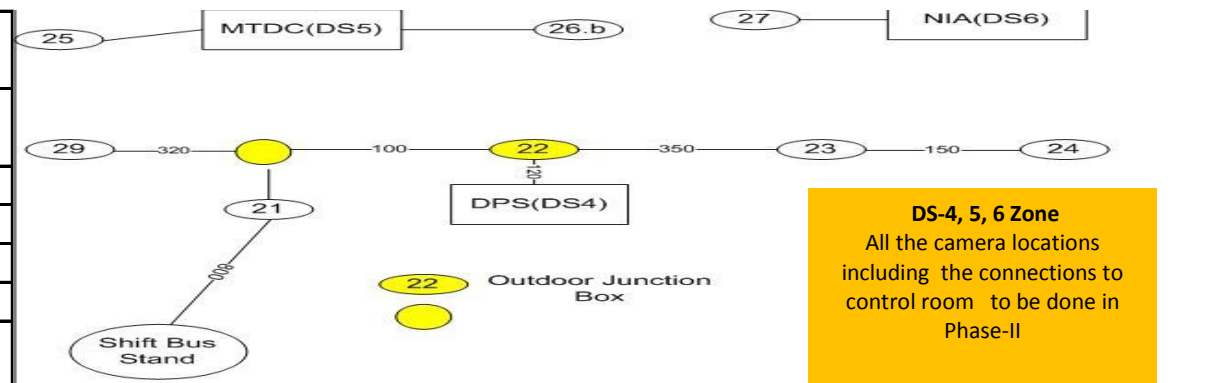
FIXED AND PTZ CAMERA LOCATION DETAILS AND FIBER CONNECTIVITY DIGRAM AS PER TENDER PAGE NO-1 ,
POINT-(b)

SL.NO.	LOCATION	Connecting From	Distance from the connecting point (mtr)	No. Of points for CCTV	
				Fixed	PTZ
1	SECURITY OFFICE GATE	Control Room	120		1
2	INSIDE B-LANE NEAR QTR NO. B165/B186	From Hostel 4 Pole JB	100	1	
3	NEW HOSTEL NEAR W-57(HOSTEL-4)	From INSIDE B-LANE NEAR QTR NO. B165/B186 Pole JB	120		1
4	FIELD COMMUNICATION	From Outdoor junction box nare NFT office	100		1
5	CONTRACT OFFICE	From Field Comm Pole JB	50	1	
6	NEF OFFICE	From Control Room	150	1	
7	PIPELINE FIELD OFFICE	From Contract Office Pole JB	100		1
8	PACHIM ZALONI L.P. SCHOOL	From Pipeline field Pole JB	50	1	
9	HOSTEL 4	From outside Pachim Zaloni LP Pole JB	50		1
10	PIPAL TAL CROSSING	From ER Pole JB	150	2	1
11	POLICE STATION	From (10) Junction box	150		1
12	BOILER BATTERY (UPCOMING BUS TERMINAL)	From Police Station Pole JB	100		1
13	UNION OFFICE GATE	From LAND/DISASTER CONTROL Pole JB	130		1
14	LAND/DISASTER CONTROL	From (10) Junction box	175	1	
15	EMPLOYMENT RELATION OFFICE	From Control Room	200		1
16	IT(R&D Bldg)	From IT(R&D Bldg)	200		3
17	UBI BANK CROSSING	From IT(R&D Bldg)	150		1
18	OIL MARKET	From Outdoor Junction box near narlet & old bus stand	410	2	2
19	NEAR ALLAHBAD ATM (FANCY BAZAR)	From Outdoor Junction box near narlet & old bus stand	150		1
20	STATE BANK OF INDIA, DULIAJAN	From NEAR ALLAHBAD ATM Pole JB	200	1	
21	DPS SCHOOL MAIN GATE	From DPS existing building	230	1	
21(a)	Shift Bus Stand	From DPS SCHOOL MAIN GATE Pole JB	800		1
22	DPS FRONT SIDE TEACHER'S COLONY GATE)	From DPS existing building	150	1	

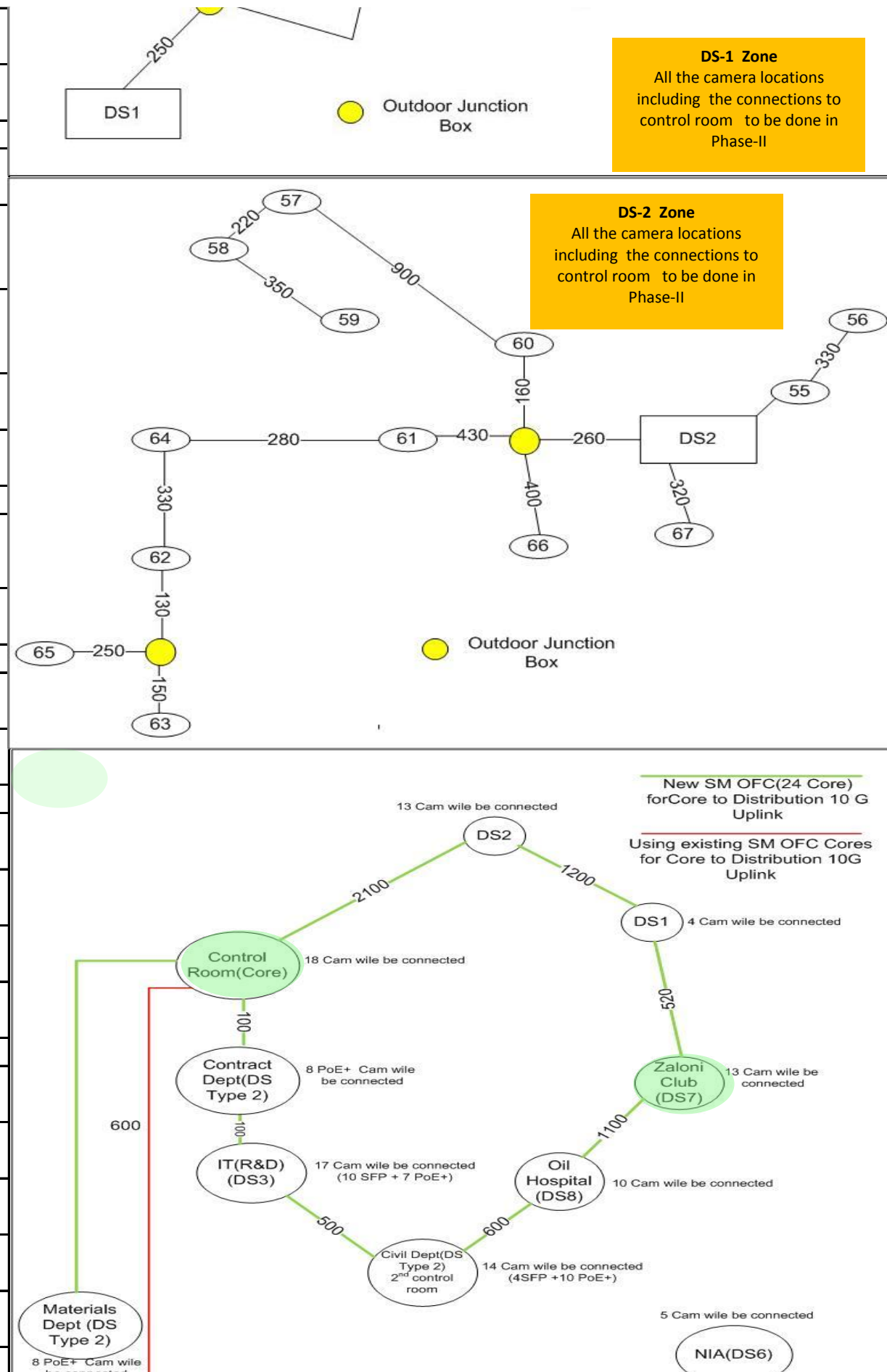
FIXED AND PTZ CAMERA LOCATION DETAILS AND FIBER CONNECTIVITY DIGRAM AS PER TENDER PAGE NO-1 ,
POINT-(b)



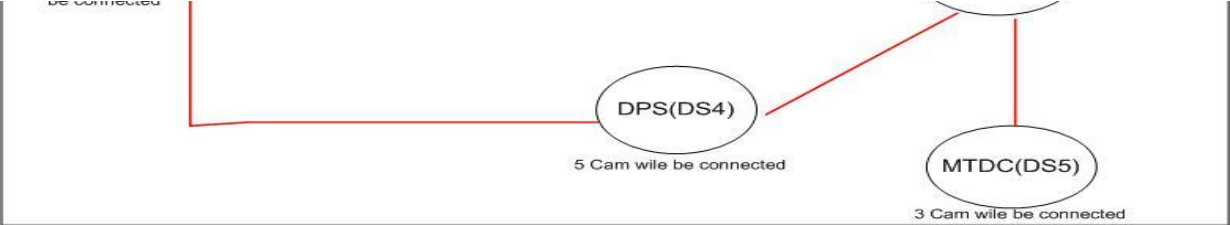
23	PRIVATE BUS STAND (NEW)	From Outdoor Junction box near DSP	350		1
24	HUKUTA CHARIALI	From PRIVATE BUS STAND (NEW) Pole JB	150		1
25	CENTRAL SCHOOL	From MTDC	200	1	
26	MTDC	From MTDC eisting building	500	1	1
27	CMT OFFICE	From existing NIA Building	300		1
28	NIA	From existing NIA Building	500	2	2
29	BIHUTOLI	From Outdoor Junction box near DPS	320		1
30	OIL HIGHER SECONDARY SCHOOL, DULIAJAN	From OIL HIGHER SECONDARY CROSSING Pole JB(31)	120	1	
31	OIL HIGHER SECONDARY CROSSING	from Nehru maidan (40)	230		1
32	OIL HOSPITAL	From Civil Dept new SM Fiber 600 mrt + 200 Mtr for cameras	800	2	2
33	D+, HOSPITAL FRONT SIDE COVERING NURSE HOSTEL	From inside Hospital	150		1
34	B TYPE PUJA MANDAP	from Outdoor Junction Box near Dhuliajan Club tinali	330		1
35	W-77 PIPE YARD	From INSIDE B-LANE NEAR QTR NO. B165/B186(2) Junction Box	430		1
36	ST XAVIERS SCHOOL	From Junction Box between (53) & (67)	350	1	
37	HELIPAD	From NEAR NEHRU MAIDAN WATER TANK Pole JB (38)	400		1
38	NEAR NEHRU MAIDAN WATER TANK	From Zaloni club(42)	350		1
39	DULIAJAN CLUB TINIALI	From inside Hospital (DS)	530		1
40	NEHRU MAIDAN	from Outdoor Junction Box near Dhuliajan Club tinali	180		1
41	Tiny Tot School	From ZALONI CLUB Pole JB	150	1	
42	ZALONI CLUB	From Hospital new SM Fiber 1100 mtr + 200 extra for local camera connection	1300	1	1
43	F-1 GUEST HOUSE	From Zaloni club (42) Pole JB	100		1
44	F-14/F-16	From outside F-1 Guest House(43) Pole JB	300		1
45	MAIN GUEST HOUSE	From outside F-14/F-16 (44)Pole JB	120		1
46	PERCY EVANS GUEST HOUSE	From outside main guest house(45) Pole JB	100		1
47	MAHIRSHI BALMIKI MANDIR GATE-1	From MAHIRSHI BALMIKI MANDIR GATE-2 (48) Pole JB	350	1	
48	MAHIRSHI BALMIKI MANDIR GATE-2	From midpoint of 43-44 placing uderground fiber junction box	390	1	



49	DZ ENTRY POINT	From OLD TSK EXIT GATE(51) Pole JB	300		1
50	UPCOMING GIRLS HOSTEL NEAR DZ	From DZ ENTRY POINT(49)Pole JB	365		1
51	OLD TSK EXIT GATE	From DD END POINT(52)Pole JB	290		1
52	DD END POINT	From Outdoor Junction Box near colony DS	100		1
53	APPROCH POINT OF DX	From Outdoor Junction Box between control room and distribution switch uplink	20		1
54	DX MARKET POINT	From Outdoor Junction Box between control room and distribution switch uplink	120		1
55	DX TDX MIDDLE POINT	From DS near DX TDX MIDDLE POINT(55)	30		1
56	NEW TD+ END POINT	From DX TDX MIDDLE POINT(55) Pole JB	300		1
57	BX WATER TANK	From TD+FIELD (60) Pole JB	900		1
58	BX EXIT GATE	From BX WATER TANK (57)Pole JB	220		1
59	NEAR BX+ 1-12 SIGN BOARD	From BX EXIT GATE(58) pole JB	350		1
60	TD+FIELD	From Outdoor junction Box	160		1
61	BOTANICAL GARDEN END POINT	From Outdoor junction Box	430		1
62	CHILDREN PARK CROSSING	FromAX CORNER(64) Pole JB	330		1
63	CRPF CAMP	From Outdoor junction Box	150		1
64	AX CORNER	From BOTANICAL GARDEN END POINT(61) Pole JB	280		1
65	CT END POINT	From Outdoor OFC Junction Box between (62) and (63)	250		1
66	ASSAM PUBLIFC SCHOOL	From Outdoor OFC Junction Box between (60) and (61)	400	1	
67	MONALI RESTRURENT POINT	From DS near DX TDX MIDDLE POINT(55)	320		1
68	Distribution Point 1	From Zaloni Club new ofc sm	520		
69	Distribution Point 2	From Distribution Point 1 new ofc sm& from control room	3300		
70	Materials Dept Type 2 Distribution	From UNION OFFICE GATE pole JB	600	8	
71	Contract Dept Type 2 Distribution	From Controm Room	150	8	
72	Civil Dept Type 2 Distribution	From Contract Dept	500	10	4
73	IT(R&D Bldg) Type 2 Distribution	Mention at S/N 16		7	
74	15 Remote Drilling Sites	Via VSAT/Wireless	N/A		15



TOTAL	23420	58	77
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Tender No & Date: SDI7433P16 dated 09.06.15

Checklist to be submitted by the bidder

Please indicate YES/NO against each clause		
1	Implement the entire project on a turnkey basis	YES/NO
2	Provide 4 operators for central control room	YES/NO
3	Provide 1 Engineer, 2 technicians during warranty & AMS other than 4 Control Room operators	YES/NO
4	Salary of deployed personnel (Basic + DA) is minimum Rupees 6500/- per month.	YES/NO
5	Carry out all necessary electrical jobs as per scope of work.	YES/NO
6	Have Designated office and single point of contact in Assam	YES/NO
7	Arrange own accommodation & transport	YES/NO
8	Meet delivery, installation & commissioning terms.	YES/NO
9	Providing 3 years onsite warranty	YES/NO
10	Providing 4 years of AMS	YES/NO
11	Stock critical spares as per the list provided	YES/NO
12	Have experience of 1 similar campus during last 7 years of value minimum Rs. 3 Crore	YES/NO
13	Relevant documents have been submitted.	YES/NO
14	Accept Penalty terms	YES/NO
15	Provide MAF	YES/NO
16	Accept Payment Terms	YES/NO

Note: Deviations to any terms and conditions of the tender must be explicitly mentioned. Otherwise it will be construed that the bidder agrees to all the terms and conditions of the tender fully as it is.

NON-DISCLOSURE AGREEMENT

BETWEEN

Oil India Ltd (OIL), a company incorporated under the Companies Act, 1956 and having its registered office at Duliajan, Assam – 786602, hereinafter referred to as “**OIL**” (which expression shall unless it be repugnant to the context or meaning thereof, mean and include its successors in office and assignees) of the **ONE PART** and

AND

_____ a company incorporated under the Companies Act, 1956 having its registered office at _____ . (hereinafter referred to as “_____” which expression unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) of the **SECOND PART**;

OIL and _____ are hereinafter collectively referred to as the “Parties”.

WHEREAS, the Parties intend to engage in discussions and negotiations concerning the establishment of a business relationship between themselves. In the course of such discussions and negotiations, it is anticipated that each Party may disclose or deliver to the other certain or some of its trade secrets or confidential or proprietary information, for the purpose of enabling the other party to evaluate the feasibility of such business relationship (hereinafter referred to as “**the Project**”).

The Parties wish to ensure that all such confidential information disclosed by either party will be held by the party who has received it in confidence and used solely in connection with their cooperation.

NOW, THEREFORE, in consideration of the foregoing premises, and the mutual covenants contained herein, the Parties hereby agree as follows:

ARTICLE 1. DEFINITION

For the purpose of this Agreement,

ARTICLE-1: CONFIDENTIAL INFORMATION

“Confidential Information” shall mean and include any information of any nature (commercial, technical, marketing, financial, etc.) in any form including but not limited to copy, abstract, sample, note or module, disclosed by either party (the “Disclosing Party”) to the other party (the “Receiving Party”) within the scope of the Project, whether such information are disclosed through written documents, electronic transmissions, orally or visually, and without it being necessary for the Disclosing Party to specify the confidential nature of such information.

ARTICLE 2. CONFIDENTIALITY

2.1 The Receiving Party hereby agrees to consider and treat as strictly confidential, during the term of this Agreement, the Confidential Information of the Disclosing Party. This paragraph shall survive after any expiration or termination of this Agreement and shall bind Receiving Party, its employees, agents, representatives, successors, heirs and assigns.

The Receiving Party agrees in particular:

- i) not to publish in any manner or otherwise disclose to any third party any Confidential Information or part of it, and to treat all Confidential Information at least with the same degree of care as it applies to its own files of a confidential nature;
- ii) not to use Confidential Information, even partially, for the benefit of any third party or for its own account (except for the sole purpose of the business arrangement described in the recitals above);
- iii) not to decompile, disassemble, decode, reproduce, redesign, reverse engineer or manufacture any information, code, process, products or equipment of the Disclosing Party or any part thereof; and
- iv) to disclose Confidential Information only to those of its employees and Affiliates who have a reasonable need to know in connection with the business arrangement described in the recitals above, to inform such employees of the confidential nature of the Confidential Information, and to cause them to comply with any and all terms of this Agreement.

- v) to disclose confidential information to consultants engaged by receiving Party provided such consultant also executes a Non-Disclosure Agreement with the receiving party that contains terms and conditions that are no less restrictive than these and with the prior consent of the disclosing party.

2.2 Neither **OIL** nor _____ shall disclose to the public or to any third parties (i) the fact that the cooperation described in the recitals above is taking place between them, or (ii) the fact that Confidential Information have been made available to it or that it

has inspected any portion of the Confidential Information, without the prior written consent of the other party, unless required to do so by applicable law or regulation.

In the latter case, prior to disclosure of any information concerning the existence of the cooperation, the party obliged to make a disclosure shall inform the other party of the reason and proposed content of such disclosure and shall written consent thereon.

ARTICLE 3. EXCEPTIONS

The obligations set forth in **Article 2** of this Agreement shall not apply to Confidential Information which:

- i) is in the public domain at the time of its disclosure by the Disclosing Party or thereafter falls into it without any breach of this Agreement (and, in that case, only from the date on which it fell into the public domain) ;
- ii) was known by the Receiving Party prior to its disclosure by the Disclosing Party, provided that the Receiving Party gives proper evidence of such prior knowledge; or
- iii) has been rightfully obtained by the Receiving Party from a third party without any breach of a confidentiality obligation towards the Disclosing Party; or
- iv) has been independently discovered or developed by the Receiving Party without using Confidential Information, so long as such independent discovery or development can be documented and verified.
- v) is required to be disclosed as per any law in force in India or under order of any competent court.

Confidential Information shall not be deemed to be or fall within exceptions i) to v) merely because it is embraced by more general information in the public domain or by more general

information thereafter acquired or developed by the Receiving Party. In addition, any combination of features/items/information/data shall not be deemed to be within the foregoing exceptions merely because individual features/items/information/data are in the public domain or in the possession of the Receiving Party.

ARTICLE 4. RETURN OF DOCUMENTS

Upon the expiration of this Agreement, or at the Disclosing Party's request, the Receiving Party shall promptly return to the Disclosing Party all documents including but not limited to copies, abstract, extracts, samples, notes or modules embodying Confidential Information of the Disclosing Party, or, at the option and direction of the Disclosing Party, destroy all copies of the Disclosing Party's Confidential Information and certify in writing that such copies have been duly destroyed. Until that date, the Receiving Party shall keep such documents in a place permitting both their secrecy and their rapid recovery.

ARTICLE 5. NO OTHER RIGHTS OR OBLIGATIONS

5.1 Notwithstanding the disclosure of any Confidential Information by the Disclosing Party to the Receiving Party, the Disclosing Party shall retain title and all intellectual property and proprietary rights in the Confidential Information. No license under any trademark, patent or copyright, or application for same which are now or thereafter may be obtained by such Party is either granted or implied by the conveying of Confidential Information. The Receiving Party shall not conceal, alter, obliterate, mutilate, deface or otherwise interfere with any trademark, trademark notice, copyright notice, confidentiality notice or any notice of any

5.2 Nothing in this Agreement shall be construed as granting or conferring to either party any rights by license or otherwise in the Confidential Information, except as expressly provided herein.

5.3 Nothing in this Agreement shall be construed as (i) obligating either party to disclose any information which it does not wish to disclose, or (ii) obligating either party to accept any offer or enter into any agreement between the Parties.

5.4 Other proprietary right of the Disclosing Party on any copy of the Confidential Information, and shall reproduce any such mark or notice on all copies of such Confidential Information. Likewise, the Receiving Party shall not add or emboss its own or any other any mark, symbol or logo on such Confidential Information.

ARTICLE 6. NO WAIVER OF RIGHT ON DELAY

6.1 No delay or omission by either party in exercising any rights under this Agreement will operate as a waiver of that or any other right. A waiver or consent given by either party on any one occasion is effective only in that instance and will not be construed as a bar to or waiver of any right on any other occasion.

ARTICLE 7. APPLICABLE LAW – JURISDICTION

7.1 All disputes arising in connection with this Agreement, if not settled amicably by the Parties, shall be finally settled under the provisions of the Indian Arbitration and Conciliation Act, 1996 by three arbitrators appointed in accordance with the said Act.

7.2 The arbitration shall be conducted in English. The arbitral tribunal shall have its seat in **Guwahati** or any other place as may be mutually agreed by both the parties. The arbitration award shall be final and binding on the Parties, and the Parties agree to be bound thereby and to act accordingly. The costs of arbitration shall be borne by the party as provided in the Act.

7.3 The Courts of **Dibrugarh** shall only have the jurisdiction for the purpose of this Agreement

ARTICLE 8. DURATION

This Agreement shall come into force on the date written hereunder, and shall remain in force for a period of **four (4)** years starting from such date. The obligations set forth in Article 2 hereof shall survive the expiration of this Agreement for the period specified in such Article.

ARTICLE 9. COMPLETE AGREEMENT

The Parties agree that this Agreement (i) is the complete and exclusive statement between the Parties with respect to the protection of the confidentiality of Confidential Information, (ii)

supersedes all related discussions and other communications between the Parties, and (iii) may only be modified in writing by authorized representatives of the Parties.

ARTICLE 10. PUBLICATIONS

Neither Party shall make news releases, public announcements, give interviews, issue or publish advertisements or publicize in any other manner whatsoever in connection with this Agreement, the contents/provisions thereof, other information relating to this Agreement, the Purpose, the Confidential Information or other matter of this Agreement, without the prior written approval of the other Party.

ARTICLE 11. REMEDIES

The Receiving Party acknowledges that if the Receiving Party fails to comply with any of its obligations hereunder, the Disclosing Party may suffer immediate, irreparable harm for which monetary damages may not be adequate. The Receiving Party agrees that, in addition to all other remedies provided at law or in equity, the Disclosing Party shall be entitled to injunctive relief hereunder.

IN WITNESS WHEREOF the Parties have caused this Agreement to be executed by their duly authorized representatives on the date written hereunder.

Made on _____, at _____(Place)

On behalf of OIL

On behalf of _____

Signature : _____

Signature : _____

Name:

Name:

Designation:

Designation:

Annexure- DDD

INTEGRITY PACT

Between

Oil India Limited (OIL) hereinafter referred to as "The Principal"

And

(**Name of the bidder**).....hereinafter referred to as "The Bidder/Contractor"]

Preamble :

The Principal intends to award, under laid down organizational procedures, contract/s for Tender No. **SDI7433P16** The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organisation "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
 2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
 3. The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a Page 2 of 6 substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder/Contractor

- (1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
 1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
 3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future Contracts

If the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the

amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.
1. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

Section 4 - Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to 3 % of the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.
2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.
3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 - Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/Contractor/Subcontractors

1. The Bidder/Contractor undertakes to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

2. The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.
3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 - Criminal charges against violating Bidders/Contractors/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - External Independent Monitor/Monitors (three in number depending on the size of the contract) (to be decided by the Chairperson of the Principal)

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.
3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.
4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

7. If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
8. The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairperson of the Principal.

Section 10 - Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.
2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

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TUHIN ROY DEPUTY MANAGER MATERIALS (IP) -----	-----
For the Principal	For the Bidder/Contractor

Place. Duliajan.	Witness 1 :
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Date 09.06.2015 .	Witness 2 :]
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Technical Bid Checklist**Annexure-EEE**

Tender No.			
Bidder's Name :			
		Compliance by Bidder	
SL. NO.	BEC / TENDER REQUIREMENTS	Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Bidder to confirm that he has not taken any exception/deviations to the bid document .		
2	Confirm that the product offered strictly conform to the technical specifications.		
3	Confirm that the Offer has been made with Bid Bond / Bank Guarantee / Earnest Money along with the offer (Wherever Applicable) ?		
4	Confirm unconditional validity of the bid for 120 days from the date of opening of techno-commercial bid.		
5	Confirm that the prices offered are firm and / or without any qualifications?		
6	Confirm that all relevant fields in the on-line bidding format have been filled in by the bidder for the items quoted by them.		
7	Confirm that the price bid is in conformity with OIL's online bidding format ?		
8	Confirm that the Bid comply with all the terms & conditions ?		
9	Confirm that the offers and all attached documents are digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) as per Indian IT Act 2000.		
10	CONFIRM THAT YOU HAVE SUBMITTED THE DULY SIGNED INTEGRITY PACT DOCUMENT (Wherever Applicable)		
11	CONFIRM THAT YOU SHALL SUBMIT PERFORMANCE BANK GUARANTEE AS PER NIT IN THE EVENT OF PLACEMENT OF ORDER ON YOU (Wherever Applicable)		
12	CONFIRM THAT YOU HAVE SUBMITTED DOCUMENTS AS PER GENERAL QUALIFICATION CRITERIA		
13	Confirm that you have submitted Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager where Bid security has been submitted as Bank Guarantee.		

NOTE: Please fill up the greyed cells only.

Response Sheet**Annexure-FFF**

Tender No.	
Bidders Name	

Bidders Response Sheet

Sl No.	Description	Remarks
1	Name of Bidder	
2	Whether tender document purchased from OIL's offices.	
3	Place of Despatch	
4	Whether Freight charges have been included in your quoted prices	
5	Whether Insurance charges have been included in your quoted prices	
6	Make of quoted Product	
7	Offered Validity of Bid as per NIT	
8	Delivery Period in weeks from placement of order	
9	Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.	
10	Bid Security Submitted (if applicable)	
11	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
12	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	
13	Bid Security if Not submitted reasons thereof	
14	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
15	Integrity Pact Submitted (if applicable)	
16	Whether submitted documents in support of General Qualification criteria of NIT	
17	If bidder is Small scale unit whether you have quoted your own product	
18	If bidder is Small scale unit whether you are eligible for purchase preference (as per Govt guidelines)	
19	Whether filled up the bank details for online payment as per Annexure GGG	

NOTE: Please fill up the greyed cells only.

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETTER HEAD)
(ALL FIELDS ARE MANDATORY)**

Tender No. :.....
Name of Beneficiary :M/s.....
Vendor Code :.....
Address :.....
.....
Phone No. (Land Line) :.....
Mobile No. :.....
E-mail address :.....
Bank Account No. (Minimum
Eleven Digit No.) :.....
Bank Name :.....
Branch :.....
Complete Address of your
Bank :.....
IFSC Code of your Bank
a) RTGS :.....
b) NEFT :.....
PAN :.....
VAT Registration No. :.....
CST Registration No. :.....
Service Tax Registration No. :.....
Provident Fund Registration :.....

I/We confirm and agree that all payments due to me/us from Oil India Limited can be remitted to our above mentioned account directly and we shall not hold Oil India Limited responsible if the amount due from Oil India Limited is remitted to wrong account due to incorrect details furnished by us.

Office Seal

.....
Signature of Vendor

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

- 1) PAN Card
- 2) VAT Registration Certificate
- 3) Service Tax Registration
- 4) CST Registration
- 5) Provident Registration Certificate
- 6) Cancelled cheque of the bank account mentioned above (in original).
- 7) Bank Statement not older than 15 days on the date of submission.