



RAILTEL CORPORATION OF INDIA LIMITED
(A Govt. of India Undertaking, Ministry of Railways)

Expression of Interest for Selection of Partner from Empaneled Business Associate

for participation in IOCL Tender No. WRCC/2022-23/PT/52 for

“Design, supply, installation, testing and commissioning of IP Based CCTV Surveillance System along with associated works at various locations under Gujarat State Office.”

**EOI No: RailTel/WR/MUM/IOCL_GJ/EOI/2022-23 dated 22nd September
2022**

**Western Railway Microwave Complex, Senapati Bapat Marg, Mahalaxmi,
Mumbai-400013**

EOI NOTICE

RailTel Corporation of India Limited, Western Railway Microwave Complex, Senapati Bapat Marg, Mahalaxmi, Mumbai-400013

EOI Notice No: RailTel/WR/MUM/IOCL_GJ/EOI/2022-23 dated 22nd September 2022

RailTel Corporation of India Ltd., (here after referred to as "RailTel") invites EOIs from RailTel's Empaneled Partners for the selection of suitable partner for participation in IOCL Tender No. WRCC/PT/2022-23/PT/56 for **"Design, supply, installation, testing and commissioning of IP Based CCTV Surveillance System along with associated works at various locations under Gujarat State Office."**

The details are as under:

1	Last date for submission of Technical Packet against EOIs by bidders	24 th September 2022 at 15:00 Hours
2	Opening of Technical Bid of EOIs	24 th September 2022 at 15:15 Hours
3	Number of copies to be submitted for scope of work	One
4	Token EOI-EMD inclusive tax (Non-refundable)	Rs. 5,00,000/-
5	Final EMD (balance amount from already submitted token EOI-EMD needs to be submitted before submission of bid to end customer)	Rs. 50,99,630/-

The EMD should be in the favor of RailTel Corporation of India Limited payable at Mumbai through online bank transfer. Partner needs to share the online payment transfer details like UTR No. date and Bank along with the proposal.

RailTel Bank Details: Union Bank of India, Account No.317801010036605, IFSC Code - UBIN0531782, Branch name – Mahalaxmi Branch

Eligible Business Associates are required to direct all communications related to this Invitation for EOI document, through the following Nominated Point of Contact persons:

Level:1 Contact: Richa Ratna
Position: Sr. Manager/Marketing
Email: richa_ratna@railtelindia.com
Contact: +91-9004444163

Level:2 Contact: Anand Kumar
Position: Dy. General Manager/Marketing
Email: anandnkn@railtelindia.com

Level:3 Contact: Sharad Sharma
Position: General Manager
Email : sharad.sharma@railtelindia.com

Note:

1. Empaneled partners are required to submit soft copy (password protected PDF) of technical packet through an e-mail at eoι.wr@railtelindia.com, duly signed by Authorized Signatories with Company seal and stamp. **The size of file should not exceed 20 Mb.**
2. The EOI response is invited from eligible **Empaneled Partners of RailTel only.**
3. All the document must be submitted with proper indexing and page no.
4. This is an **exclusive arrangement with empaneled business associate of RailTel for participating in the end customer RFP**. Selected partner's authorized signatory has to give an undertaking they will not submit directly or indirectly their bids and techno-commercial solution/association with any other organization once selected through this EOI (before and after submission of bid to prospective organization by RailTel). This undertaking has to be given with this EOI Response.
5. **Transfer and Sub-letting.** The Business Associate has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof.

1. Introduction about RailTel

RailTel Corporation of India Limited (RailTel), an ISO-9001:2000 organization is a Class-A Mini-Ratna Government of India undertaking under the Ministry of Railways. The Corporation was formed in Sept 2000 with the objectives to create nationwide Broadband Telecom and Multimedia Network in all parts of the country, to modernize Train Control Operation and Safety System of Indian Railways and to contribute to realization of goals and objective of national telecom policy 1999. RailTel is a wholly owned subsidiary of Indian Railways.

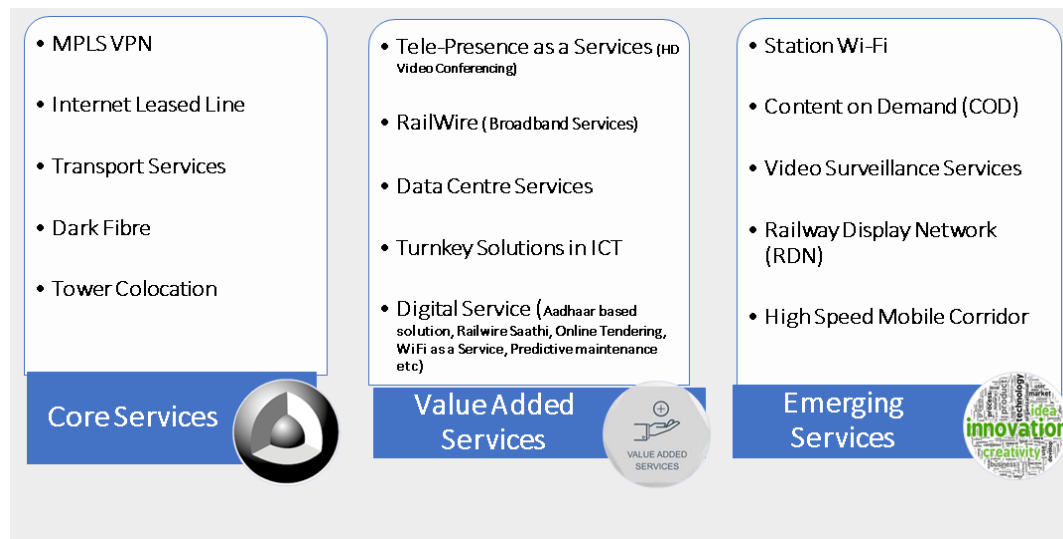
RailTel has approximately 60000 kms of OFC along the protected Railway tracks. The transport network is built on high capacity DWDM and an IP/ MPLS network over it to support mission critical communication requirements of Indian Railways and other customers. RailTel has Tier-III Data Center in Gurgaon and Secunderabad hosting / collocating critical applications. RailTel is also providing Telepresence as a Service (TPaaS), where a High-Definition Video Conference facility bundled with required BW is provided as a Service.

For ensuring efficient administration across India, country has been divided into four regions namely, Eastern, Northern, Southern & Western each headed by Executive Director and Headquartered at Kolkata, New Delhi, Secunderabad & Mumbai respectively. These regions are further divided into territories for efficient working. RailTel has territorial offices at Guwahati, & Bhubaneswar in East, Chandigarh, Jaipur, Lucknow in North, Chennai & Bangalore in South, Bhopal, and Pune & Ahmedabad in West. Various other territorial offices across the country are proposed to be created shortly.

RailTel's business service lines can be categorized into three heads namely B2G/B2B (Business to Government and Business to Business) and B2C (Business to customers):

Licenses & Service portfolio:

Presently, RailTel holds Infrastructure Provider -1, National Long-Distance Operator, International Long Distance Operator and Internet Service Provider (Class-A) licenses underwhich the following services are being offered to various customers:



a) Carrier Services

- National Long Distance: Carriage of Inter & Intra -circle Voice Traffic across India using state of the art NGN based network through its Interconnection with all leading Telecom Operators
- Lease Line Services: Available for granularities from E1 to multiple of Gigabit bandwidth & above
- Dark Fiber/Lambda: Leasing to MSOs/Telco's along secured Right of Way of Railway tracks
- Co-location Services: Leasing of Space and 1000+ Towers for collocation of MSC/BSC/BTS of Telco's

b) Enterprise Services

- Managed Lease Line Services: Available for granularities from E1, DS-3, STM-1 & above
- MPLS VPN: Layer-2 & Layer-3 VPN available for granularities from 2 Mbps & above
- Dedicated Internet Bandwidth: Experience the "Always ON" internet connectivity at your fingertips in granularities 2 Mbps to several Gbps

c) DATA CENTER Infrastructure as a service (IaaS), Hosting as Services, Security operation Centre as a Service (SOCaaS): RailTel has MeitY empaneled two Tier-III data centres in Gurgaon & Secunderabad. Presently RailTel is hosting critical applications of Indian Railways, Central & State government/ PSUs applications. RailTel will facilitate Government's applications / Hosting services including smooth transition to secured state owned RailTel's Data Centers and Disaster Recovery Centres. RailTel also offers SOC as a Service 'SOCaaS'. In addition, RailTel offers VPN client services so that employees can seamlessly access government's intranet, applications securely from anywhere without compromising security.

- National Long Distance: Carriage of Inter & Intra -circle Voice Traffic across India using state of the art NGN based network through its Interconnection with all leading Telecom Operators
- Lease Line Services: Available for granularities from E1 to multiple of Gigabit bandwidth & above
- Dark Fiber/Lambda: Leasing to MSOs/Telco's along secured Right of Way of Railway tracks
- Co-location Services: Leasing of Space and 1000+ Towers for collocation of MSC/BSC/BTS of Telco's

d) High-Definition Video Conference: RailTel has unique service model of providing high-definition video conference bundled with Video Conference equipment, bandwidth and FMS services to provide end to end seamless services on OPEX model connecting HQ with other critical offices. RailTel also offers application-based video conference solution for employees to be productive specially during this pandemic situation.

e) Retail Services – RailWire

RailWire: Triple Play Broadband Services for the Masses. RailTel has unique model of delivering broadband services, wherein local entrepreneurs are engaged in delivering &

maintaining broadband services and upto 66% of the total revenues earned are shared to these local entrepreneurs in the state, generating jobs and revitalizing local economies. On date RailTel is serving approx 4,00,000 subscribers on PAN Indian basis. RailTel can provide broadband service across– Government PSU or any organization's officers colonies and residences.

2. Project Background and Objective of EOI

RailTel intends to participate in a tender floated (hereinafter referred as RFP/Tender) by **Indian Oil Corporation Limited (IOCL)** for **Design, supply, installation, testing and commissioning of IP Based CCTV Surveillance System along with associated works at various locations under Gujarat State Office. (Ref No. WRCC/2022-23/PT/52).**

RailTel invites EOIs from RailTel's Empaneled Partners for the selection of suitable partner for participating in above mentioned work for the agreed scope work. The empaneled partner is expected to have excellent execution capability and good understanding customer local environment.

3. Scope of Work

The scope of work will be as mentioned in the tender floated by **Indian Oil Corporation Limited (IOCL)** for **Design, supply, installation, testing and commissioning of IP Based CCTV Surveillance System along with associated works at various locations under Gujarat State Office. (Ref No. WRCC/2022-23/PT/52).** Tender floated by IOCL is attached as Annexure-6 in this EOI document.

The above scope of work is indicative, and the detailed scope of work is given in the end customer tender along with latest amendments and clarifications.

In case of any discrepancy or ambiguity in any clause / specification pertaining to scope of work area, the RFP released by end customer organization shall supersede and will be considered sacrosanct. (All associated clarifications, response to queries, revisions, addendum and corrigendum, associated prime service agreement (PSA)/MSA/SLA also included.)

Special Note: RailTel may retain some portion of the work mentioned in the end organization RFP, where RailTel has competence so that overall proposal becomes most winnable proposal. Scope of Work and payment terms shall be on a back-to-back basis as per the end customer RFP.

4. Response to EOI guidelines

4.1 Language of Proposals

The proposal and all correspondence and documents shall be written in English in password protected PDF file through an email (size of email should not exceed 20Mb) to eoι.wr@railtelindia.com.

4.2 RailTel's Right to Accept/Reject responses

RailTel reserves the right to accept or reject any response and annul the bidding process or even reject all responses at any time prior to selecting the partner, without thereby incurring any liability to the affected bidder or Business Associate or without any obligation to inform the affected bidder or bidders about the grounds for RailTel's action.

4.3 EOI response Document

The bidder is expected to examine all instructions, forms, terms and conditions and technical specifications in the bidding documents. Submission of bids, not substantially responsive to the bidding document in every aspect will be at the bidder's risk and may result in rejection of its bid without any further reference to the bidder.

All pages of the documents shall be signed by the bidder including the closing page in token of his having studied the EOI document and should be submitted along with the bid.

4.4 Period of Validity of bids and Bid Currency

Bids shall remain valid for the period of validity of the Pre-Bid agreement which will be signed with the selected partner.

4.5 Bidding Process

The bidding process as defined in para 9.

4.6 Bid Earnest Money (EMD)

4.6.1 The Business Associate shall furnish a sum as given in EOI Notice via online transfer from any scheduled bank in India in favour of "RailTel Corporation of India Limited" along with the offer. This will be called as **EOI EMD**.

4.6.2 Offers not accompanied with valid EOI Earnest Money Deposit shall be summarily rejected.

4.6.3 In case of Business Associate's offer is selected for bidding, a BA has to furnish Earnest Money Deposit (for balance amount as mentioned in the customer's Bid as and if applicable) for the bid to RailTel. The selected Business Associate shall have to submit a Bank Guarantee against EMD in proportion to the quoted value/scope of work to RailTel before submission of bid to end customer as and if applicable.

4.6.4 Non-submission of remaining EMD as applicable will lead to forfeiture of token 'EOI EMD'.

4.6.5 EMD can be received in the form of bank Guarantee/Online Bank Transfer/ Fixed Deposit. Bank guarantee has to be confirmed with the Structural Financial Messaging System (SFMS) confirmation from the issuing Bank in favor of RailTel. In case of Fixed Deposit, lien in favor of RailTel is to be ensured. However, EMD amount equal or less than Rs. 5 Lakhs shall be sought only in Online Bank transfer.

4.6.6 **Return of EMD for unsuccessful Business Associates:** EOI EMD of the unsuccessful Business Associate shall be returned without interest after completion of EOI process (i.e. after pre-bid agreement is signed with the selected partner)

4.6.7 **Return of EMD for successful Business Associate:** EOI-EMD & Earnest Money Deposit (balance proportionate EMD) if applicable of the successful bidder will be discharged / returned as promptly as possible after the receipt of RailTel's EMD/BG from the Customer and or on receipt of Security Deposit Performance Bank Guarantee as applicable (clause no. 4.7) from Business Associate whichever is later.

4.6.8 **Forfeiture of EOI EMD or EOI EMD & EMD (balance proportionate EMD) and or Penal action as per EMD Declaration:**

4.6.8.1 The EOI EMD may be forfeited and or penal action shall be initiated if a Business Associate withdraws his offer or modifies the terms and conditions of the offer during validity period.

4.7 Security Deposit / Performance Bank Guarantee (PBG)

4.7.1 In case the bid is successful, the PBG of requisite amount proportionate to the agreed scope of the work will have to be submitted to RailTel.

4.7.2 As per work share arrangements agreed between RailTel and Business Associate the PBG will be proportionately decided and submitted by the selected Business Associate.

4.8 Last date & time for Submission of EOI response

EOI response must be submitted to RailTel at the email address specified in the preamble not later than the specified date and time mentioned in the preamble.

4.9 Modification and/or Withdrawal of EOI response

EOI response once submitted will be treated, as final and no modification will be permitted except with the consent of the RailTel.

No Business Associate shall be allowed to withdraw the response after the last date and time for submission.

The successful Business Associate will not be allowed to withdraw or back out from the response commitments. In case of withdrawal or back out by the successful business associate, the Earnest

Money Deposit shall be forfeited, and all interests/claims of such Business Associate shall be deemed as foreclosed.

4.10 Clarification of EOI Response

To assist in the examination, evaluation and comparison of bids the purchaser may, at its discretion, ask the Business Associate for clarification. The response should be in writing and no change in the price or substance of the EOI response shall be sought, offered or permitted.

4.11 Period of Association/Validity of Agreement

RailTel will enter into agreement with selected bidder with detailed Terms and conditions.

5. Pre-Qualification Criteria for Bidding Business Partner of RailTel

S No.	Particulars	Criteria for Tender Package
		(Mandatory Compliance & Document Submission)
A)	Financial Conditions	
i)	BA should be registered under Companies Act, 1956 or Companies Act 2013 or as amended and should have at least 3 years of operations in India as on bid submission date.	1. Certificate of Incorporation 2. GST Registration 3. PAN Card 4. Documentary evidence in the form of Order/Agreement/ MOU etc
ii)	BA individually should have an annual financial turnover (Total revenue as per annual financial closure period of the company) during any of the preceding 3 financial years i.e. FY 2018-19, FY 2019-20, FY 2020-21 should be atleast Rs. 981.80 Lakhs.	Turnover Certificate issued by the Chartered Accountant. Certificate should contain UDIN no. issued by ICAI and extracts from the audited balance sheet and profit & loss for last three financial year.
iii)	BA should also have a positive net worth in the last FY i.e. FY 2020-21	Positive Net Worth Certificate issued by the CA.
iv)	The participating bidder should be a currently active empaneled partner of RailTel.	Documentary proof of empanelment along with proof of empanelment Fee to be submitted.
B)	Technical Conditions	
v)	Bidder should have similar* experience in India related to supply, as on bid submission date. <i>Similar* experience:</i> <i>"Supply, installation and commissioning of CCTV System with allied works" or</i> <i>"Installation, commissioning, testing of Telecom or ICT Network".</i>	Work Orders / Letter of Intent / Signed Contract along with Go-live Certificate / Client Completion Certificate / Self declaration of work-in-progress or completion

S No.	Particulars	Criteria for Tender Package
		(Mandatory Compliance & Document Submission)
vi)	The supplier should be Class 1 or Class 2 Local supplier.	Documentary proof to be submitted.
C)	Annexures	
vii)	Annexure 1	Covering Letter: Self-certification duly signed by authorized signatory on company letter head.
viii)	Annexure 2	The Bidder should agree to abide by all the technical, commercial & financial conditions of the end customer RFP for which EOI is submitted.
		Self-certification duly signed by authorized signatory on company letter head.
ix)	Annexure 3	An undertaking signed by the Authorized Signatory of the company to be provided on letter head. The Bidder should not have been blacklisted/debarred by any Governmental /Non-Governmental Organization in India as on bid submission date.
x)	Annexure-4	Format for Affidavit to be uploaded by BA along with the tender documents.
xi)	Annexure-5	Non-disclosure agreement with RailTel.
xii)	Power of Attorney	Power of Attorney and Board Resolution in favor of one of its employees who will sign the Bid Documents.
xiii)	Additional Documents to be Submitted	Technical Proposal with overview of the project with strength of the Partner.

6. Bidder's Profile

The bidder shall provide the information in the below table:

S. No.	ITEM	Details
1.	Full name of bidder's firm	
2.	Full address, telephone numbers, fax numbers, and email address of the primary office of the organization / main / head / corporate office	
3.	Name, designation and full address of the Chief Executive Officer of the bidder's organization as a whole, including contact numbers and email Address	
4.	Full address, telephone and fax numbers, and email addresses of the office of the organization dealing with this tender	
5.	Name, designation and full address of the person dealing with the tender to whom all reference shall be made regarding the tender enquiry. His/her telephone, mobile, Fax and email address	
6.	Bank Details (Bank Branch Name, IFSC Code, Account number)	
7.	GST Registration number	

7. Evaluation Criteria

- 7.1 The Business Associates are first evaluated on the basis of the Pre-Qualification Criteria as per clause 5 above.
- 7.2 The Business Associate who meets all the Pre-qualification criteria, their price bid will be evaluated. The Lowest (L1) price bidder will be selected and entered into agreement with for delivery of the work on back-to-back basis for the agreed scope of work if RailTel is awarded contract from end customer.
- 7.3 RailTel reserves the right to further negotiate the prices with eligible L1 bidder during further reverse auction process of end customer. Selected bidder must ensure the best commercial offer to RailTel to offer the most winnable cost to customer.
- 7.4 RailTel also reserves the right to accept or reject the response against this EOI, without assigning any reasons. The decision of RailTel is final and binding on the participants. The RailTel evaluation committee will determine whether the proposal/ information is complete in all respects and the decision of the evaluation committee shall be final. RailTel may at its discretion assign lead factor to the Business associate as per RailTel policy for shortlisting partner against this EOI.
- 7.5 All General requirement mentioned in the Technical Specifications are required to be complied. The solution proposed should be robust and scalable.

8. Payment terms

- 8.1 RailTel shall make payment to selected Business Associate after receiving payment from Customer for the agreed scope of work. In case of any penalty or deduction made by customer for the portion of work to be done by BA, same shall be passed on to Business Associate.
- 8.2 All payments by RailTel to the Partner will be made after the receipt of payment by RailTel from end Customer organization.

9. SLA

The selected bidder will be required to adhere to the SLA matrix if/as defined by the end Customer. SLA breach penalty will be applicable proportionately on the selected bidder, as specified by the end Customer. The SLA scoring and penalty deduction mechanism for in-scope of work area shall be followed as specified by the customer. All associated clarifications, responses to queries, revisions, addendum and corrigendum, associated Prime Services Agreement (PSA)/ MSA/ SLA also included. Any deduction by Customer from RailTel payments on account of SLA breach which is attributable to Partner will be passed on to the Partner proportionately based on its scope of work.

10. Other Terms and Conditions

Any other terms and conditions in relation to SLA, Payments, PBG etc. will be as per the RFP of the end customer.

Note: Depending on RailTel's business strategy RailTel may choose to work with Partner who is most likely to support in submitting a winning bid.

Annexure 1: Format for COVERING LETTER

COVERING LETTER (To be on company letter head)

Eol Reference No:

Date :

To,

RailTel Corporation of India Ltd.
Western Railway Microwave
complex, Senapati Bapat Marg,
Mahalaxmi, Mumbai 400013

Dear Sir,

SUB: Participation in the Eol process

Having examined the Invitation for Eol document bearing the reference number _____ released by your esteemed organization, we, undersigned, hereby acknowledge the receipt of the same and offer to participate in conformity with the said Invitation for Eol document.

If our application is accepted, we undertake to abide by all the terms and conditions mentioned in the said Invitation for Eol document.

We hereby declare that all the information and supporting documents furnished as a part of our response to the said Invitation for Eol document, are true to the best of our knowledge. We understand that in case any discrepancy is found in the information submitted by us, our Eol is liable to be rejected.

We hereby Submit EMD amount of Rs. _____ issued vide _____ from Bank _____.

Authorized Signatory

Name

Designation

Annexure 2: Format for Self-Certificate & Undertaking

Self-Certificate (To be on company letter head)

Eol Reference No:

Date:

To,

RailTel Corporation of India Ltd.
Western Railway Microwave
complex, Senapati Bapat Marg,
Mahalaxmi, Mumbai 400013

Dear Sir,

Sub: Self Certificate for Tender, Technical & other compliances

- 1) Having examined the Technical specifications mentioned in this EOI & end customer tender, we hereby confirm that we meet all specification.
- 2) We _____ agree to abide by all the technical, commercial & financial conditions of the end customer RFP for which EOI is submitted (except pricing, termination & risk purchase rights of the RailTel). We understand and agree that RailTel shall release the payment to selected BA after the receipt of corresponding payment from end customer by RailTel. Further we understand that in case selected BA fails to execute assigned portion of work, then the same shall be executed by RailTel through third party or departmentally at the risk and cost of selected BA.
- 3) We agree to abide by all the technical, commercial & financial conditions of the end customer's RFP for the agreed scope of work for which this EOI is submitted.
- 4) We hereby agree to comply with all OEM technical & Financial documentation including MAF, Technical certificates/others as per end to end requirement mentioned in the end customer's RFP. We are hereby enclosing the arrangement of OEMs against each of the BOQ item quoted as mentioned end customer's RFP. We also undertake to submit MAF and other documents required in the end Customer organization tender in favour of RailTel against the proposed products.
- 5) We hereby undertake to work with RailTel as per end customer's RFP terms and conditions. We confirm to submit all the supporting documents constituting/ in compliance with the Criteria as required in the end customer's RFP terms and conditions like technical certificates, OEM compliance documents.

- 6) We understand and agree that RailTel is intending to select a BA who is willing to accept all terms & conditions of end customer organization's RFP for the agreed scope of work. RailTel will strategies to retain scope of work where RailTel has competence.
- 7) We hereby agree to submit that in case of being selected by RailTel as BA for the proposed project (for which EOI is submitted), we will submit all the forms, appendix, relevant documents etc. to RailTel that is required and desired by end Customer well before the bid submission date by end customer and as and when required.
- 8) We hereby undertake to sign Pre Bid Agreement and Non-Disclosure Agreement with RailTel on a non-judicial stamp paper of Rs. 100/- in the prescribed Format.

Authorized Signatory

Name & Designation

Annexure 3: Undertaking for not Being Blacklisted/Debarred

<On Company Letter Head>

To,

RailTel Corporation of
India Ltd. Western Railway
Microwave complex,
Senapati Bapat Marg,
Mahalaxmi, Mumbai
400013

Subject: Undertaking for not Being

Blacklisted/Debarred

We, Company Name, having its registered office at Address

hereby declares that that the Company has not been blacklisted/debarred by any

Governmental/ Non-Governmental organization in India for past 3 Years as on bid submission date.

Date and Place

Authorized Signatory's Signature:

Authorized Signatory's Name and Designation:

Bidder's Company Seal:

Annexure 4: Format of Affidavit

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY BA ALONGWITH THE EOI DOCUMENTS

(To be executed in presence of Public notary on non-judicial stamp paper of the value of Rs. 100/-. The paper has to be in the name of the BA) **

I..... (Name and designation)** appointed as the attorney/authorized signatory of the BA (including its constituents),
M/s.....(hereinafter called the BA) for the purpose of the EOI documents for the work of as per the EOI No. of (RailTel Corporation of India Ltd.), do hereby solemnly affirm and state on the behalf of the BA including its constituents as under:

1. I/we the BA (s), am/are signing this document after carefully reading the contents.
2. I/we the BA(s) also accept all the conditions of the EOI and have signed all the pages in confirmation thereof.
3. I/we hereby declare that I/we have downloaded the EOI documents from RailTel website www.railtelindia.com. I/we have verified the content of the document from the website and there is no addition, no deletion or no alternation to be content of the EOI document. In case of any discrepancy noticed at any stage i.e. evaluation of EOI, execution of work or final payment of the contract, the master copy available with the RailTel Administration shall be final and binding upon me/us.
4. I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5. I/we also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6. I/we declare that the information and documents submitted along with the EOI by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7. I/we undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during process for evaluation of EOI, it shall lead to forfeiture of the EOI EMD besides banning of business for five years on entire RailTel. Further, I/we (insert name of the BA)**.....and all my/our constituents understand that my/our constituents understand that my/our offer shall be summarily rejected.
8. I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract including banning of business for five years on entire RailTel.

DEPONENT
SEAL AND SIGNATURE
OF THE BA

VERIFICATION

I/We above named EOI do hereby solemnly affirm and verify that the contents of my/our above affidavit are true and correct. Nothing has been concealed and no part of it is false.

DEPONENT

SEAL AND SIGNATURE
OF THE BA

Place:

Dated:

****The contents in Italics are only for guidance purpose. Details as appropriate, are to be filled in suitably by BA. Attestation before Magistrate/Notary Public.**

Annexure-5: Non-Disclosure Agreement (NDA) Format

NON-DISCLOSURE AGREEMENT

This Non-Disclosure Agreement (this "**Agreement**") is made and entered into on this ____ day of ____, 2021 (the "**Effective Date**") at _____.

By and between

RailTel Corporation of India Limited, (CIN: L64202DL2000GOI107905), a Public Sector Undertaking under Ministry of Railways, Govt. of India, having its registered and corporate office at Plate-A, 6th Floor, Office Block, Tower -2, East Kidwai Nagar, New Delhi-110023, (hereinafter referred to as '**RailTel**'), which expression shall unless repugnant to the context or meaning thereof, deem to mean and include its successors and its permitted assignees of the ONE PART,

And

_____) (CIN: _____), a company duly incorporated under the provisions of Companies Act, _____ having its registered office at _____, (hereinafter referred to as '**_____**'), which expression shall unless repugnant to the context or meaning thereof, deem to mean and include its successors and its permitted assignees of OTHER PART

RailTel and _____ shall be individually referred to as "Party" and jointly as "Parties"

WHEREAS, RailTel and _____, each possesses confidential and proprietary information related to its business activities, including, but not limited to, that information designated as confidential or proprietary under Section 2 of this Agreement, as well as technical and non-technical information, patents, copyrights, trade secrets, know-how, financial data, design details and specifications, engineering, business and marketing strategies and plans, forecasts or plans, pricing strategies, formulas, procurement requirements, vendor and customer lists, inventions, techniques, sketches, drawings, models, processes, apparatus, equipment, algorithms, software programs, software source documents, product designs and the like, and third party confidential information (collectively, the "**Information**");

WHEREAS, the Parties have initiated discussions regarding a possible business relationship for _____.

WHEREAS, each Party accordingly desires to disclose certain Information (each Party, in such disclosing capacity, the "**Disclosing Party**") to the other Party (each Party, in such receiving capacity, the "**Receiving Party**") subject to the terms and conditions of this Agreement.

NOW THEREFORE, in consideration of the receipt of certain Information, and the mutual promises made in this Agreement, the Parties, intending to be legally bound, hereby agree as follows:

Permitted Use.

Receiving Party shall:

hold all Information received from Disclosing Party in confidence;

use such Information for the purpose of evaluating the possibility of entering into a commercial arrangement between the Parties concerning such Information; and

restrict disclosure of such Information to those of Receiving Party's officers, directors, employees, affiliates, advisors, agents and consultants (collectively, the "**Representatives**") who the Receiving Party, in its reasonable discretion, deems need to know such Information, and are bound by the terms and conditions of (1) this Agreement, or (2) an agreement with terms and conditions substantially similar to those set forth in this Agreement.

The restrictions on Receiving Party's use and disclosure of Information as set forth above shall not apply to any Information that Receiving Party can demonstrate:

is wholly and independently developed by Receiving Party without the use of Information of Disclosing Party;

at the time of disclosure to Receiving Party, was either (A) in the public domain, or (B) known to Receiving Party;

is approved for release by written authorization of Disclosing Party; or

is disclosed in response to a valid order of a court or other governmental body in the India or any political subdivision thereof, but only to the extent of, and for the purposes set forth in, such order; provided, however, that Receiving Party shall first and immediately notify Disclosing Party in writing of the order and permit Disclosing Party to seek an appropriate protective order.

(c) Both parties further agree to exercise the same degree of care that it exercises to protect its own Confidential

Information of a like nature from unauthorised disclosure, but in no event shall a less than reasonable degree of care be exercised by either party.

Designation.

Information shall be deemed confidential and proprietary and subject to the restrictions of this Agreement if, when provided in:

written or other tangible form, such Information is clearly marked as proprietary or confidential when disclosed to Receiving Party; or

oral or other intangible form, such Information is identified as confidential or proprietary at the time of disclosure.

Cooperation. Receiving Party will immediately give notice to Disclosing Party of any unauthorized use or disclosure of the Information of Disclosing Party.

Ownership of Information. All Information remains the property of Disclosing Party and no license or other rights to such Information is granted or implied hereby. Notwithstanding the foregoing, Disclosing Party understands that Receiving Party may currently or in the future be developing information internally, or receiving information from other parties that may be similar to Information of the Disclosing Party. Notwithstanding anything to the contrary, nothing in this Agreement will be construed as a representation or inference that Receiving Party will not develop products, or have products developed for it, that, without violation of this Agreement, compete with the products or systems contemplated by Disclosing Party's Information.

No Obligation. Neither this Agreement nor the disclosure or receipt of Information hereunder shall be construed as creating any obligation of a Party to furnish Information to the other Party or to enter into any agreement, venture or relationship with the other Party.

Return or Destruction of Information.

All Information shall remain the sole property of Disclosing Party and all materials containing any such Information (including all copies made by Receiving Party) and its Representatives shall be returned or destroyed by Receiving Party immediately upon the earlier of:

termination of this Agreement;

expiration of this Agreement; or

Receiving Party's determination that it no longer has a need for such Information.

Upon request of Disclosing Party, Receiving Party shall certify in writing that all Information received by Receiving Party (including all copies thereof) and all materials containing such Information (including all copies thereof) have been destroyed.

Injunctive Relief: Without prejudice to any other rights or remedies that a party may have, each party acknowledges and agrees that damages alone may not be an adequate remedy for any breach of this Agreement, and that a party shall be entitled to seek the remedies of injunction, specific performance and/or any other equitable relief for any threatened or actual breach of this Agreement

Notice.

Any notice required or permitted by this Agreement shall be in writing and shall be delivered as follows, with notice deemed given as indicated:

by personal delivery, when delivered personally;

by overnight courier, upon written verification of receipt; or

by certified or registered mail with return receipt requested, upon verification of receipt.

Notice shall be sent to the following addresses or such other address as either Party specifies in writing.

RailTel Corporation of India limited:

Attn: _____

Address: _____

Phone: _____

Email: _____

_____:

Attn: _____

Address: _____

Phone: _____

Email: _____

Term, Termination and Survivability.

Unless terminated earlier in accordance with the provisions of this agreement, this Agreement shall be in full force and effect for a period of _____ years from the effective date hereof.

Each party reserves the right in its sole and absolute discretion to terminate this Agreement by giving the other

party not less than 30 days' written notice of such termination.

Notwithstanding the foregoing clause 9(a) and 9 (b) , Receiving Party agrees that its obligations, shall:

In respect to Information provided to it during the Term of this agreement, shall survive and continue even after the expiry of the term or termination of this agreement; and

not apply to any materials or information disclosed to it thereafter.

Governing Law and Jurisdiction. This Agreement shall be governed in all respects solely and exclusively by the laws of India without regard to its conflicts of law principles. The Parties hereto expressly consent and submit themselves to the jurisdiction of the courts of New Delhi.

Counterparts. This agreement is executed in duplicate, each of which shall be deemed to be the original and both when taken together shall be deemed to form a single agreement

No Definitive Transaction. The Parties hereto understand and agree that no contract or agreement with respect to any aspect of a potential transaction between the Parties shall be deemed to exist unless and until a definitive written agreement providing for such aspect of the transaction has been executed by a duly authorized representative of each Party and duly delivered to the other Party (a "***Final Agreement***"), and the Parties hereby waive, in advance, any claims in connection with a possible transaction unless and until the Parties have entered into a Final Agreement.

Settlement of Disputes:

The parties shall, at the first instance, attempt to resolve through good faith negotiation and consultation, any difference, conflict or question arising between the parties hereto relating to or concerning or arising out of or in connection with this agreement, and such negotiation or consultation shall begin promptly after a Party has delivered to another Party a written request for such consultation.

In the event of any dispute, difference, conflict or question arising between the parties hereto, relating to or concerning or arising out of or in connection with this agreement, is not settled through good faith negotiation or consultation, the same shall be referred to arbitration by a sole arbitrator.

The sole arbitrator shall be appointed by CMD/RailTel out of the panel of independent arbitrators maintained by RailTel, having expertise in their respective domains. The seat and the venue of arbitration shall be New Delhi. The arbitration proceedings shall be in accordance with the provision of the Arbitration and Conciliation Act 1996 and any other statutory amendments or modifications thereof. The decision of arbitrator shall be final and binding on both parties. The arbitration proceedings shall be conducted in English Language. The fees and cost of arbitration shall be borne equally between the parties.

CONFIDENTIALITY OF NEGOTIATIONS

Without the Disclosing Party's prior written consent, the Receiving Party shall not disclose to any Person who is not a Representative of the Receiving Party the fact that Confidential Information has been made available to the Receiving Party or that it has inspected any portion of the Confidential Information or that discussions between the Parties may be taking place.

REPRESENTATION

The Receiving Party acknowledges that the Disclosing Party makes no representation or warranty as to the accuracy or completeness of any of the Confidential Information furnished by or on its behalf. Nothing in this clause operates to limit or exclude any liability for fraudulent misrepresentation.

ASSIGNMENT

Neither this Agreement nor any of the rights, interests or obligations under this Agreement shall be assigned, in whole or in part, by operation of law or otherwise by any of the Parties without the prior written consent of each of the other Parties. Any purported assignment without such consent shall be void. Subject to the preceding sentences, this Agreement will be binding upon, inure to the benefit of, and be enforceable by, the Parties and their respective successors and assigns.

EMPLOYEES AND OTHERS

Each Party shall advise its Representatives, contractors, subcontractors and licensees, and shall require its Affiliates to advise their Representatives, contractors, subcontractors and licensees, of the obligations of confidentiality and non-use under this Agreement, and shall be responsible for ensuring compliance by its and its Affiliates' Representatives, contractors, subcontractors and licensees with such obligations. In addition, each Party shall require all persons and entities who are not employees of a Party and who are provided access to the

Confidential Information, to execute confidentiality or non-disclosure agreements containing provisions no less stringent than those set forth in this Agreement. Each Party shall promptly notify the other Party in writing upon learning of any unauthorized disclosure or use of the Confidential Information by such persons or entities.

NO LICENSE

Nothing in this Agreement is intended to grant any rights to under any patent, copyright, or other intellectual property right of the Disclosing Party, nor will this Agreement grant the Receiving Party any rights in or to the Confidential Information of the Disclosing Party, except as expressly set forth in this Agreement.

RELATIONSHIP BETWEEN PARTIES:

Nothing in this Agreement or in any matter or any arrangement contemplated by it is intended to constitute a partnership, association, joint venture, fiduciary relationship or other cooperative entity between the parties for any purpose whatsoever. Neither party has any power or authority to bind the other party or impose any obligations on it and neither party shall purport to do so or hold itself out as capable of doing so.

20: UNPULISHED PRICE SENSITIVE INFORMATION (UPSI)

_____ agrees and acknowledges that _____, its Partners, employees, representatives etc., by virtue of being associated with RailTel and being in frequent communication with RailTel and its employees, shall be deemed to be "Connected Persons" within the meaning of SEBI (Prohibition of Insider Trading) Regulations, 2015 and shall be bound by the said regulations while dealing with any confidential and/ or price sensitive information of RailTel. _____ shall always and at all times comply with the obligations and restrictions contained in the said regulations. In terms of the said regulations, _____ shall abide by the restriction on communication, providing or allowing access to any Unpublished Price Sensitive Information (UPSI) relating to RailTel as well as restriction on trading of its stock while holding such Unpublished Price Sensitive Information relating to RailTel

MISCELLANEOUS. This Agreement constitutes the entire understanding among the Parties as to the Information and supersedes all prior discussions between them relating thereto. No amendment or modification of this Agreement shall be valid or binding on the Parties unless made in writing and signed on behalf of each Party by its authorized representative. The failure or delay of any Party to enforce at any time any provision of this Agreement shall not constitute a waiver of such Party's right thereafter to enforce each and every provision of this Agreement. In the event that any of the terms, conditions or provisions of this Agreement are held to be illegal, unenforceable or invalid by any court of competent jurisdiction, the remaining terms, conditions or provisions hereof shall remain in full force and effect. The rights, remedies and obligations set forth herein are in addition to, and not in substitution of, any rights, remedies or obligations which may be granted or imposed under law or in equity.

IN WITNESS WHEREOF, the Parties have executed this Agreement on the date set forth above.

_____:

RailTel Corporation of India Limited:

By _____

By _____

Name:

Name:

Title:


Title:

Witnesses

Annexure-6 Tender floated by IOCL

**THIS TENDER IS OF A PP-LC
MODALITY TYPE TENDER.**

PLEASE GO THROUGH
“**BIDDER HELP DOCUMENT
FOR PREFERENTIAL BIDDING**”
ATTACHED ALONG WITH THE
TECHNICAL BID BEFORE
SUBMITTING THE BID.

 IndianOil A Maharatna Company	TENDER NO: WRCC/2022-23/PT/52	Page No. 2
	Design, supply, installation, testing and commissioning of IP Based CCTV Surveillance System along with associated works at various locations under Gujarat State Office.	

NOTICE INVITING E-TENDER – WEBSITE

Indian Oil Corporation Limited invites electronic bids through its website <https://iocletenders.nic.in> under two bid systems (RA) (Part A - Technical / Commercial Bid and Part B - Price Bid) from reputed technically competent, quality conscious, experienced and financially sound contractors having experience of similar works and fulfilling the qualifying requirements as stated hereunder:

1.0	E-TENDER NO.	:	Tender No: WRCC/2022-23/PT/52 E-Tender Ref: Tender ID : 2022_WRO_155158
2.0	NAME OF WORK	:	Design, supply, installation, testing and commissioning of IP Based CCTV Surveillance System along with associated works at various locations under Gujarat State Office.
3.0	TENDER FEE	:	Nil Bidders are required to download the tender documents free of cost from IOCL e-tender website (https://iocletenders.nic.in)
4.0	ESTIMATED COST Inclusive of all taxes and Duties	:	Rs. 50,99,62,958/- (Rupees Fifty Crore Ninety Nine Lacs Sixty Two Thousand Nine Hundred Fifty Eight Only) including GST as per location wise lot wise details mentioned below:

SN	Location	Supplies (Inclusive of all taxes and Duties) (In Rs) (a)	Services - Installation and Commissioning (Inclusive of all taxes and Duties) (In Rs) (b)	CAMC works for 6 years (Inclusive of all taxes and Duties) (In Rs) (c)	Total (Inclusive of all taxes and Duties) (In Rs)
Lot-A:					
1	Asoj Black Oil Terminal	198,55,764	31,58,197	57,53,490	287,67,452

2	Vadodara White Oil T	242,85,664	39,78,427	70,66,023	353,30,114
3	Kandla Main Terminal	270,99,189	47,02,778	79,50,492	397,52,460
4	Sidhpur Terminal	319,46,935	56,15,625	93,90,640	469,53,201
5	Surat AFS	44,86,792	4,16,034	12,25,706	61,28,532
6	Sanand BP	338,40,221	42,47,287	95,21,877	476,09,385
Lot-A Total:		1415,14,566	221,18,349	409,08,229	2045,41,143
Lot-B:					
1	LBP Silvasa	182,70,841	28,89,475	52,90,079	264,50,395
2	Bhavnagar BP	300,82,584	39,36,164	85,04,687	425,23,435
3	Gandhar BP	291,55,678	37,95,385	82,37,766	411,88,829
4	Rajkot BP	308,85,053	39,77,420	87,15,618	435,78,091
Lot-B Total:		1083,94,156	145,98,444	307,48,150	1537,40,750
Lot-C:					
1	Hazira BP	287,59,516	38,28,526	81,47,011	407,35,053
2	Kandla LPG	419,11,000	56,85,873	118,99,218	594,96,090
Lot-C Total:		706,70,516	95,14,399	200,46,229	1002,31,144
Lot-D:					
1	Vadodara BP	364,68,772	46,91,164	102,89,984	514,49,921
Lot-D Total:		364,68,772	46,91,164	102,89,984	514,49,921

The above projected estimated cost (including GST) of respective locations are tentative & may increase or decrease during execution/contract period.

CONTACT DETAILS OF THE LOCATION

S.No	Name of the location	Address of the location	Location in-charge name and Contact No
1	Vadodara Black Oil Terminal, Asoj	Near Asoj Railway Overbridge, Savli Road, Village- Asoj, Dist. Vadodara- 391745	GS Vala / 8141566566
2	Vadodara White Oil TL	VWOT, IOCL, Dhumal, Behind Bus Stand, Chhani, Vadodara, Gujarat 391740	Kshitij Shukla / 9040004919
3	Kandla Main TL	Lilashah Nagar, Gandhidham, Gujarat 370201	SS Kulkarni / 9930020084
4	Sidhpur Terminal	Sujanpur State Highway, near Hotel Milestone, Siddhpur, Gujarat 384151	S Nandagopal / 9727765550
5	Surat AFS	Indian Oil Corporation Limited, Aviation Fuel Station, Inside Surat Airport, Annex ATC Tower, Surat Airport, Dumas Road, Gaviyer, Surat 395007	Akshay Ramdas Mhetre 8347537875
6	Sanand BP	Sanand-Viramgam Highway, Nr.Vadnagar Bus stop, Sanand-382110.	Brajesh Kumar,GM(P) 9473192690
7	LBP Silvasa	Plot No: 75/1, Village: Karajgam, PO: Amboli, Silvassa, Dadra and Nagar Haveli-396230	B. L. MURMU / 9167528753

8	Bhavnagar BP	Tagadi Village, Bhuel-Gogha Road,Bhavnagar-364002	Nitin Pandey ,CPM 9453016084
9	Gandhar BP	Rojatankara Village, Amod Taluk, Bharuch District-392140	Amit Kumar verma,SPM 9426416092
10	Rajkot BP	NH88, Near Sat.Hanuman Temple, Anandpar Navagam Village,Rajkot-360003.	M Balaraju ,DGM(P) 9426416090
11	Hazira BP	PO ONGC Nagar, Bhatpore,Surat-394518	Vijay Bhatkar,9448286697
12	Kandla LPG	PO: box no.7, KK Road, near Booster station,Kandla-370210	B K Chauhan,DGMI/C(P) 7657888122
13	Vadodara BP	Near Dumad Village,Vadodra-Savli Road,Vadodora-390740	SKN Prasad, CPM 9408800041

5.0	EARNEST MONEY DEPOSIT	:	<p>NIL</p> <p>"Bidders to note that there shall be no requirement of paying EMD against this e-tender. However, all bidders shall be required to mandatorily submit the Bid Security declaration in lieu of EMD as per the standard format attached.</p> <p>The requirement of submission of Bid Security Declaration shall also applicable on bidders who are exempted from payment of EMD (MSEs as per PPP, Startups, CPSEs and JVs).</p> <p>The bid shall be summarily rejected if Bid Security Declaration in lieu of EMD is not uploaded in e-Tendering portal on or before tender submission date and time."</p>
6.0	TENDER DOWNLOAD PERIOD FROM e-TENDER PORTAL:		
a	Starts on	:	18-08-2022 15:00 HRS
b	Ends on	:	12-09-2022 15:00 HRS
7.0	PRE-BID MEETING/ CONFERENCE	:	<p>26-08-2022 11:00 HRS</p> <p>Indian Oil Corporation Limited (Marketing Division) WESTERN REGION CONTRACT CELL Indian Oil Bhavan,Plot C-33 G-Block, Bandra Kurla Complex, Bandra (East), Mumbai - 400 051. India</p> <p>Bidders to please note that Pre Bid conference will be held in our office on DATE MENTIONED ABOVE wherein all the clarifications, if any, with regard to Technical/ Commercial conditions shall be given.</p> <p>Bidders are advised to ensure that the queries must reach</p>

			<p>office of the Corporation at least two working days in advance for this purpose.</p> <p>The editable soft copy of the queries may also be sent on email address (rajasekharb@indianoil.in) given in press release / tender documents.</p> <p>Bidders also to note that after the clarifications are given in Pre Bid conference, no further deviation shall be permitted and all decisions taken by IOCL in the pre-bid conference shall be binding on all bidders. All are requested to attend the Pre Bid conference.</p>
8.0	SUBMISSION OF TENDER IN e-TENDER PORTAL:		
a	Starts on	:	30-08-2022 15:00 hrs
b	Ends on	:	12-09-2022 15:00 hrs
9.0	DUE DATE FOR OPENING OF TENDER:		
a.	Opening of Tender (Technical Bid Only)		13-09-2022 15:00 hrs
10.0	TENDER VALIDITY	:	120 days from opening of technical bid.
11.0	COMPLETION PERIOD	:	Location wise as per table below from the thirtieth (30th) day from date of SAP PO or 15 days from the date of e-mailing the PO or 15 days from the date of dispatch of the PO by Courier/Registered post whichever is later (excluding CAMC period)

Lot-A

Name of the location	Completion period
Asoj Black Oil Terminal	4 months
Vadodara White Oil Terminal	4 months
Kandla Main Terminal	4 months
Sidhpur Terminal	4 months
Surat AFS	4 months
Sanand BP	4 months

Lot-B

Name of the location	Completion period
LBP Silvassa	4 months
Bhavnagar BP	4 months
Gandhar BP	4 months
Rajkot BP	4 months

Lot-C

Name of the location	Completion period
----------------------	-------------------

Hazira BP	4 months
Kandla LPG	4 months

Lot-D

Name of the location	Completion period
Vadodara BP	4 months

12	MODE OF TENDER SUBMISSION	:	It may please be noted that this is an e-Tender and can only be downloaded and submitted in the manner specified in 'Special Instructions to bidders for participating in e-tender' attached separately in this tender.
13	CONTACT PERSON	:	Chief Manger (Contracts) 022 2672 2447 rajasekharb@indianoil.in Indian Oil Corporation Limited (Marketing Division) WESTERN REGION CONTRACT CELL Indian Oil Bhavan,Plot C-33 G-Block, Bandra Kurla Complex, Bandra (East), Mumbai - 400 051. India
14	Names of IEMs	:	Details of IEMs are available in URL: https://www.iocl.com/Integrity%20Pact Details of IEMs are available in URL: https://www.iocl.com/Talktous/IntPact.aspx IEMs Mr. Basant Seth, Former CMD, Syndicate Bank and Information Commissioner, CIC Mr. Madhusudan Prasad, IAS (Retd.) Mr. Vijai Prakash Pathak, IRSS (Retd.) and Former Member Materials Management (MMM), Railway Board E-mail: iem-iocl[at]indianoil[dot]in
15	PRE-QUALIFICATION CRITERIA (PQC)-		
A	<p style="text-align: center;">EXPERIENCE:</p> <p>The vendor should have the experience of having successfully completed similar woks (defined below) during the last five years upto the last day of the month previous to the one in which tenders are being invited 31.07.2022 as per following:</p> <ul style="list-style-type: none"> ➤ Three similar completed works each costing not less than the amount equal to Rs 490.90 Lacs. <li style="text-align: center;">or ➤ Two similar completed works each costing not less than the amount equal to Rs 654.54 Lacs. <li style="text-align: center;">or ➤ One similar completed works costing not less than the amount equal to Rs 818.17 Lacs. <p style="text-align: center;">Note:</p> <ul style="list-style-type: none"> ➤ The value of completed job to be submitted by prospective bidders shall be compared with values as prescribed above. There shall be no deduction against Taxes. ➤ The completed job value shall be exclusive of AMC value. 		

	<ul style="list-style-type: none"> ➤ The Work Order should contain the above similar work items and for qualification purpose the entire executed value of WO (which may contain any other item) shall be considered. ➤ The experience of the tenderer for subject tendered as per the above requirement must be of his or her own directly from the end client/owner and not with the support of another party/parent company/subsidiary/partner's firm/group firm/consultant etc. <p>DEFINITIONS OF SIMILAR WORKS</p> <p>Experience in successful completion of:</p> <p>(a) Supply, Installation and Commissioning of CCTV System with allied works</p> <p>in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports.</p> <p style="text-align: center;">OR</p> <p>(b) Terminal Automation works which include Supply, Installation, commissioning with CCTV system and allied works in any Petroleum (including LPG/ Bitumen)/ Petrochemical/ Chemical industries.</p> <p>Definition of Chemical : The Chemical should be covered in the list of hazardous chemical under MSIHC Rules.</p>
B	<p style="text-align: center;">Annual Turnover:</p> <p>The annual financial turnover (Total Revenue as per annual financial closure period of the company) during any of the preceding 3 financial years i.e. 2019-20, 2020-21, 2021-22 should be at least Rs. 981.80 Lacs.</p> <p>Note:</p> <ul style="list-style-type: none"> ➤ Annual turnover for this purpose should be as per Audited Balance Sheet including P&L Statement / Published Account / Profit & Loss Account Statement of the tenderer. However, if the tenderer is not required to get its accounts audited under Section 44AB of The Income Tax Act, 1961, certificate from a Practicing Chartered Accountant towards the turnover of the tenderer along with copies of its Income Tax Return to be submitted. ➤ Audited Balance sheet (P&L Statement)/ Published accounts on a calendar year basis shall also be acceptable. ➤ In case of non-availability of audited balance sheets (Profit & Loss Account Statement)/published accounts of the immediate preceding year, the audited balance sheet (P&L Statement/ published account of 4th preceding financial year shall also be acceptable. ➤ Definition of Turnover: Total Revenue as per Schedule III of Companies act, 2013 (Earlier revised Schedule VI of Companies Act, 1956) shall be considered as turnover.
C	<p>Other Commercial Criteria:</p> <p>Following other documents shall also are required be provided onsidered for commercial evaluation:</p>

- ✓ PAN No
- ✓ PF No-However party not having PF registration must submit an undertaking in latest stamp paper of Rs 100 that they shall obtain the PF registration within 6 weeks from the date of LOA
- ✓ ESIC/Workmen Compensation Policy-However party not having ESIC/Workmen compensation Policy must submit an undertaking in latest stamp paper (rs 100) that they shall obtain the ESIC /Workmen Compensation Policy within 6 weeks from the date of LOA.
- ✓ GST :Bidders must have valid GST registration certificates
- ✓ **Partnership** deed or certificate of incorporation with memorandum and article of association, wherever applicable.

Power of Attorney: Authority of the person uploading the bids with his DSC shall be required to be submitted in the bids. Document required showing the authority of the person uploading & submitting the bid with his Digital Signature Certificate shall be as given below

In case of Proprietary Concern	<ul style="list-style-type: none"> • If the bid is submitted by the proprietor, no POA required. However, he will upload undertaking certifying that he is sole proprietor. • If the bid is submitted by person other than proprietor, POA authorizing the person to submit bid on behalf of the concern.
In case of Company	<ul style="list-style-type: none"> • Certified copy of Board Resolution authorising the person submitting the bid on behalf of the company. <p>OR</p> <ul style="list-style-type: none"> • POA and the supporting Board Resolution authorising the person submitting the bid on behalf of the company.
In case of Partnership Firm/LLP	POA along with Deed of Partnership / LLP Agreement.
In case of Co-Operative Society	Copy of resolution passed as per Society Rules.

Note: In case of POA, the same to be submitted in the Non-Judicial Stamp of appropriate value duly notarized.

- ✓ Integrity Pact Agreement

Submission of duly signed Integrity Pact agreement, along with Tender is a mandatory prerequisite for Bids to be eligible for further evaluation.

The Integrity Pact Agreement consists of (1) Covering letter from the bidder to IOCL and (2) Integrity Agreement consisting of 10 (Ten) articles. Bidders should mandatorily sign and submit the complete Integrity Pact Agreement consisting of both the Covering letter as well

	<p>as the Integrity Agreement consisting of 10 articles in order to be eligible for further evaluation in this tender.</p> <p>The signed IP should be complete in all respect and is required to be uploaded in the e-tender portal along with the Bid. Bid not having the duly signed IP agreement attached with it will be given one opportunity before summarily rejected. Partial submission of IP document will also not be considered.</p> <ul style="list-style-type: none"> ✓ Standard declarations (✓ A) Holiday Listing Declaration, B) Declarations A,B,C and D, C) Non Tampering Declaration, D) Declarations against NCLT / NCLAT /DRT /DRAT/ COURT RECEIVERSHIP/ LIQUIDATION, E) Undertaking for business transaction of bidders) ✓ Declaration against bidders having origin in countries sharing land border with India. ✓ Declarations against compliance with PP-LC Policy of MoPNG - Only Class I & II Local suppliers, are eligible to bid. Undertaking by Bidder for LC (local content) along with CA certification.
	<p>Note: “Notwithstanding any other condition/ provision in the tender documents, bidders are required to submit complete documents pertaining to PQC along with their offer. Failure to meet the PQC will render the bid to be summarily rejected. IOC reverses the right to complete the evaluation based on the details furnished by the bidder, with or without seeking any additional supporting documents/ clarifications”.</p>

Notes:

- a) Corporation reserves the right to revise/ extend any Date/time from scheduled timelines of published tender.
- b) Parties who have successfully completed similar works during last 5 years ending **upto the last day of the month previous to the one in which tenders are being invited (depending upon the date of publication of tender)** only shall be considered.
- c) Date of completion of work and the final value of works completed in the qualifying work order(s) shall be the criteria for evaluation. However, for any work where only final bill settlement is pending, then, copies of MOM/ certificates towards completion of Site Acceptance Tests/handing over, with/without attending to punch points if any including proof of payment received **upto the last day of the month previous to the one in which tenders are being invited (depending upon the date of publication of tender)** to the tune of qualifying amount shall be submitted by the bidders towards meeting qualifying norms.
- d) For the same project, if separate orders are placed for supplies and services **or** variation orders or amendment orders are issued in continuation of the original purchase/work order , then the total value of works completed against the original work orders and/or subsequent variation / amendment orders shall be accepted as one single work completed against single work order.
- e) Work carried out at multiple locations through a single Purchase order will be considered as one similar work of value equal to the cumulative value of the locations included in the purchase order.

- f) Works carried out by the vendor in India or abroad shall be considered. For works carried out abroad and payments received by the vendor thru' foreign currency, exchange rate as per SBI TT Selling rate upto the last day of the month previous to the one in which tenders are being invited (depending upon the date of publication of tender)
- g) Purchase preference for MSE's will not be applicable since the tender is a works contract type.
- h) There shall be no relaxation in prequalification criteria for experience and turnover for MSE's vendor.
- i) Additionally, any bidder from a country which shares a land border with India will be eligible to bid in this tender (as per definition specific to the Clause and Annex attached), only if the bidder is registered with the Competent Authority. Copy of the registration certificate is to be submitted along with the bid.

16.0 Purchase Preference (linked with local content): is applicable for this tender.

- A. As per amended policy guidelines issued by MoPNG on "Purchase preference (linked with local content) (PP-LC)" vide ref. FP-20013/2/2017-FP-PNG dated 17.11.2020, Purchase preference (Linked with Local Content) shall be applicable in this tender as per following modalities.
- B. Preferential bidding guidelines: To avail preferential treatment (Purchase Preference for Local Content) as per the above- mentioned guideline, the Bidder claiming preference shall update necessary details in their profile in "My Account Menu" of e- tender portal. Bidder shall select "Yes" in response to "Avail Preferential Bidder" option, else, such Bids bid shall not be considered for preferential benefits.
- C. The classification & Margin of Purchase preference shall be as follows:

SN	Description	Details
1	Supplier Classification:	
a.	Class-I Local supplier	LC >= 50%
b.	Class-II Local supplier	LC >=20% < 50%
c.	Non-Local supplier	LC < 20%
2	Margin of Purchase preference (PP-LC)	20% (i.e L1+20%)

- D. As this is a Domestic Tender, only Class I and Class II Local suppliers, are eligible to bid are eligible to bid.
- E. All Bidders participating in the tender shall submit LC declaration against qualifying as Class I or Class II. For this purpose, the details shall be submitted as per Annexure. If the bidder does not provide declaration against being a Class I or Class II Local Supplier (even after opportunity(s)), the bid shall be rejected as being from a non - eligible bidder.
- F. Bids from Bidders who claim Preferential Bidding benefits as Class I Local Supplier, if found as being non-compliant with requirements for Class I local supplier shall be rejected.

G. Purchase preference benefit shall be given only to Class-I local supplier.

H. All the eligible Class I Local Suppliers eligible for Purchase Preference i.e. with their bids within L1 +20% shall be ranked in the order of their bid value and shall be provided with opportunity to match L1 rates in the same order. In case of tie of rates post reverse auction (within price band of L1+20%) among Class I PP-LC bidders, bidder with the higher annual turnover in any of the last three years, as submitted against Turnover criteria of this tender, shall be given priority for offering of matching L1 Rate.

a) Notes:

- i) PP-LC bidder mentioned above means Class-I Local supplier as defined in the policy.
- ii) In case of EPC (works) procurements, above modality of purchase preference is not applicable for MSE's.
- iii) Only preferential bidders (~~MSEs~~ / PP-LC (Class I) quoting within the applicable purchase preference margins and agreeing to match L-1 price shall be considered. Further bidders who do not claim preferential benefit at the designated section of the portal while participating in the tender, will not be considered for any preferential benefit in that tender.
- iv) Wherever preference to MSEs is not applicable i.e. in case of works, MSE bidder shall be treated as a Non preferential bidder.
- v) In cases of Public Tender for works, if the bidder does not provide declaration against being a Class I or Class II Bidder (even after opportunity(s)), the bid shall be rejected as being from a non -eligible bidder.

Sanctions:

- a) IOCL shall impose sanction on manufacturers / Service providers not fulfilling LC of Goods / Services in accordance with value mentioned in the certificate of LC.
- b) The sanctions may be in the form of written warning, financial penalty and blacklisting.
- c) In the event that a manufacturer or supplier of goods and/or provider of services does not fulfill his obligation after the expiration of the period specified in such warning, IOCL can initiate action for blacklisting such manufacturer/supplier/service provider.
- d) A manufacturer and/or supplier of Goods and/or provider of services who has been awarded the contract after availing the Purchase Preference is found to have violated the LC provision, in the execution of the procurement contract of goods and/or services shall be subject to financial penalty. The financial penalty shall be over and above the PBG value prescribed in the contract and shall not be more than an amount equal to 10% of the contract price.

17.0 ADDITIONAL DOCUMENTS REQUIRED IN SUPPORT OF QUALIFYING NORMS:

- a. Submission of EMD / EMD exemption document as stated above.

- b. If any of the above-mentioned documents are in language other than English, the same needs to be translated in English, duly notarized (if in India)/ notarized or authenticated (if in foreign).
- c. If the copies of work orders/contracts/agreements cannot be provided due to Non-Disclosure Agreement (NDA), between the vendor and customer, then the letter from the customer addressed to IOCL (in original) specifying all relevant details of work executed, along with copy of NDA is to be submitted.
- d. Certificate from the Bidder as well as certificate from the auditor firm or CA in regard to the Net Positive Worth of the bidding company wrt Last Financial Year to be submitted.
- e. In case the contractor is not permitted to issue Tax Invoice, the same should be clearly mentioned in the Technical Bid and *a Certificate should be enclosed that he has opted for Composition Scheme under the Law.*

All required documents are to be submitted only with technical/commercial bid. No documents / conditions should be attached with the price bid. In case any essential information given by a bidder is found to be incorrect or a misrepresentation, the bid is likely to be rejected as not responsive, and if the bid has resulted in a contract, the contract is liable to be terminated pursuant to the provisions of Clause 7.0.1.0 of the General Conditions of Contract with consequences of termination as provided in Section 7 of the General Conditions of Contract.

18.0 AMBIGUITY / INCOMPLETE DOCUMENTS AGAINST PQC DOCUMENTS:

“Notwithstanding any other condition/ provision in the tender documents, bidders are required to submit complete documents pertaining to PQC along with their offer. Failure to meet the PQC will render the bid to be summarily rejected. IOC reserves the right to complete the evaluation based on the details furnished by the bidder, with or without seeking any additional supporting documents/ clarifications”.

The above restriction shall apply to PQC documents.

19.0 SUMMARY REJECTION

The tenders of the vendors falling in any one of the below will be summarily rejected

- a. Late submission of the tender.
- b. Non-submission of EMD bid security declaration/Non-payment of EMD amount in Indian Rupees within the Time limit.
- c. Invalid NSIC / MSME exemption certificates (cases where the NSIC / MSME registration is not in line with the items covered under similar works criteria, validity etc.).
- d. Not meeting the required PQ Criteria of the tender.
- e. Non-withdrawal of conditions imposed in tender document & conditions imposed during negotiations.

- f. Submission of forged or false documents / information by any Tenderer shall make their offer invalid. In addition, action shall also be taken by IOCL for forfeiture of EMD as well as putting the Tenderer on Holiday list.
- g. The bidder has to give declaration in a prescribed format that he / it / they is / are not under any Holiday List / Blacklist declared by the OWNER or by any Department of the State or Central Government or by any other Public Sector Organization and that there is no inquiry in respect of any corrupt or fraudulent practice pending against him / it / them. In case he/ it / they are under any such list, or any inquiry is pending he/ it / they shall in the declaration give full details thereof. Such Declaration in respect of a partnership firm or association of persons shall cover every partner or member of the association, and in the case of Company shall cover every Director and Principal shareholders of the company and any Holding Company and/or Subsidiary Company (ies) if any.

The tenders of such vendors who are under the holiday / black list of Indian Oil will be summarily rejected.

- h. **For vendors who are under the holiday list of any Department of the State or Central Government or by any other Public Sector Organization, if a communication is received from the Administrative Ministry of IOCL to ban a party from dealing with IOCL, the party shall be automatically put on Holiday list and their tender will be summarily rejected.**

Holiday listing by other PSUs / Government Departments shall not automatically extend to IOCL unless the Administrative Ministry of IOCL advised for the same after undertaking due diligence and process.

20.0 SELECTION OF SUCCESSFUL TENDERER & BID EVALUATION CRITERIA:

20.1 Bid Evaluation:

- 20.1.1 Tenderers are required to quote their Percentage rate {(+) OR (-)} given in the relevant columns in the Price Bid in Figures only. In case the bidder wants to quote the rate AT PAR of our estimated cost, the bidder shall write "0" (Zero) on the space provided in the price bid. After quoting the prices by the tenderer, the final quoted value will automatically get generated in the price bid both in the figures & words. Hence, all tenderer is required to quote strictly as per the format attached.
- 20.1.2 The finalized rate in % (percentage) shall be applicable equally on all items of schedule of rates provided in this tender.
- 20.1.3 Upon receipt of the bids, the documents submitted by all the parties shall be scrutinized with respect to submission of Bid security, PQC, other necessary documents, acceptance to all terms & conditions as per the tender. The offers shall be scrutinized and on the basis of the uploaded documents in e-tender portal.
- 20.1.4 Notwithstanding any other condition/ provision in the tender documents, bidders are required to submit complete documents pertaining to PQC along with their offer. Failure to meet the PQC will render the bid to be summarily rejected. IOC reserves the right to complete the evaluation based on the details furnished by the bidder, with or without seeking any additional supporting documents/ clarifications.

20.1.5 Price bids of only those parties who satisfy the above-mentioned requirements shall be considered for opening. Prior intimation will be uploaded on e-tender portal regarding due date and time of opening of Price Bid.

20.1.6 The selection of bidder will be based on lowest acceptable net delivered price for all items in the price schedule put together post reverse auction.

Net Delivered price = Basic Amount + (GST) minus Input tax credit as available to IOCL.
(Full/Part/ Nil). **Location wise ITC % is given below**

Lot-A

Name of the location	%
Asoj Black Oil Terminal	100%
Vadodara White Oil Terminal	31%
Kandla Main Terminal	100%
Sidhpur Terminal	31%
Surat AFS	0%
Sanand BP	100%

Lot-B

Name of the location	%
LBP Silvasa	100%
Bhavnagar BP	100%
Gandhar BP	100%
Rajkot BP	100%

Lot-C

Name of the location	%
Hazira BP	100%
Kandla LPG	100%

Lot-D

Name of the location	%
Vadodara BP	100%

20.1.7 Bidders are informed that Reverse Auction shall be conducted for finalizing this Tender. The GST against each item shall be quoted by the party in the price bid. RA shall be carried out in total amount (inclusive of GST) quoted by the bidder. Bidders are advised to refer the document 'Submission_for_Reverse_Auction.pdf' under the option of 'Online Bid Submission of Reverse Auction' in 'Bidders manual kit' section of IOCL e-tendering portal to know about the Reverse Auction procedure.

20.1.8 In reverse auction total L1 value of the tender will be displayed. Bidders have to quote discount in absolute value, from which percentage discount will be back calculated and finalized percentage will be applicable on each item of SOR

20.1.9 The modality for evaluating purchase preference benefits under PP-LC policy shall be as per the following :

#	Case	Conditions	Distribution methodology
1	Case: I (a)	Class I Local Supplier bidder is L1.	Lot-A works will be awarded to the L1 bidder.

		<p>(Three Class I Local Supplier are within L1+20% and eligible for Purchase preference.)</p> <p>These three Class I Local supplier will be arranged with sequence from lowest quote to the highest quote i.e. a merit list shall be prepared in ascending order of their quotes i.e. CLIL2, CLIL3 & CLIL4 excluding class II local supplier.</p> <p>Even if Class II local supplier quotes within L1+20%, they will be excluded.</p>	<p>Lot-B works shall be awarded to CLIL2 subject to matching of L1 rates.</p> <p>Lot-C works shall be awarded to CLIL3 subject to matching of L1 rates.</p> <p>Lot-D works shall be awarded to CLIL4 bidder subject to matching of L1 rates.</p>
2	Case: I (b)	<p>Class I Local Supplier bidder is L1.</p> <p>(Two Class I Local Supplier are within L1+20% and eligible for Purchase preference.)</p> <p>These two Class I Local supplier will be arranged with sequence from lowest quote to the highest quote i.e. a merit list shall be prepared in ascending order of their quotes i.e. CLIL2 & CLIL3 excluding class II local supplier.</p>	<p>Lot-A works will be awarded to the L1 bidder.</p> <p>Lot-B works shall be awarded to CLIL2 subject to matching of L1 rates.</p> <p>Lot-C works shall be awarded to CLIL3 subject to matching of L1 rates</p> <p>Lot-D works shall be awarded to lowest bidder after exclusion of L1, CLIL2 & CLIL3 subject to matching of L1 rates.</p>
3	Case: I (c)	<p>Class I Local Supplier bidder is L1.</p> <p>(Only One Class I Local Supplier CLIL2 is within L1+20% and eligible for Purchase preference.)</p>	<p>Lot-A works will be awarded to the L1 bidder.</p> <p>Lot-B works shall be awarded to CLIL2 subject to matching of L1 rates.</p> <p>Lot-C works shall be awarded to lowest bidder after exclusion of L1 & CLIL2 subject to matching of L1 rates</p> <p>Lot-D works shall be awarded to second lowest bidder after exclusion of L1, CLIL2 & (lowest bidder awarded Lot-C works) subject to matching of L1 rates.</p>
4	Case: I (d)	<p>Class I Local Supplier bidder is L1.</p> <p>(No Class I PP-LC bidder is within L1+20%)</p>	<p>Lot-A works will be awarded to the L1 bidder.</p> <p>Lot-B works shall be awarded to L2 subject to matching of L1 rates.</p> <p>Lot-C works shall be awarded to L3 subject to matching of L1 rates.</p> <p>Lot-D works shall be awarded to L4 bidder subject to matching of L1 rates.</p>
5	Case: II (a)	<p>Class II Local Supplier is L1</p> <p>Three Class I Local Supplier are within L1+20% and eligible for Purchase preference.</p>	<p>Lot-A works shall be awarded to Class I Local Supplier (CLIL1) subject to matching of L1 rates.</p> <p>Lot-B works shall be awarded to Class I Local Supplier (CLIL2) subject to matching</p>

		<p>These three Class I Local supplier will be arrange with sequence from lowest quote to the highest quote i.e. a merit list shall be prepared in ascending order of their quotes CLIL1, CLIL2 & CLIL3 excluding class II local supplier.</p>	<p>of L1 rates.</p> <p>Lot-C works shall be awarded to Class I Local Supplier (CLIL3) subject to matching of L1 rates.</p> <p>Lot-D works shall be awarded to Class II Local Supplier who is originally L1.</p> <p>(In case of non-matching of L1 Rate by any of Class I Local Suppliers, Lot-A work shall be allocated to Class II Local Supplier, who is original L1.)</p>
6	Case: II (b)	<p>Class II Local Supplier is L1</p> <p>Two Class I Local Supplier are within L1+20% and eligible for Purchase preference.</p> <p>These two Class I Local supplier will be arrange with sequence from lowest quote to the highest quote i.e. a merit list shall be prepared in ascending order of their quotes CLIL1 & CLIL2.</p>	<p>Lot-A works shall be awarded to Class I Local Supplier (CLIL1) subject to matching of L1 rates.</p> <p>Lot-B works shall be awarded to Class I Local Supplier (CLIL2) subject to matching of L1 rates.</p> <p>Lot-C works shall be awarded to Class II Local Supplier who is originally L1.</p> <p>Lot-D works shall be awarded to lowest bidder of after exclusion of L1, CLIL2 & CLIL3 subject to matching of L1 rates.</p> <p>(In case of non-matching of L1 Rate by any of Class I Local Suppliers, Lot-A work shall be allocated to Class II Local Supplier, who is original L1.)</p>
7	Case: II (c)	<p>Class II Local Supplier is L1</p> <p>Only One Class I Local Supplier (CLIL1) is within L1+20% and eligible for Purchase preference.</p>	<p>Lot-A works shall be awarded to Class I Local Supplier (CLIL1) subject to matching of L1 rates.</p> <p>Lot-B works shall be awarded to Class II Local Supplier who is originally L1.</p> <p>Lot-C works shall be awarded to lowest bidder after exclusion of original L1 & CLIL1 subject to matching of L1 rates.</p> <p>Lot-D works shall be awarded to second lowest bidder after exclusion of L1, CLIL2 & (lowest bidder awarded Lot-C works) subject to matching of L1 rates.</p> <p>(In case of non-matching of L1 Rate by any of Class I Local Suppliers, Lot-A work shall be allocated to Class II Local Supplier, who is original L1.)</p>
8	Case: III	<p>Class II Local Supplier is L1</p> <p>(No Class I PP-LC bidder is within L1+20%)</p>	<p>Lot-A works shall be awarded to Class II Local Supplier, who is original L1.</p> <p>Lot-B works shall be awarded to L2 subject to matching of L1 rates.</p> <p>Lot-C works shall be awarded to L3 subject to matching of L1 rates.</p>

			Lot-D works shall be awarded to L4 bidder subject to matching of L1 rates.
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- 20.1.10 The lowest price shall be available on the Reverse Auction screen at any point of time during the Auction process. This displayed price is the evaluated price based on which the lowest bid is determined as per evaluation criteria / Tender Terms & conditions. Accordingly, the bidder will put his quote in the Auction window if he wants to offer the reduced price considering the evaluation criteria as per Price Bid (BOQ) / Tender Terms & Conditions.
- 20.1.11 The bidder shall calculate his final evaluated price as per BOQ or evaluation criteria mentioned in the tender document and quote accordingly
- 20.1.12 The lowest quote after end of Reverse Auction shall be considered for further processing. The discounts offered during Reverse Auction shall be worked out as a percentage to the overall estimate and shall be applied to all items of SOR.
- 20.1.13 In case of identical rates between two or more bidders at L-1 position, all the L-1 bidders shall be asked to submit discount bid in terms of percentage discount over previous quoted amount in a sealed envelope.
- 20.1.14 In case of identical discount bids, the Bidder with highest annual turnover in any of the last three financial years as submitted against Turnover Criteria shall be considered as L1 Bidder. In the event of bidders submitting turnover documents for only one or two years, L1 Bidder shall be decided on the basis of turnover documents submitted.
- 20.1.15 IOCL reserves the right to conduct price negotiation with overall L1 bidder based on price quoted in BOQ and Reverse Auction.
- 20.1.16 Ranking of bidders shall be done based on the ascending order of their quotes after the completion of reverse auction.

The lowest acceptable rate (L1) with or without negotiation shall be offered to all the technically qualified bidders to match the L1 rate. On getting willingness from the parties to match the L-1 rate as above, order shall be placed on the required no. of parties as per the work distribution ratio indicated in NIT and modalities given below, in the ascending order of their ranking.

Lot-A works shall be awarded to the L1 bidder after considering purchase preference criteria.

Lot-B works shall be awarded to L2 bidder after considering purchase preference criteria.

Lot-C works shall be awarded to L3 bidder after considering purchase preference criteria.

Lot-D works shall be awarded to L4 bidder after considering purchase preference criteria.

Tenderers may note that negotiations will not be conducted with the bidders as a matter of routine. However, Corporation reserves the right to conduct such negotiations.

- 20.1.17 In case, required number of parties is not available, the Corporation reserves the right to allocate the balance quantity of works to the parties eligible and accepting the L-1 rate. The modalities shall be as follows:

- Offer for balance quantities shall be subject to their consent to deliver the additional quantity also within the scheduled completion period.

#	Case	Conditions	Works Distribution methodology
1	Case: P	Only Two bidders match the L1 rates.	<p>Lot-A works shall be awarded to the L1 bidder.</p> <p>Lot-B works shall be awarded to L2 bidder.</p> <p>Lot-C works shall be awarded to L3 bidder.</p> <p>Lot-D works shall be awarded to L1 bidder subject to meeting annual turnover criteria.</p> <p>The above works distribution is applicable only after considering purchase preference criteria only.</p>
2	Case: Q	Only One bidder match the L1 rates.	<p>Lot-A works shall be awarded to the L1 bidder.</p> <p>Lot-B works shall be awarded to L2 bidder who matche L1 rates.</p> <p>Lot-C works shall be awarded to L1 bidder subject to meeting annual turnover criteria</p> <p>Lot-D works shall be awarded to L2 bidder subject to meeting annual turnover criteria.</p> <p>The above works distribution is applicable only after considering purchase preference criteria only.</p>
3	Case: R	No bidders match the L1 rates.	<p>All Lot-A, B, C & D works shall be awarded to the L1 bidder subject to meeting annual turnover criteria.</p>

- However, allocation of additional quantity will be subject to party meeting turnover criteria as per PQC is satisfied when calculated on the intended contract value. For example if turnover in PQC is based on 60% of estimated value (including GST) for highest lot (say x) and now works is to be awarded for value (x+a), the party's turnover should be more than 60% of (x+a).

- LOA will be awarded Lot-wise and Work order will be awarded location wise.

i. Project Work Order

Project work order shall be placed on the successful L1 bidder lot wise (Technically qualified bidder quoting lowest acceptable rate, after reverse auction procedure (with or without negotiations as the case may be) & based on Overall Bid amount for all Supply and Installation & Commissioning Services at finalized rate.

For the purpose of placement of work order, item wise base rate shall be derived based on tendered estimated rate and the applicable GST rate as indicated by the L1 bidder.

Work order for all Supply and Installation & Commissioning Services items shall be placed at their base rate so derived after applying net offered premium/discount and applicable GST rate as indicated by L1 bidder in the Price Bid.

ii. CAMC Order

CAMC work order shall be placed after the completion of the Project Works at finalized rate.

For the purpose of placement of work order, year wise base rate shall be derived based on Project executed amount as detailed in special terms and conditions of the contract.

Work order for CAMC items year-wise shall be placed at their base rate so derived after applying net offered premium/discount and applicable GST rate as indicated by L1 bidder in the Price Bid.

Note:

- Rate variation in Taxes and any new promulgated taxes after last date of the submission of price bid only on the final product and/or services (applicable to invoices raised on IOCL) within the contractual delivery date /period (including extension approved if any) shall be on IOCL's Account against submission of documentary evidence.
- Further , in case of delay in delivery of goods and/or services, any upward rate variation in Taxes and any new promulgated taxes imposed after the contractual delivery date shall be to the Seller's / Contractor's Account.
- Similarly in case of any reduction in the rate(s) of the Taxes between last date of submission of price bid relevant to the Contract and the date of execution of activities under the contract, the Contractor shall pass on the benefit of such reduction to IOCL with the view that IOCL shall pay reduced duty/Tax to Govt.
- Invoice should be raised as per Tax Rates mentioned in the BIDs and in case at the time of raising Invoice if the invoices raised are not as per Tax rates mentioned in the bid, payment will be limited to the rate quoted as per BID subject to increase /decrease in Rates after last date of submission of Price Bid provided delivery is within the Contractual period.

21.0 OTHER POINTS:

- 1) Any addendum/ Corrigendum/ submission Date Extension in respect of the tender shall be issued on our website <https://iocletenders.gov.in> only & no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website to keep themselves updated.

All bidders must login and visit their DASHBOARD on regular basis to get the timely updates related to any communication sent in the form of e-mail/SMS by system.

- 2) Please visit our website <https://iocletenders.nic.in> for further details of this tender.
- 3) Legal dispute, if any, arising during the evaluation of the tender and up to placement of LOA shall be within the jurisdiction of local courts situated at <Mumbai> and after placement of LOA, the jurisdiction of local courts will be at <Ahmedabad>.
- 4) Bidders may note that the following are attached separately and uploaded in the e-tendering portal:
 - a) Special Instructions to bidders for participating in e-tendering
 - b) FAQ's –online EMD facility in IOCL e-tendering and

c) Format for Acceptance of Tender Terms and Conditions

5) **Declaration for e-tender.**

The bidder shall upload an undertaking for acceptance of all Terms & Conditions of Tender including all corrigendum/addendum issued, pre bid meeting minutes (if any) etc. as a token of their acceptance. The Format of undertaking is given in the tender documents. The undertaking needs to be printed on the letter head of the bidder and scanned copy of the undertaking duly filled up and signed by the bidder's authorized representative with seal needs to be uploaded online. However, documents which necessarily have to be submitted in originals (if any) and any other documents specifically mentioned in the tender documents have to be submitted offline.

6) **ORIGINAL DOCUMENT VERIFICATION **:**

The successful bidder (L1) shall be required to present their original documents (pertaining to PQC) to the tender inviting authority through their authorized representative within a period of 7 days from the date of opening of price bids or date of intimation as specified in Tender. Only documents against pre-qualification criteria shall be verified with originals.

In case any original document is preserved outside India and the bidder is unable to produce the originals for verification, certification of such documents from concerned embassy / Consulate should be submitted within a period of 7 days from the date of opening of price bids or date of intimation as specified in Tender.

In the event of failure of the bidder to get the documents verified as per the specified time schedule, the EMD of the party shall be forfeited.

In case, it is observed that the L1 party has submitted forged documents, besides cancellation of Tender, necessary action for Holiday listing of the party in line with guidelines shall be carried out including forfeiture of EMD.

Recommendations for award of contract shall be made only after verification of documents with originals of the successful bidder(s).

Note:

The tender will be an e-tender; therefore the date and time and document submission format will be guided by the logic/programme of the application software pertaining to the website.

Vendors to submit/upload the respective sections/portion of the techno-commercial bid documents or the documents as specifically asked for in the tender and the price bid, duly filled up.

However, documents which necessarily have to be submitted in originals (if any) and any other documents mentioned in the tender documents have to be submitted offline.

All the uploaded documents need to be digitally signed by the representative of the bidder duly authorized by notarized power of attorney/ Board Resolution/ authorized in Company letter Head under Company Seal by rank not less than Board Member. The person whose DSC is used to upload the tender also need to be duly authorised in similar way as desired for Authorised Signatory.

Indian Oil Corporation Limited shall not be responsible in any way for failure on the part of the bidder to follow the instructions.

20.0 BIDDERS UNDER INSOLVENCY OR LIQUIDATION OR BANKRUPTCY PROCEEDINGS UNDER INSOLVENCY AND BANKRUPTCY CODE, 2016

Offers from the following type of bidders shall not be considered:

- a) If the bidder is undergoing insolvency resolution process or liquidation or bankruptcy proceeding under Insolvency and Bankruptcy Code, 2016 (Code) or any other applicable law (in cases where code is not applicable),
 - b) Insolvency resolution process or liquidation or bankruptcy proceeding is initiated under the Code or any other applicable law (in cases where code is not applicable) against/by the bidder at any stage of evaluation of the bid.
- In the event, insolvency resolution process or liquidation or bankruptcy proceeding is initiated under the Code or any other applicable law (in cases where code is not applicable) against/by the bidder, after submission of its bid but at any stage of evaluation of the bid, it will be the responsibility of the bidder to inform IOCL within 15 days from the date of order of insolvency resolution process or liquidation or bankruptcy proceeding passed by the Adjudicating Authority namely, National Company Law Tribunal (NCLT) or Debt Recovery Tribunal (DRT) under the Code or any other applicable law (in cases where code is not applicable).

If bidder refuses or fails to share the information regarding their status of insolvency resolution process or liquidation or bankruptcy proceeding as sought hereinabove, in their bid or at any later stage, as applicable, their offer is liable to be rejected by IOCL and without prejudice to any other remedy or action available with IOCL, IOCL shall forfeit the Earnest Money Deposit provided by the bidder, in any form whatsoever.

- IOCL reserves the right to cancel/terminate the contract without any liability on the part of IOCL immediately on the commencement of insolvency resolution process or liquidation or bankruptcy proceeding of any party under the contract.
- In case where the bid of the L-1 bidder is rejected on the aforesaid grounds during the period between Price-Bid-Opening and Award of Contract, then the bid of the next higher eligible bidder will be considered for further processing.
- If bidder fails to share or misrepresents the information regarding their status of insolvency resolution process or liquidation or bankruptcy proceeding as sought hereinabove and the bidder's bid results in a contract, IOCL, without prejudice to any other remedy or action available with IOCL, shall be within its rights to terminate the resultant contract.
- A Declaration / Undertaking shall be submitted by the bidder in the attached format along with the techno-commercial bid. (Annex)
- Tenders who have transferred their ownership rights either in whole or in part to another entity or under process of transfer shall intimate the same to IOCL in their letter head while submitting the bid. IOCL reserves its right to reject the tender of any entity, which has transferred its ownership rights in whole or in part or which is in process of transfer without assigning any reason for such rejection.

- If the tenderer refuses or fails to share the information regarding their status of any kind of business transfer process/restructuring etc, in their tender or at any later stage, as applicable, their tender is liable to be rejected by IOCL and without prejudice to any other remedy or action available with IOCL, IOCL shall forfeit the Earnest Money Deposit provided by the tenderer, in any form whatsoever.

METHODOLOGY FOR REVERSE AUCTION

1.0 Bidders are informed that Reverse Auction (RA) will be conducted for finalizing this Tender.

Qualifying Criteria for Reverse Auction: Bidders may note this tender has provision for Preferential Bidding for PP-LC category of bidders as mentioned above and if there are more than three (3) techno-commercially accepted bidders

- i) H1 bidder will be rejected if he is a non-preferential bidder.
- ii) In case if H1 bidder is a preferential bidder, H1 bidder will be rejected if his quote is beyond L1 price as per the bidder's preferential category.
- iii) In case of more than one H1 bidders (H1 tie), latest bid received (bidder whose bid is received at the last) out of all H1 bidders will be rejected.
- iv) Intimation by mail/SMS shall be provided to the eligible bidders for Reverse Auction.

2.0 The lowest price shall be available on the Reverse Auction screen at any point of time during the Auction process. This displayed price is the evaluated price based on which the lowest bid is determined as per evaluation criteria / Tender Terms & conditions. Accordingly the bidder will put his quote in the Auction window if he wants to offer the reduced price considering the evaluation criteria as per Price Bid (BOQ1) / Tender Terms & Conditions.

3.0 Wherever required, the Evaluation factor/criteria shall be informed to the bidders before start of RA (Reverse Auction). In other cases the bidder shall calculate his final evaluated price as per BOQ 1 or evaluation criteria mentioned in the tender document and quote accordingly.

4.0 The lowest quote after end of Reverse Auction shall be considered for further processing.

5.0 IOCL reserves the right to conduct price negotiation with overall L1 bidder based on price quoted in BOQ 1 and RA.

6.0 Evaluation criteria in case of tie i.e. identical rates quoted by more than one party:

- 6.1 In case of tie between two or more bidders at L-1 position, all the L-1 bidders shall be asked to submit discount bid in terms of percentage discount over previous quoted amount in a sealed envelope. Above exercise shall currently be an offline activity outside the e-portal.
- 6.2 The sealed envelopes shall be opened jointly by one member from tendering group and one from finance on the specified date. The bidders while seeking revised bids, shall be advised to witness the opening of sealed envelopes.
- 6.3 In case there is a tie again, the bidder with the highest turnover in any of the last three years as submitted against Turnover criteria shall be considered as L1 bidder.
- 6.4 Modalities for receiving price implication from bidders for breaking of tie:

- 6.4.1 Mode of information to bidders shall preferably be through Mail with copy through courier/registered post etc.
- 6.4.2 Receipt both by hand and through post shall be acceptable. If received in advance, the same may be put in the tender box.
- 6.4.3 Normally at least 7 days notice shall be given for the submission & opening of revised price-Bid / price implication. However the exact time period depending on the geographical spread of the bidders, the work complications or the urgency involved may be decided on a case to case basis.
- 6.4.4 Based on requests from bidder(s), such time period may be extended.
- 6.4.5 In absence of response (non receipt of revised bid/ implication or request for extension), the bid may be treated as one with nil additional discount.

Signature Not Verified

Digitally signed by BOODATI
RAJASEKHAR
Date: 2022.08.18 12:49:42 IST
Location: Indian Oil Corporation Ltd-IOCL

Sub SN	NIT PAGE NO.	NIT CLAUSE	REQUEST	IOCL REPLY
1	11	Experience in successful completion of: 'Supply, Installation and Commissioning of CCTV System with allied works in any Hydrocarbon or Petroleum Installations/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports'.	Request you to consideration of Railways works also. Railway network is also huge and outdoor in nature with Venurabilities as asked in other currently in given categories	No Change, Tender conditions prevails.
1	PART-A: TECHNICAL & COMMERCIAL, 15.0 PRE QUALIFICATION CRITERIA (PQC), DEFINITIONS OF SIMILAR WORKS	(a) Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports.	We request you to add project executed for Government Sec/PSU. We request you to amend the colour to "Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports./ Government/PSU. As ask for all government projects as same all over India. Bibber need to follow all guideline proposed by government which is standard for all departments of centre or state. This will allow more bidder who have experience of implementing project for Government sector (sate or Centre or PSU) to participate in project which will lead to healthy competition	No Change, Tender conditions prevails.

2	PART-A: TECHNICAL & COMMERCIAL, 15.0 PRE QUALIFICATION CRITERIA (PQC), DEFINITIONS OF SIMILAR WORKS	PART-A: TECHNICAL & COMMERCIAL, 15.0 PRE-QUALIFICATION CRITERIA (PQC), DEFINITIONS OF SIMILAR WORKS	<p>We request you to add project executive for Government Sec/PSU. We request you to amend the colour to "Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports./Bank</p> <p>We request you to allow bidders who have experience of executing security surveillance projects in bank to participate in the bid as bank this one of the critical location as far as security surveillance is concerned . Bank are more or equality sensitive location as compare to Airports/power plants etc. . More or less Service level agreements and requirement of banks are comparable to Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/ SMART city projects/Airports.</p>	No Change, Tender conditions prevails.
3	Request of Addition	Request of Addition	Considering the quantum of work We request you to allow consortium of companies to apply for this project	Tender condition to be prevail.
1	PART-A: TECHNICAL & COMMERCIAL, 15.0 PRE QUALIFICATION CRITERIA (PQC), DEFINITIONS OF SIMILAR WORKS	(a) Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports.	<p>We request you to add project executed for Government Sec/PSU. We request you to amend the colour to "Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports./ Government/PSU/ Banks.</p> <p>We request you to allow companies with experiance on banking sector and Goverment sector to bid for this project</p>	No Change, Tender conditions prevails.
1	PRE-QUALIFICATION CRITERIA (PQC)- DEFINITION OF SIMILAR WORKS:	(a) Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports.	As IOCL is considering the work done in police department same Judiciary is equally important, hence here we request you to please also cosnider the work done in Judiciary. We request you to please amend this clause as " Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports/Judiciary.	No Change, Tender conditions prevails.

2	Completion Period	4 months	Request to extend completion period as 7 months since there is a global crisis of semiconductor material lead time is huge so looking to current scenario request to ammend completion period.	No Change, Tender conditions prevails.
3	Technical specification: IP FIXED BULLET CAMERAS (8MP – 4K RESOLUTION) WITH MOTORISED ZOOM	Sr no. 1Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	Request you to accept 1/1.9" or Better as most of OEM has this sensor. KASO Corrigendum has already accepted the same.	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable
4	Technical specification: IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION)	Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	Request you to accept 1/1.9" or Better as most of OEM has this sensor. KASO Corrigendum has already accepted the same.	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable
5	Technical specification: IP FIXED BULLET CAMERAS (8MP – 4K RESOLUTION) WITH MOTORISED ZOOM	IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION) Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	Request you to change 9-50mm/ 5-50mm/8-32mm lens for box Camera as it will be as per project requirement for Perimeter surveillance. KASO Corrigendum has already accepted the same.	For Box Camera Varifocal Lens shall be 9-50mm/ 5-50mm/8-32mm/any other combination with minimum optaical Zoom of 4x to be consider.
6	Technical specification: All type of 2MP Camera (Box, Dome, Exproof PTZ and Exproof FIX)	Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	Please Both primary and secondary stream must support 1080p @ 25 fps for viewing and recording. Third Stream my be MJPEG	No Change, Tender conditions prevails.
1	Pg. No. 161 of 321 Clause no. 2.3	2.3 CCTV software shall have the capability to read the TT number using Automatic number-plate recognition (ANPR) technology that uses optical character recognition on images to read vehicle registration plate’s and share the TT number with TAC system.	Kindly share the quantity per location of license required for ANPR. As per past experience in IOCL terminals, we deployed 4K bullet camera with integrated 60 MTR IR illuminator to maintain an adequate lighting environment for optimum ANPR results. Hence you are requested to incorporate integrated IR with 60 Meters IR range in the specifications of 4K fixed bullet camera.	2 nos per locations.

2	Pg. No. 161 of 321 Clause no. 2.4	2.4 Integration of CCTV system shall be possible over TCP IP/ MODBUS/open protocol with existing Terminal Automation System (TAS). CCTV system integration with TAS system feasibility to be demonstrated by CCTV vendor thru any third party tool.	CCTV Integration with VMS to TAS. Required API & SDK shall be provided free of cost & TAS integration will be part of TAS Vendor. Kindly clarify	In current tender IOCL shall provide CCTV vendors certain alarms like Tank HiHi level, HCD activation alarm, ESD etc over TCP IP/ MODBUS/open protocol. Based on the alarm input, CCTV vendor are required to position some of the nearest PTZ camera to a preset points so that the source of alarms can be monitored. Pop-up screen to be generated in CCTV screen. Details of such alarms and preset of cameras shall be shared to respective bidder during execution stage. Bidder to seek the required details well in advance on placement of order.
3	Pg No. 210 of 321	15. Focal Length: 4.3 mm ~129.0 mm or better, Motorized Zoom lens	In PTZ camera, majority of the CCTV OEMs have 4.5~135mm lens with 30x optical zoom, so you are requested to amend this section with 4.3 to 4.5 mm - 129 to 135 mm for wider participation.	Focal length of 4.5-135mm lens or equivalent combination with minimum optical zoom of 30X are also acceptable
4	Pg No. 211 of 321	20. Tilting Range: -90° to 90° with auto flip	20. Generally Dome Type PTZ Camera has 0 to 180 degree as overall tilt range. In the specification asked, it also covers 180 degree tilt coverage. Hence you are requested to modify this section with tilting range from 0° to 180°.	Tilting range 0° to 180° is also acceptable
5	Pg No. 219 of 321	4. WDR: Min 120dB	4K cameras in majority of the CCTV OEMs have 80dB WDR range which is also effective for compensating outdoor lighting conditions. Thus, you are requested to modify this section with 80dB WDR for generic specifications and wider participation.	Acceptable
6	Pg No. 222 of 321 IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION)		We understand that 4K box camera is mentioned in specifications with lens and housing where as bullet cannot be considered against camera specifications as it is not a modular type subject to camera, lens and housing. Additionally the user cannot change the lens of different focal length to meet the coverage requirement of perimeter surveillance. Kindly confirm if our understanding is correct.	Bidder understanding is correct. Against the requirement of Box Cameras, bullet cameras are not acceptable.
7	Pg No. 222 of 321	4. WDR: Min 120 dB	4K cameras in majority of the CCTV OEMs have 80dB WDR range which is also effective for compensating outdoor lighting conditions. Thus, you are requested to modify this section with 80dB WDR for generic specifications and wider participation.	Acceptable
8	Pg No. 222 of 321	5. Lens: Varifocal Lens 3.5-8 mm/ 4.6-12mm/ 2.8-8.5 mm or better, Min 10X Digital Zoom and minimum 2.2X Optical Zoom	You are requested to change this section with 9-50mm/ 5-50mm/10.5-42 mm lens and minimum 4x optical zoom for box Camera as it will be as per project requirement for Perimeter surveillance	Bidder to consider Varifocal Lens with following specifications : 9-42mm / 9-50mm/5-50mm/10.5-42mm IR Corrected or better, Min 10X Digital Zoom and 4X Optical Zoom.

9	General point on protocols for all type of cameras	Supported Protocol: Compatible with TCP/IP, HTTP, UDP, S, SMTP, RTP, RTSP, SNMP, IGMP, HTTPS protocols	As per our observation,there Seems to be a Typing Error in the protocols, as there is no Protocol like S . Request you to please remove this protocol.	Yes, acceptable
10	Pg.249 of 321	Several simultaneous live picture connections of camera in network. It shall be capable of showing video pane layouts including 2x2, 3x3, 4x4, various Hot Spots (1+5, 1+7, 1+9, 1+12, 1+16) and custom layouts.	We would like to inform you that such option in video layouts is not available with majority of CCTV OEMs. Though the offered VMS software has wide range of layouts to show multiple cameras in single screen such as 2x2, 3x3, 4x4, 5x5, 6x6, 8x8 and various Hot Spots (1+5, 2+8, 1+12), so requesting you to kindly allow to same for wide participation.	No change, Tender specifications & conditions prevails.
11	Pg No. 251 of 321	19.The software solution shall include an email and SMS notifications feature that can inform users about system errors such as archiving failures or camera failures.	Software has email notification feature on PC or smart mobile phone in case failure of cameras or any system error in system. Thus you are requested to amend clause with email or SMS notifications.	No change, Tender specifications & conditions prevails.
12	Pg No. 254 of 321	XI. The video management system shall support to retrieve the playback information, i.e. from which iSCSI storages to retrieve the video, audio and meta-data, either from the Video Recording Manager or directly from the IP encoder or camera. Playback information directly from the IP encoder or camera is limited in time and should be used while the Recording Manager is not available to increase the reliability of the video management system.	We understand that this feature is asked to playback video data or playback information from the camera's local storage that can be later played back when the recording server and video management server are not available. It can be played back from iSCSI/SAN/NAS storage when a recording server is available. Kindly confirm if our understanding is correct.	Yes, Bidder understanding is correct.
13	SOR Pg No. 3 of 3	Supply of 4K 360 Degree Panoramic IP66 Outdoor Cameras along with power supply unit, with inbuilt/external surgeprotection unit and mounting accessories etc complete as per specifications and Tender Document.	There is no technical specification given in the tender for 360 degree panoramic camera. Please provide this to provide the best suitable model number. Or we are sharing the specifications of panoramic camera of past LPG Bottling Plant tenders which may be included in the corrigendum.	Technical specification is attached
14	Pg 248 of 321	The VMS shall auto-discover IP devices with their default IP addresses	Every OEM design solution differently and proposed VMS system shall discover all configured cameras by single click on secured network. Kindly accept the same.	No change, Tender specifications & conditions prevails.

15	Pg 248 of 321	The VMS shall provide a user-dependent bookmark Tree. The bookmark tree shall allow saving a time period or a single point in time for later investigation and export. Bookmarks shall be available both for live mode and for playback mode.	As per usability bookmark is needed when we are reviewing the playback and thus same is proposed, but in place of bookmark in live video, snapshot feature is available and hence proposed the same. Kindly accept.	No change, Tender specifications & conditions prevails.
16	Pg 249 of 321	Wide compression technology support The Software shall supports a variety of compression methods M-JPEG, H.263, MPEG-4 Part 2, Simple Profile and Advanced Simple Profile, H.265/H.264 /MPEG-4 AVC, and MxPEG.	We understand that, compression methods may vary based on OEM selection however the latest compression profiles are H.264/H.265, MJPEG technology which is already part of solution. Kindly accept.	No change. Tender specification & conditions prevails.
17	Pg 253 of 321	The VOCMRPS shall have the following facilities Retrieve data with 'alarm on' with key on live video screen Search of recorded images based on motion, congestions, counter flow, time, date, alarm etc. Shall support 32 Video streams concurrently on a work station Shall allow 3 levels of user and Alarm prioritization Shall allow 64 cameras to be replayed simultaneously from one NVR Auto-protecting of video recording on post and pre 'alarm' images. The hashing function and a bit key shall describe a digital signature of the video images and be watermarked into files of exported images. Shall have facilities for play, forward, rewind, pause along with fast forward and rewind for reviewing the recorded videos. Shall be capable of 4 X 4(max) viewing panes at 16 frames.	1. 64 cameras played back is possible in the offered product but workstation & server to be of higher grade than asked. 2. Every OEM design solution differently, our solution provides the ability to export recordings (or segments of recordings) into standard Windows Media format files. Every exported recording can be digitally signed and/or watermarked to validate the authenticity and integrity of the origin of the recording. Both approaches provide evidence that no tampering has occurred, and the exported recording is authentic. Kindly accept the same.	No change. Tender specification & conditions prevails.
18	Pg 253 of 321	The Recording Manager shall be able to restore a lost recording database from data on the Network attached storages/ VMS server.	Every OEM design solution differently and proposed solution restores the lost video from SD card into video storage server and storage is proposed as per BOQ. Kindly accept the same.	No change. Tender specification & conditions prevails.

19	Pg 254 of 321	The video management system shall support to retrieve the playback information, i.e. from which iSCSI storages to retrieve the video, audio and meta-data, either from the Video Recording Manager or directly from the IP encoder or camera. Playback information directly from the IP encoder or camera is limited in time and should be used while the Recording Manager is not available to increase the reliability of the video management system.	Every OEM design solution differently and proposed solution restores the lost video from SD card into video storage server and storage is proposed as per BOQ. Video from the camera can be played directly from web browser. Kindly accept the same.	No change. Tender specification & conditions prevails.
	NIL	NIL	NIL PRE BID QUERIES-ONLY MAIL SENT INFORMING THAT REPRESENTATIVE WILL BE ATTENDING THE PRE BID MEETING	NA
1	SOR	Shedule of Items for Individual locations not available need the same for working in detail	Request to share Shedule of Items for Individual locations	SOR for all location Attached.
2	195	1/1.7" or better type CCD/CMOS/MOS Sensor	Kindly accept 1/1.9" or Better as most of OEM has this sensor. Only some Chinese OEM has 1/1.7" sensor and other OEM has 1/1.9" Sensor	Image Sensor : 1/1.8" or better type CCD/CMOS/MOS Sensor is acceptable
3	198	1/1.7" or better type CCD/CMOS/MOS Sensor	Kindly accept 1/1.9" or Better as most of OEM has this sensor. Only some Chinese OEM has 1/1.7" sensor and other OEM has 1/1.9" Sensor	Image Sensor : 1/1.8" or better type CCD/CMOS/MOS Sensor is acceptable
4	198	General	Request you to change 9-50mm/ 5-50mm/8-32mm lens for box Camera as it will be as per project requirement for Perimeter surveillance	For Box Camera Varifocal Lens shall be 9-50mm/ 5-50mm/8-32mm/any other combination with minimum optical Zoom of 4x to be considered.
5	265 of 291	Kindly provide/ amend approved makes for below line items: 1) Pole: Bajaj/ philips/ Rajan tube/ Equivalent	Request you to amend approved makes for below line items: 1) Pole: Bajaj/ philips/ Rajan tube/ Equivalent	For equivalent OEM criteria, kindly refer clause no. 17.2 page 75 of special terms and conditions of the tender. The offered make must be better than or at least at par with at least one of the recommended OEM both in terms of specification as well as performance and service in India along with meeting other criteria as mentioned in the tender document.
6	254 of 291		Request you to allow to bid for Octagonal/ Tubular poles	Tender condition to be prevail.
7	GENERAL	Request for extension of submission date 24th September 2022	Extension is needed for preparation as holidays and time for preparation is short	Extended till 19.09.2022

1	208	7. Image setting: Brightness,Contrast,Saturation, Sharpness, Anti-flicker, Exposure,White Balance ,WDR ,BLC, Mirror, Flip,3D NR	7. Image Setting: Brightness,Contrast,Saturation,Sharpness, Anti- flicker/High Light Compensation(HLC), Exposure,White Balance ,WDR ,BLC, Mirror, Flip,3D NR As per our understanding that Anti-flicker is "High light compensation" to compensate the High light reflects on cameras lens. so request you to kindly amend as per suggested.	Bidders understandaig is correct. ie the offered camera to have either Antiflicker setting or High light Compensation setngs.
2	209	15. Focal Length : 4.3 mm ~129.0 mm or better, Motorized Zoom lens	Focal Length: 4.3 mm ~129.0 mm / 4.5mm~135mm or better, Motorized Zoom lens. Reputed OEMs are having 4.5-135mm lens which meets 30x optical zoom; Hence request you provide an optional Focal length for wider participation.	Focal length of 4.5-135mm lens or equivalent combination with minimum optical zoom of 30X are also acceptable.
3	209	20. Tilting Range : -90° to 90° with auto flip	20.Tilting Range: '-16° to 90° with auto flip Requesting you to accept the suggested change as per the industry standard for wider participation.	Tilting range 0° to 180° is also acceptable
4	210	40. Power Source : POE based (with or without POE injector)	Power Source : POE based (with or without POE injector) or PoE+ (IEEE 802.3at) Most of the PTZ cameras used to support PoE+ or Hi-PoE during complete load so request you to allow 802.3at/bt standard also.	No change, Tender Specification & conditions prevails.
5	211	9. Image setting : Brightness,Contrast,Saturation, Sharpness,Anti-flicker, Exposure,White Balance, WDR, BLC,Mirror,Flip,3D NR	9. Image Setting: Brightness,Contrast,Saturation,Sharpness, Anti- flicker/High Light Compensation(HLC), Exposure,White Balance ,WDR ,BLC, Mirror, Flip,3D NR As per our understanding that Anti-flicker is "High light compensation" to compensate the High light reflects on cameras lens. so request you to kindly amend as per suggested.	Bidders understandaig is correct. ie the offered camera to have either Antiflicker setting or High light Compensation settings.
6	212	23b. Streaming : Both primary and secondary stream must be at the resolution 1080p @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be M- JPEG	23.b. Streaming: Primary must be at the resolution 1080p @ 25 fps and secondary stream must be at the resolution 480p @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be M- JPEG Requesting you to accept primary stream at full resolution and other streams at lower resolution like 480p to prevent bandwidth throttling and save storage space.	No Change, Tender conditions prevails.
7	214	INTEGRAL HD IP FIXED OUTDOOR BOX CAMERA (2MP)	INTEGRAL HD IP FIXED OUTDOOR BOX CAMERA/ BULLET CAMERA (2MP) Requesting you to accept bullet camera instead of BOX cameras as they are commercially better & technically fulfilling all the requirements as listed.	Box camera with 2 MP resolution is not a line item in the tender and are not to be consider. Against the requirement of Box Cameras, bullet cameras are not acceptable.

8	215	26. Streaming : Both primary and secondary stream must be at the resolution 1080p @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be M-JPEG	26. Streaming: Primary must be at the resolution 1080p @ 25 fps and secondary stream must be at the resolution 720P @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be M-JPEG Requesting you to accept primary stream at full resolution and other streams at lower resolution like 720P to prevent bandwidth throttling and save storage space.	No Change, Tender conditions prevails.
9	217	1. Image Sensor: 1/1.7" or better type CCD/CMOS/MOS Sensor	1. Image Sensor: 1/2.8" or better type CCD/CMOS/MOS Sensor Requesting you to accept the suggested change as per the industry standard for wider participation.	Image Sensor : 1/1.8" or better type CCD/CMOS/MOS Sensor is acceptable.
10	217	9. Image setting :Brightness, Contrast, Saturation, Sharpness, Anti-flicker, Exposure, BLC, 3D NR	9. Image Setting: Brightness,Contrast,Saturation,Sharpness, Anti-flicker/High Light Compensation(HLC), Exposure, BLC, 3D NR As per our understanding that Anti-flicker is "High light compensation" to compensate the High light reflects on cameras lens. so request you to kindly amend as per suggested.	Bidders understandaing is correct. ie the offered camera to have either Antiflicker setting or High light Compensation settings.
11	218	23. Streaming : Primary Stream at resolution (3840x2160) @ 25/30fps Secondary Stream at resolution 1080P @ 25/30fps Third stream shall be MJPEG. However the VMS Software should have the Capability to Record at the resolution of 4K UHD (16:9) @ 15 fps as well as Live Streaming at the resolution of 4K UHD (16:9) @ 25 fps simultaneously.	23. Streaming: Primary Stream at resolution (3840x2160) @ 25/30fps Secondary Stream at resolution 720P @ 25/30fps Third stream shall be MJPEG. However the VMS Software should have the Capability to Record at the resolution of 4K UHD (16:9) @ 15 fps as well as Live Streaming at the resolution of 4K UHD (16:9) @ 25 fps simultaneously. Requesting you to accept primary stream at (3840x2160) resolution and other streams at lower resolution like 720p to prevent bandwidth throttling and save storage space.	No Change, Tender conditions prevails.
12	220	IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION)	IP FIXED BOX/BULLET CAMERAS (8MP – 4K RESOLUTION) Requesting you to accept bullet camera instead of BOX cameras as they are commercially better & technically fulfilling all the requirements as listed.	No change, Tender Specification & conditions prevails
13	220	1. Image Sensor: 1/1.7" or better type CCD/CMOS/MOS Sensor	1. Image Sensor: 1/2.8" or better type CCD/CMOS/MOS Sensor Requesting you to accept the suggested change as per the industry standard for wider participation.	Image Sensor : 1/1.8" or better type CCD/CMOS/MOS Sensor is acceptable.

14	220	5. Lens: Varifocal Lens 3.5-8 mm/ 4.6-12mm/ 2.8-8.5 mm or better, Min 10X Digital Zoom and minimum 2.2X Optical Zoom	For Box Camera: Lens: Varifocal Lens 3.5-8 mm/ 4.6-12mm/ 2.8-8.5 mm /11-50mm or better, Min 10X Digital Zoom and minimum 2.2X Optical Zoom Requesting you to provide option of more focal length or higher lens as per industry standards to allow wider participation	Bidder to consider Verifiocal Lens with following specifications : 9-42mm / 9-50mm/5-50mm/10.5-42mm IR Corrected or better, Min 10X Digital Zoom and 4X Optical Zoom
15	220	9. Image setting: Brightness, Contrast, Saturation, Sharpness, Anti-flicker, Exposure, BLC, 3D NR	9. Image Setting: Brightness,Contrast,Saturation,Sharpness, Anti-flicker/High Light Compensation(HLC), Exposure, BLC, 3D NR As per our understanding that Anti-flicker is "High light compensation" to compensate the High light reflects on cameras lens. so request you to kindly amend as per suggested.	Bidders understandaing is correct. ie the offered camera to have either Antiflicker setting or High light Compensation settings.
16	221	23. Streaming: Primary Stream at resolution (3840x2160) @ 25/30fps Secondary Stream at resolution 1080P @ 25/30fps Third stream shall be MJPEG. However the VMS Software should have the Capability to Record at the resolution of 4K UHD (16:9) @ 15 fps as well as Live Streaming at the resolution	For Box Camera: 23. Streaming: Primary Stream at resolution (3840x2160) @ 25/30fps Secondary Stream at resolution D1 @ 25/30fps Third stream shall be MJPEG. However the VMS Software should have the Capability to Record at the resolution of 4K UHD (16:9) @ 15 fps as well as Live Streaming at the resolution of 4K UHD (16:9) @ 25 fps simultaneously	No Change, Tender conditions prevails.
17	224	26. Streaming: Both primary and secondary stream must be at the resolution 1080p @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be M-JPEG	26. Streaming: Primary must be at the resolution 1080p @ 25 fps and secondary stream must be at the resolution D1 @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be M-JPEG Requesting you to accept primary stream at full resolution and other streams at lower resolution like D1 to prevent bandwidth throttling and save storage space.	No Change, Tender conditions prevails.
18	225	38. Certifications: Exd IIC T4 and IP66, by IEC Ex/ATEX and PESO(CCOE) or equivalent BIS	Exd IIC T6 IP68 (IECEX/ATEX) for operation in Zone 1 and PESO (CCOE), CE, FCC, UL, BIS	No change, Tender Specification & conditions prevails
19	245	1.Box: 19" rack mountable for indoor application and for outdoor application inside JB with suitable mounting arrangement.Complete powder coating and aluminum Housing	1.Box: 19" rack mountable for indoor application and for outdoor application inside JB with suitable mounting arrangement.Complete powder coating and Cold rolled carbon sheet steel with electrostatic spraying Requesting you to accept the suggested change as per the industry standard for wider participation.	No change, Tender Specification & conditions prevails

20	245	3. Cable Spools: Two halves spool design	3. Cable Spools: Two halves spool design/Ring type design Requesting you to accept the suggested change as per the industry standard for wider participation.	No change, Tender Specification & conditions prevails
21	269	3. Construction: Multi-Fiber loose tube jelly filled	3. Construction: Uni-Fiber loose tube jelly filled Requesting you to amend the suggested change as 6 core ofc is asked in BOQ, unitube construction is sufficient for the same	No change, Tender Specification & conditions prevails
22	273	2. Conductor: 4 unshielded twisted pair , 23 AWG Annealed bare stranded copper	2. Conductor: 4 Shielded twisted pair , 23 AWG Annealed bare Solid copper Requesting you to accept the suggested change as per the industry standard for wider participation.	No change, Tender Specification & conditions prevails
23	273	8. Outer Sheath: Extruded FRLS PVC Type ST-2 as per IS:5831	8. Outer Sheath: LDPE as per IS:5831 Requesting you to accept the suggested change as per the industry standard for wider participation.	No change, Tender Specification & conditions prevails
24		Regulatory : CE/FCC/UL or equivalent BIS	Regulatory : CE/FCC, UL 62368-1 and BIS (IS 31252 Part 1:2010/IEC 60950-1:2005) Reuest you to ask UL new standard 62368-1 as IEC already withdrawn 60950-1 in Dec 2020. Also BIS id equivalent to 60950-1 so request you to ask UL (with new standard) and BIS separately.	No change, Tender Specification & conditions prevails
1	IP FIXED BULLET CAMERAS (8MP – 4K RESOLUTION) WITH MOTORISED ZOOM	Page No: 217 1. Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	<u>Requesting you to accept:</u> Image Sensor: 1/1.8” or better type CCD/CMOS/MOS Sensor <u>Justification:</u> 1/1.7" image Sensor is specific to very few OEMs, So we are requesting you to accept 1/1.8" image sensor which is generic and available with most of the OEMs.	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable
2	IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION)	Page No: 220 1. Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	<u>Requesting you to accept:</u> Image Sensor: 1/1.8” or better type CCD/CMOS/MOS Sensor <u>Justification:</u> 1/1.7" image Sensor is specific to very few OEMs, So we are requesting you to accept 1/1.8" image sensor which is generic and available with most of the OEMs.	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable

3	INTEGRAL EXPLOSION PROOF HD IP FIXED CAMERAS (2MP) WITH MOTORIZED ZOOM	<p>Page No: 223</p> <p>6. Lens MFZ Lens: 3-9 mm/ 4.6-12 mm/4.3-129mm/ 6.36-138 (Motorized Focus & zoom) or better, Min 10X Digital Zoom & 20X Optical Zoom</p>	<p><u>Requesting you to accept:</u> Lens MFZ Lens: 3-9 mm/ 4.6-12 mm/4.3-129mm/ 6.36-138 (Motorized Focus & zoom) or better, Min 10X Digital Zoom & 20X 3X Optical Zoom</p> <p><u>Justification:</u> 4.3-129mm/ 6.36-138mm asking lens are basically come in PTZ Camera instead of Fixed camera. So, we are requesting you to remove these lens options as not come in Fixed camera</p>	For Box Camera Varifocal Lens shall be 9-50mm/ 5-50mm/8-32mm/any other combination with minimum optaical Zoom of 4x to be consider.
4	INTEGRAL EXPLOSION PROOF HD IP FIXED CAMERAS (2MP) WITH MOTORIZED ZOOM	<p>Page No: 225</p> <p>38. Certifications Exd IIC T4 and IP66, by IEC Ex/ATEX and PESO(CCOE) or equivalent BIS</p>	We are Class I Local Supplier of Explosion proof camera and being an Local supplier we have ATEX Certificate and also already applied for PESO certificate. so we are requesting you to accept our Explosion proof camera with ATEX Certificate and PESO application and we will provide the PESO Certificate at the time of delivery	No Change, Tender conditions prevails.
5	RECOMMENDED VENDOR/ OEM LIST	<p>Page No: 295</p> <p><u>12 CAMERA SURVEILLANCE SYSTEM:</u></p> <p><u>A. WEATHER PROOF AND FLAMEPROOF CAMERAS, ENCODER:</u> PELCO AMERICAN DYNAMICS PANASONIC HONEYWELL BOSCH INFINOVA SONY AXIS INDIGO VISION</p>	<p>Asking recommneded OEM make of CCTV Cameras is restrictive clause for domestic manufacurer/Class I Supplier and it is violation of Department of Industrial Policy and Promotion (DIPP) Order No. P-45021/2/2017-PP(BE-II) dated 16th September,2020 or latest or MoPNG policy ref. FP-20013/2/2017-FP-PNG dated 17.11.2020. In the tender you have given the preference to Local Supplier and at the same time you have mentioned the foreign OEM make in the Tender. So, We are requesting you to incorporate SPARSH brand in the recommneded OEM to give equal opportunity to Indian OEM to participate in the tender.</p>	For equivalent OEM criteria, kindly refer clause no. 17.2 page 75 of special terms and conditions of the tender. The ofered make must be better than or atleast at par with atleast one of the recommended OEM both in terms of specification as well as performance and service in India along with meeting other criteria as mentioned in the tender document.
1	PQC. Page no. 7-8 Definition of Similar work. (Sec. a)	The Similar work experience written as: "Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city	<p><u>Requesting to include the work experience as:</u> "Supply, Installation and Commissioning of CCTV System/ IP Camera work / Traffic violation Detection System (TVDS) with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports."</p>	Tender condition to be prevail.
2	IP FIXED BULLET CAMERAS (8MP – 4K RESOLUTION) WITH MOTORISED ZOOM	<p>Page No: 217</p> <p>1. Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor</p>	<p><u>Requesting you to accept:</u> Image Sensor: 1/1.8” or better type CCD/CMOS/MOS Sensor</p> <p><u>Justification:</u> 1/1.7" image Sensor is specific to very few OEMs, So we are requesting you to accept 1/1.8" image sensor which is generic and available with most of the OEMs.</p>	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable

3	IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION)	Page No: 220 1. Image Sensor: 1/1.7” or better type CCD/CMOS/MOS Sensor	<p><u>Requesting you to accept:</u> Image Sensor: 1/1.8” or better type CCD/CMOS/MOS Sensor</p> <p><u>Justification:</u> 1/1.7" image Sensor is specific to very few OEMs, So we are requesting you to accept 1/1.8" image sensor which is generic and available with most of the OEMs.</p>	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable
4	INTEGRAL EXPLOSION PROOF HD IP FIXED CAMERAS (2MP) WITH MOTORIZED ZOOM	Page No: 223 6. Lens MFZ Lens: 3-9 mm/ 4.6-12 mm/4.3-129mm/ 6.36-138 (Motorized Focus & zoom) or better, Min 10X Digital Zoom & 20X Optical Zoom	<p><u>Requesting you to accept:</u> Lens MFZ Lens: 3-9 mm/ 4.6-12 mm/4.3-129mm/ 6.36-138 (Motorized Focus & zoom) or better, Min 10X Digital Zoom & 20X 3X Optical Zoom</p> <p><u>Justification:</u> 4.3-129mm/ 6.36-138mm asking lens are basically come in PTZ Camera instead of Fixed camera. So, we are requesting you to remove these lens options as not come in Fixed camera</p>	For Box Camera Varifocal Lens shall be 9-50mm/ 5-50mm/8-32mm/any other combination with minimum optaical Zoom of 4x to be consider.
5	INTEGRAL EXPLOSION PROOF HD IP FIXED CAMERAS (2MP) WITH MOTORIZED ZOOM	Page No: 225 38. Certifications Exd IIC T4 and IP66, by IEC Ex/ATEX and PESO(CCOE) or equivalent BIS	We are Class I Local Supplier of Explosion proof camera and being an Local supplier we have ATEX Certificate and also already applied for PESO certificate. so we are requesting you to accept our Explosion proof camera with ATEX Certificate and PESO application and we will provide the PESO Certificate at the time of delivery	No Change, Tender conditions prevails.
6	RECOMMENDED VENDOR/ OEM LIST	Page No: 295 <p><u>12 CAMERA SURVEILLANCE SYSTEM:</u></p> <p><u>A. WEATHER PROOF AND FLAMEPROOF CAMERAS, ENCODER:</u> PELCO AMERICAN DYNAMICS PANASONIC HONEYWELL BOSCH INFINOVA SONY AXIS INDIGO VISION</p>	Asking recommneded OEM make of CCTV Cameras is restrictive clause for domestic manufacurer/Class I Supplier and it is violation of Department of Industrial Policy and Promotion (DIPP) Order No. P-45021/2/2017-PP(BE-II) dated 16th September,2020 or latest or MoPNG policy ref. FP-20013/2/2017-FP-PNG dated 17.11.2020. In the tender you have given the preference to Local Supplier and at the same time you have mentioned the foreign OEM make in the Tender. So, We are requesting you to incorporate SPARSH brand in the recommneded OEM to give equal opportunity to Indian OEM to participate in the tender.	For equivalent OEM criteria, kindly refer clause no. 17.2 page 75 of special terms and conditions of the tender. The ofered make must be better than or atleast at par with atleast one of the recommended OEM both in terms of specification as well as performance and service in India along with meeting other criteria as mentioned in the tender document.

1		4th year of CAMC(During 1st Quarter) Computer hardware including servers, work stations , storage , switches installed in control room & any other equipment as needed depending upon performance of the machines and the system. The old equipment shall be vendor`s property.	Request you to provide the exact BOM for replacement as this is huge cost	Qunatity mentioned in BoQ of respective location related to compute hardware including servers, work stations , storage , switches installed in control room & any other equipment as needed depending upon performance of the machines and the system.
2		Any other hardware/ spares which are required to be replaced for smooth operations during CAMC period needs to be done at no additional cost to IOCL.	This is quite generic statement. Decision on replacement may differ for successful Bidder & IOCL. Request you to provide the exact BOM for replacement as this is huge cost	It is vendor responsibility to operate system smoothly during CAMC. Any hardware/ spares which are required to be replaced for smooth operations during CAMC period needs to be done at no additional cost to IOCL.
3		Vendor must enter into back to back agreement with OEMs to cover entire period of CAMC to get required service support for preventive and breakdown maintenance	Camera/IT Infra/Networking OEMs doesn't provide back to back warranties for such long period of 7 years. CAMC is the responsibility of SI. Request you not to mandate back to back agreements	Tender condition to be prevail.
4	Recommended Makelist	Analytics Software Make	Makes mentioned in the Tender are primarily for Video Management Software & not for specialized Video Analytics. Request you to approve VA Vendors like Allgovision/Awiros/Graymatics/Chakrasecure/Skylark etc	No Change, Tender conditions prevails.
5	SOR	Supply of Advanced Analytics Software for all fixed cameras (including varifocal, MFZ fixed cameras), Auto tracking video analytics for all PTZ camera along with compatible Redundant Analytics Server with OS,	Kindly Clarify if Redundant Server is required for Analytics as well. If yes, kindly provide the type of redundancy required, N:1 or N:N?	Minimum redundancy of servers required is N+1.
1	TECHINCAL SPECIFICATION Doc Name:- CCTVPT52GSOTENDE RODOC	IP FIXED BULLET CAMERAS (8MP – 4K RESOLUTION) WITH MOTORISED ZOOM PARAMETER :-Image Sensor MINIMUM REQUIREMENT : 1/1.7” or better type CCD/CMOS/MOS Sensor	Request you to accept 1/1.9" or Better as most of OEM has this sensor. KASO Corrigendum has already accepted the same.	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable
2	TECHINCAL SPECIFICATION Doc Name:- CCTVPT52GSOTENDE RODOC Page no:-222	IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION) PARAMETER :-Image Sensor MINIMUM REQUIREMENT:-1/1.7” or better type CCD/CMOS/MOS Sensor	Request you to accept 1/1.9" or Better as most of OEM has this sensor. KASO Corrigendum has already accepted the same.	Image Sensor : 1/1.8” or better type CCD/CMOS/MOS Sensor is acceptable

3	TECHINICAL SPECIFICATION Doc Name:- CCTVPT52GSOTENDE RODOC Page no:-222	IP FIXED BOX CAMERAS (8MP – 4K RESOLUTION) PARAMETER:- Lens MINIMUM REQUIREMENT: Varifocal Lens 3.5-8 mm/ 4.6-12mm/ 2.8-8.5 mm or better, Min 10X Digital Zoom and minimum 2.2X Optical Zoom	Request you to change 9-50mm/ 5-50mm/8-32mm lens for box Camera as it will be as per project requirement for Perimeter surveillance. KASO Corrigendum has already accepted the same.	For Box Camera Varifocal Lens shall be 9-50mm/ 5-50mm/8-32mm/any other combination with minimum optical Zoom of 4x to be considered.
4	TECHINICAL SPECIFICATION Doc Name:- CCTVPT52GSOTENDE RODOC	All type of 2MP Camera (Box, Dome, Exproof PTZ and Exproof FIX) PARAMETER: Streaming MINIMUM REQUIREMENT: Both primary and secondary stream must be at the resolution 1080p @ 25 fps for viewing and @ 15 fps for recording simultaneously. Third stream shall be MJPEG	Please Both primary and secondary stream must support 1080p @ 25 fps for viewing and recording. Third Stream may be MJPEG	No Change, Tender conditions prevail.
5	COMPLETION PERIOD Doc Name:- CCTVPT52GSOTENDE RODOC Page no:-222	Location wise as per table below from the thirtieth (30th) day from date of SAP PO or 15 days from the date of e-mailing the PO or 15 days from the date of dispatch of the PO by Courier/Registered post whichever is later (excluding CAMC period) Completion period :-4 month	We request you please revise it with 8 Month per site as due to current scenario of semiconductor issues, materials are not getting on time.	Tender condition to be prevail.
6	Doc Name:- CCTVPT52GSOTENDE RODOC Clause no 2.0:- (2.2 clause no CCTV SURVEILLANCE SYSTEM Page no:-161	The CCTV system shall be interfaced with TAS for critical inputs from TAS like ESD, product Tank HiHi and HiHiHi alarms etc. On receipt of such alarms from TAS, CCTV system shall position the respective PTZ cameras to pre-defined positions.	Kindly clarify hardware requirement for the integration with TAS. We request you to kindly consider hardware required for the integration in the scope of IOCL as all sites have different automation system.	Tender condition to be prevail.
7	Doc Name:- CCTVPT52GSOTENDE RODOC Clause no -6.0 :- FAT SETUP & TEST GUIDELINES: Page no:-165	Sl no:-10 Hardware/ Equipment's Description :- Server Redundancy	Kindly clarify which level of redundancy required for server i.e N+1 or N+N	Minimum redundancy of servers required is N+1.

8	Doc name: Annexure-SOR-1 Page no:-2	Line of Item of SOR Sr. No. 16 Supply & laying of 50 mm HDPE pipe of minimum 2.5 mm thick along with accessories as per tender specifications and instructions of Engineer in charge.	Technical Specification of HDPE Pipe wall thickness mentioned as Min. 2.90 to Max. 3.10 Kindly confirm exact wall thickness requirement	Minimum wall thickness required for HDPE pipe is 2.5mm.
9	Doc Name:- BOQ_1654	TOTAL AMOUNT with Taxes (Net delivered cost) in Rs. P	Please clarified this points as this should be including GST. As the value is without GST.	Net Delivered cost= basic amount+ GST - ITC applicable.
10	Doc Name:- CCTVPT52GSOTENDE RODOC Page No-23	SELECTION OF SUCCESSFUL TENDERER & BID EVALUATION CRITERIA: ; Net Delivered price = Basic Amount + (GST) minus Input tax credit as available to IOCL. (Full/Part/ Nil). Location wise ITC % is given below	Plase confirm below calculation is only for evaluation or it will be applicable and if it is applicable in that case, IOCL has mention 31 % for Vadodara White Oil Terminal and Sidhpur Terminal and 0% for Surat AFS so please confirm that we will get full payment of GST or deducted amount of GST and IOCL will give any letter which helps contractor for reimburstment of GST which is deducted.	You will get full amount of GST in bills.
11	Doc Name:- CCTVPT52GSOTENDE RODOC Page No : 299	RECOMMENDED VENDOR LIST : INDUSTRIAL GRADE LAYER 3 GIGABIT ETHERNET SWITCH and LAYER 2 ETHERNET SWITCH	As per requirement of IOCL, there should be industrial switch of L2 and Layer 3 switch for indoor location so please revise the same as HP and Dell is not manufacturing industrial grade L3 switch. It seems there is typo error.	Accepted.
12	Doc name: Annexure-SOR-1 Page no:-1	Sr No 6 : Supply, installation, configuration, integration, testing and commissioning of outdoor Explosion proof cum weatherproof housing (IP 65 or better) suitable for installing Layer 2 switch, PSU, LIU and adaptor for Ethernet switch/media convertor, surge protectors and other accessories of CCTV cameras. It also includes required OFC components & accessories like LIU, splice trays, PSU, loaded adaptor, blank plates, UTP cables, Fibre patch cords, pigtails, tags, ties, Ethernet cable with RJ45 connector etc complete in all respect for functioning of CCTV camera. The scope also includes Exd. blinding plugs, Exd. double compression cable glands etc as per specifications and Tender Document.	There will be no Make of LIU and accessories mentions so can we give any make. Please confirm.	LIU as per technical specification of Tender to be provided.

13	<p>Doc name:Annexure-SOR-1</p> <p>Page no:-2</p>	<p>Sr No 6 : Supply, installation, configuration, integration, testing and commissioning of outdoor Explosion proof cum weatherproof housing (IP 65 or better) suitable for installing Layer 2 switch, PSU, LIU and adaptor for Ethernet switch/media convertor, surge protectors and other accessories of CCTV cameras. It also includes required OFC components & accessories like LIU, splice trays,PSU, loaded adaptor, blank plates, UTP cables, Fibre patch cords,pigtails, tags, ties, Ethernet cable with RJ45 connector etc complete in all respect for functioning of CCTV camera.The scope also includes Exd. blinding plugs, Exd. double compression cable glands etc as per specifications and Tender Document.</p>	<p>Please confirm , Need to supply of weather proof JB or Explosion Proof JB as majority of locations, the requirement is for weather proof camera for such location giving explosion proof camera will add on extra cost so we request IOCL and review the same. and revise based on requirement.</p>	<p>The vendor should visit the site for actual requirement of JB's. Same had to be submit for approval of IOCL before procurement of material.</p>
14	<p>Doc No:- CCTVPT52GSOTENDE RODOC</p> <p>Page No : 300,</p>	<p>RECOMMENDED VENDOR LIST : CCTV POLE</p>	<p>The make mention in Vendor List for Poles are not manufacture as per IOCL Requirement as they only manufacture lighting pole so we request you allow local Manufacturer who can manufacture based on IOCL drawing and meeting specification.</p>	<p>For equivalent OEM criteria, kindly refer clause no. 17.2 page 75 of special terms and conditions of the tender. The ofered make must be better than or atleast at par with atleast one of the recommended OEM both in terms of specification as well as performance and service in India along with meeting other criteria as mentioned in the tender document.</p>

15	<p>Doc name:Annexure-SOR-1</p> <p>Page no:-2 & 3</p>	<p>Sr No 36 : Supply, installation & commissioning of Wall mounted/wheel mounted Network Rack-minimum 10U 19" Rack for mounting of Terminal Server/Ethernet switches/LIU/ OFC components along with accessories like power sockets, MCBs, fan, mounting accessories etc complete in all respective at Security Room, TM room, Invoice Room for TAS equipments</p> <p>Sr No 28 : Supply, installation & commissioning of 42 U Rack Enclosure cabinet/System cabinet with 19" rack size, along with accessories like keypad cum contactless smart card reader for front & back door seperately with accessories, limit switches, earthing arrangements, breaker, fuses, terminal blocks and wiring etc complete as per specification and tender document for mounting of below mentioned equipments.</p>	<p>The Make of Rack is not available so can we give any make please confirm.</p>	<p>Rack should be meeting Technical specification and clauses.</p>
16	<p>Doc name:Annexure-SOR-1</p> <p>Page no:-2</p>	<p>Sr No 26: Supply, Installation, integration, configuration, testing and commissioning of Intelligent video operation, control, management, recording & processing software (VMS) complete as per specifications and Tender Document with minimum 125 cameras recording, 125 cameras viewing license, 5 LISC licence for remote viewing or as per actual nos. of cameras installed + 20% extra which ever is higher.</p>	<p>We request you consider actual no of camera + 20% extra as it will add on cost if need to give 125 Camera license as generally every location there is 50 to 60 camera so licence will not go beyond 80 camera. So please review the same and revise.</p>	<p>actual no of camera + 20% extra is Accepted.</p>

17	<p>Doc name:Annexure-SOR-1</p> <p>Page no:-1 & 2</p>	<p>Sr No: 5 : Supply, installation, configuration, integration, testing and commissioning of 4 port Industrial grade layer 2 Managed POE based Ethernet Switch for connecting Cameras with 4 Nos. RJ copper port and 2 Nos. optical fibreports with inbuilt/external surge protector (Type 1+2) at the input power supply as per specifications and Tender Document.</p> <p>Sr No : 25 : Supply, Installation, integration, configuration, testing and commissioning of Redundant Layer 3 Managed Gigabit Ethernet Switch with minimum 24 ports or as per site requirement + 20 % spare whichever is higher along with SFP, copper, fibre modules, accessories complete as per specifications and Tender Document.</p> <p>Sr No 29: Supply, Installation, configuration, integration, testing and commissioning of Layer 2 Managed Ethernet Switches along with accessories for connecting CCTV as per system architecture and design requirement</p>	<p>Please confirm , we need to supply SFP Module as per requirement or Need to supply with Loaded all ports.</p>	<p>SFP Module are to be provided for all ports.</p>
18	<p>Doc Name:- CCTVPT52GSOTENDE RODOC Point 17.4.3 page no- 76</p>	<p>Supply of all the cables must be IS standard / BS standard / EN standard complied as per specification and wherever only a single standard (like IS) is followed, IS code/ISI should be marked/embossed on outer sheath of the cables. One set of each type of cable sample must be drawn by the vendor during pre dispatch stage and get it tested from Govt. approved independent Laboratory/NABL accredited lab for ensuring compliance to the specifications and the same test report should be a part of the dispatch clearance from the vendor's side (other than OEM's own factory/QA test reports) subject to Cables test reports (in house as</p>	<p>In place of multiple Cable SAMPLE inspection, we suggest Factory inspection of Major cables like power and ofc in prsence of IOCL/IOCL Appointed TPI Agency.</p>	<p>No Change, Tender conditions prevails.</p>

19	<p>Doc Name:- CCTVPT52GSOTENDE RODOC Point C page -78</p>	<p>4th year of CAMC(During 1st Quarter) : Mandatory Hardware need to replace: Computer hardware including servers, work stations , storage , switches installed in control room & any other equipment as needed depending upon performance of the machines and the system. The old equipment shall be vendor`s property.</p>	<p>4th year of CAMC(During 1st Quarter) : Mandatory Hardware need to replace with new one. also clarify about what performance you needed for replacing of other machines and the system. or you delete the performance clause & replace it with suitable solution to be provided. otherwise it will increase tender cost .</p>	<p>It is vendor responsibility to operate system smoothly during CAMC. Any hardware/ spares which are required to be replaced for smooth operations during CAMC period needs to be done at no additional cost to IOCL.</p>
20	<p>Doc Name:- CCTVPT52GSOTENDE RODOC Point 19.1 page no 80</p>	<p>19.1 In case of a brown field job, existing cameras/ equipments are of two categories.1st Category is which do not meet the specifications & hence are to be necessarily replaced and these numbers are already included in the Tender SOR. The old equipments that are being replaced need to be necessarily bought back by the vendor at Book Value plus GST, as given in the Tender. Invoice will be raised by IOCL for all such equipments at book value as mentioned below and GST will be charged extra as applicable at the time of invoice generation. Bidder has to account for the same & quote accordingly. 19.1 In case of a brown field job, existing cameras/ equipments are of two categories.1st Category is which do not meet the specifications & hence are to be necessarily replaced and these numbers are already included in the Tender SOR. The old equipments that are being replaced need to be necessarily bought back by the vendor at Book</p>	<p>Need to clear this point about book value</p>	<p>Book value as attached with Tender document for each location.</p>

21		i. It is the basic responsibility of the prospective bidders to carry out thorough survey of the existing equipment's in case of a brown field project before bidding and seek clarification during Pre bid to understand which are the equipment's IOCL will get rectified within IOCL scope and what all the successful bidder is supposed to take over on as is where is basis and rectify on their account.	Kindly share the list of Brown field job equipment details with make and model for comparison with asked specification	Vendor is advised to make the site visit for same.
22	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 41.1 page No 91	The Contractor shall take care for cleaning the working site from time to time for easy access to work site and also from safety point of view.	Please clear	Contractor have to cleaning the working site like clearing scrap of cables/tray/supports/ excavated material during execution of works for easy access to work site and also from safety point of view.
23	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 1.e page No 159	IOCL SCOPE OF WORK Air-conditioning system for Control room equipments with proper lighting arrangement.	We assume , IOCL will provide the Air conditioning System with proper lighting, PLEASE CLEAR	Correct.
24	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 3.2 page No 162	New redundant UPS of suitable capacity for powering the entire CCTV System and its equipments to be provided only if the existing UPS already installed at the location is not able to cater the upcoming IP Based CCTV Surveillance System. Detailed engineering on already installed UPS should have been carried out for integration of upcoming IP Based CCTV Surveillance System prior to floating of tender.	Can we use required cable from the SOR Item or we should considered it extra? Please clear	SOR Items are to be considered.
25	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 5.2 page No 164	FACTORY ACCEPTANCE TEST: - All equipments and sub-systems shall undergo minimum of 72 hours burn in period prior to start of the test.	Please clear what exactly we need to do in this test? PLEASE CLEAR	Material has to ON for 72 hours before FAT.

26	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 2 page No 277	LED LIGHT FITTINGS : 2.0 Illumination of minimum 7.0 Lux must be maintained on either side of the perimeter up to a distance of 20m all along; the pole design for mounting of CCTV camera shall also be used for mounting of LED lights of appropriate wattage capacity to ascertain the desired lux level throughout along the perimeter. The LED lights to be provided at 8m height at the end of cantilever.	As per our experience , 20m either side of wall is practically not possible to maintain illumination & as per the camera its hardly required 3 to 4 mtr for viewing outside wall, KINDLY CLEAR or share data if you have done demo for 20M Either side Illumination.	LED lights have to be provided for achieving desire LUX level.
27	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 2 page No 239	Monitor Size mention in BOQ and Technical Specification are mismatch.	BOQ suggest to supply 27 inch display for workstation and Technical Specification suggest to supply 23 inch display. Kindly confirm the display size.	Display size as per BOQ.
28	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 2 page No 265	Videowall Technical Specification: All features and functionality should be certified by the OEM. The Display Modules, Display Controller & Software should be from a single OEM.	Display OEM does not have same make of display module, controller and software. So we request you to remove this clause.	No Change, Tender conditions prevails.
29	Doc Name:- CCTVPT52GSOTENDE RODOC Point No 2 page No 266	Digilink Brand is not existing in operation so we request you to kindly allow D-link/Digilink brand.		No Change, Tender conditions prevails.
30	RECOMMENDED VENDOR LIST Doc Name:- CCTVPT52GSOTENDE RODOC Page no:- 298	Recommended Vendor/OEM list Provided by IOCL.	Kindly Confirm bidder has to propose make/model from recommended list only or can provide make/model other than recommended list.	For equivalent OEM criteria, kindly refer clause no. 17.2 page 75 of special terms and conditions of the tender. The offered make must be better than or atleast at par with atleast one of the recommended OEM both in terms of specification as well as performance and service in India along with meeting other criteria as mentioned in the tender document.

1	Section 15 PRE-QUALIFICATION CRITERIA (PQC) A EXPERIENCE: DEFINITIONS OF SIMILAR WORKS (a) Page No. 12	Experience in successful completion of: (a) Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports.	<p>Similar work experience in a Government organization/Ministries/Departments may be included</p> <p>The clause may be relaxed as :</p> <p>Experience in successful completion of: (a) Supply, Installation and Commissioning of CCTV System with allied works in any Petroleum Installation (including LPG/ Bitumen/Aviation)/ Petrochemical/ Chemical/ Fertilizer/ Steel/ Power Plant/ Defence/Police/SMART city projects/Airports/Government organization/Ministries/Departments</p>	No Change, Tender conditions prevails.
2	Section 15 PRE-QUALIFICATION CRITERIA (PQC) A EXPERIENCE: DEFINITIONS OF SIMILAR WORKS (a) Page No. 11	<p>The vendor should have the experience of having successfully completed similar woks (defined below) during the last five years upto the last day of the month previous to the one in which tenders are being invited 31.07.2022 as per following: Three similar completed works each costing not less than the amount equal to Rs 490.90 Lacs. or Two similar completed works each costing not less than the amount equal to Rs 654.54 Lacs. or One similar completed works costing not less than the amount equal to Rs 818.17 Lacs.</p>	<p>Similar work experience of last Seven years and of ongoing projects with project value as below may be considered: The vendor should have the experience of having successfully completed/ongoing similar woks (defined below) during the last Seven years upto the last day of the month previous to the one in which tenders are being invited 31.07.2022 as per following: Three similar completed/Ongoing works each costing not less than the amount equal to Rs 490.90 Lacs. or Two similar completed/Ongoing works each costing not less than the amount equal to Rs 654.54 Lacs. or One similar completed/Ongoing works costing not less than the amount equal to Rs 600.00 Lacs.</p>	No Change, Tender specification and conditions prevails.

SPECIFICATION OF IP 4K 360 DEGREE PANAROMIC OUTDOOR CAMERAS

SL NO.	PARAMETER	MINIMUM REQUIREMENT
1	Image Sensor	1/2.8" or better type CCD/CMOS/MOS Sensor
2	Image Resolution	4K Megapixel resolution or better (8MP or better)
3	Scanning System	Progressive scan
4	WDR	Min 60 dB
5	Lens	1.6 mm or better
6	Day & Night	ON/OFF/ AUTOMATIC
7	Min. Illumination	Day –1.4 lux
		Night-0.3 lux
8	White Balance	Automatic/ Manual
9	AGC	ON/OFF
10	Image setting	Brightness, Contrast, Saturation, Sharpness, Anti-flicker/HLC, BLC
11	Signal-to-Noise Ratio	More than 50dB
12	Motion Detection	4 zone video motion detection
13	Television System	PAL
14	Frame Rate	25 FPS at 4K or better
15	ONVIF S profile compliance	Required
16	Bit Rate	64 kbps to 10 Mbps or better continuously adjustment CBR/VBR
17	On-board storage	Min 64 GB SDXC/SDHC/SD Memory recording
18	Alarm Terminals	Minimum 1 input, 1 output
19	Alarm Events	Alarm image transmission, FTP Periodic transmission
20	Video Compression	H.265/H.264 and M-JPEG or better
21	Video profile	Min 2 Streams of H.265/H.
22	Streaming	<p>Simultaneously multi-profile streaming; Controllable frame rate and bandwidth; Constant and variable bit rate</p> <p>Primary Stream at resolution (3840x2160) @ 25/30fps Secondary Stream at resolution 1080P @ 25/30fps</p> <p>However the VMS Software should have the Capability to Record at the resolution of 4K UHD (16:9) @ 15 fps as well as Live Streaming at the resolution of 4K UHD (16:9) @ 25 fps simultaneously.</p>

SL NO.	PARAMETER	MINIMUM REQUIREMENT
23	Ethernet	10Base-T / 100Base-TX, RJ45 connector
24	Support Protocols	Compatible with TCP/IP, HTTP, UDP, S, SMTP, RTP, RTSP, SNMP, IGMP,NTP,HTTPS protocols
25	Users	Min 10 users
26	Weather protection	IP 66 or better
27	View Material	Vandalproof (IK-10)
28	Ambient Operating Temperature	-5 Deg C to 55 Deg C
29	Operating Humidity	Up to 90% RH
30	Power supply	PoE based
31	Power Consumption	PoE
32	Surge/Lightening Protection	Required (Internal/External) Industrial Grade as per Note
33	Regulatory	CE,FCC,UL
34	Security	Password protected Authentication, IP address Filtering & User access log
35	Mounting	Shall be on pole with stand/wall mounted/ ceiling mounted with suitable brackets.

Tentative locations TT Parking Area / Perimeter Area

VIDEO ENCODER / DECODER (Applicable if the Analog camera shall be required to beintegrated)

S.NO	MINIMUM REQUIREMENTS
1	MPEG 4 and H.264 Advanced Simple Profile Video encoder/decoder capable of dual encoding (Two simultaneous streams in different codecs) of real time image at maximumresolution. The encoder/decoder shall support recording and monitoring at 4 CIF @ 25 fps.
2	The video encoder/decoder shall run on Linux/Unix/Windows Operating system.
3	Encoder/Decoder shall have a built in firewall. It shall support IP filtering
4	The video encoder/decoder shall incorporate a separate host processor and video processor to provide best quality video even at maximum processor loads.

LAYER 2 MANAGED ETHERNET SWITCH (For IOCL LAN)

Sr. No.	PARAMETERS	MINIMUM REQUIREMENTS
1	Type	Managed Commercial grade layer 2 Ethernet switch
2	Operation	Store & Forward, wire Speed switching, non-blocking, line-rate forwarding performance
3	Modes	Full or half duplex operation with flow control supported on all ports
4	MAC address Table size	Should support MAC address table with upto 16K size
5	Memory bandwidth (SwitchFabric)	7.4 Gbps
6	RJ45 ports	
a	Ports	Non Stackable switch with 8/16/24 nos. 10/100/1000 Mbps BASE-TX Ethernet, fully IEEE 802.3 compliant ports per switch.
b	Speed & direction	Configurable or 10/100/1000 auto detecting for speed and duplex. (full or half)
c	Polarity	Auto-polarity for crossed TxD & Rx D pairs
7	Uplink ports	2 nos. 1000 Mbps Fiber and Ethernet uplinks (dual purpose port). Fibre SFP to be provided along with module.
8	Performance and scalability	Solution should support Quality of Service (QoS) - upto eight egress queues per port, priority queuing, Priority level, Flow Based Policy, Vlan Based, Rate Limiting, Flow Control, Ipv4 QoS, IPV6 QoS, Traffic prioritization etc
		Switch should operate in non-blocking mode for full capacity.
		Congestion – Avoidance Feature.
9	Features	L2 Switching Support.
		The proposed switch should support all features of switch and parameters like MAC Address Table, etc at their peak values as specified above
		The switch should support Auto-negotiation on all ports to automatically select half or full-duplex transmission mode to optimize bandwidth.
		The switch should support Automatic media-dependent interface crossover (MDIX) to automatically adjust transmit and receive pairs if an incorrect cable type (crossover or straight-through) is installed.
		Broadcast/Multicast storm control.
		Port based Broadcast and Multicast limiting.

Sr. No.	PARAMETERS	MINIMUM REQUIRMENTS
10	Network security features	Multi-level access security on switch console to prevent unauthorized users.
		The switch should support port based security.
		The switch should support Dynamic ARP Inspection, and Source guard.
		Should support MAC based ACLs.
		Should support BPDU port protection.
		Should support STP root guard.
11	Redundancy	Link Aggregation.
		Spanning Tree Support.
		Support for IEEE rapid spanning tree.
12	Management	The switch should support Command Line Interface (CLI) support for configuration & troubleshooting purposes.
		The switch support SNMPv1, SNMPv2c, and SNMPv3.
		Support for TFTP based software upload/download.
		Support for port mirroring measurement using a network analyzer.
13	Networking features	
a	Device support	All IEEE 802.3 compliant devices
b	Protocols & features	Real-time Ring, QoS/TOS/DiffServ, port mirroring, broadcast storm protection
c	Industrial protocol support	IGMPv1/v2/v3, GMRP, GVRP, SNMPv1/v2c/v3, DHCP Server/Client, BootP, TFTP, SNTP, SMTP, RARP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH, SNMP Inform, EtherNet/IP, PROFINET, Modbus/TCP, LLDP, IEEE 1588 PTPv2, IPv6, NTP Server/Client
d	Standards compliance	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseT(X) IEEE 802.3z for 1000BaseX IEEE 802.3x for Flow Control IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid STP IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1p for Class of Service IEEE 802.1X for Authentication IEEE 802.3ad for Port Trunk with LACP

Sr. No.	PARAMETERS	MINIMUM REQUIRMENTS
e	Network Security	RADIUS, TACACS+, SSL, SSH, Broadcast Storm Protection, Port Lock, MAC sticky, NTP authentication, SMTP with TLS SSH to enhance network security
14	Power input	Built in redundant power supply
15	Input voltage range	100 and 240V AC
16	Overload Current Protection	Required
17	Reverse Polarity Protection	Required
18	Buttons	Reset button
19	Surge & spike protection	Should support EN 61000-4-5 std for surge.
20	Diagnostics	Self Test and alarm output
21	Operating & Design temperature	Refer Site Data
22	Ingress protection	Metal IP30 protection
23	Mounting	DIN rail or direct panel

Note:

- 1.0 All switches to be STP compliant/enabled
- 2.0 All active components must be from the same OEM.
- 3.0 1-Gig architecture shall be followed.
- 4.0 Cat 6 or above cabling to be done within building.
- 5.0 Inter-building connectivity to be done with OFC (with redundant links)
- 6.0 The uplink should support both fiber and copper
- 7.0 Inter-Switch connectivity
- 7.1 Cascading to be used.
- 7.2 Uplink should be at least 1x2 Gbps.

Signature Not Verified

Digitally signed by JAY SHRI KANT GUPTA
Date: 2022.09.08 09:42:48 IST
Location: Indian Oil Corporation Ltd-IOCL