



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

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FORWARDING LETTER

Tender No. : SDI4073P20 DT:14.03.2020
Tender Fee : NIL
Bid Security : Applicable
Bidding Type : SINGLE STAGE TWO BID SYSTEM
Bid Closing on : 23.04.2020 (11.00 HRS IST)
Bid Opening on : 23.04.2020 (14.00 HRS IST)
Performance Security : Applicable
Integrity Pact : Applicable

DATE OF PRE-BID CONFERENCE : 07.04.2020 & 08.04.2020

TIME OF PRE-BID CONFERENCE : 09.00 HRS

VENUE OF PRE-BID CONFERENCE : OIL INDIA LIMITED, DULIAJAN
(Exact venue for Pre-Bid Conference will be intimated nearer to the Pre-Bid)

A pre-bid meeting is scheduled to be held on 7th April 2020, Tuesday in Duliajan Assam. In the event of larger participation of prospective bidders, the meeting may extend up-to 8th April 2020, Wednesday. Under extraordinary situation, few bidders may be allowed to participate through Video Conferencing in the said pre-bid meeting. However such request should be forwarded to network2@oilindia.in by 4th April 2020 for necessary confirmation and associated technical details

The complete bid documents and details for purchasing bid documents, participation in E-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website www.oil-india.com.

NOTE: All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e- portal only. Bidders should regularly visit above website and e-portal to keep themselves updated.

OIL invites Bids for **SUPPLY, INSTALLATION AND COMMISSIONING OF UPGRADE AND EXTENSION OF DC AND CAMPUS NETWORK AT OIL FHQ - QTY = 01 NO** through its e-Procurement site under **SINGLE STAGE TWO BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents

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

This Tender has been floated for participation of Indigenous bidders only. Hence, only Indigenous bidders are eligible to participate against this tender.

Consortiums/Joint venture entities are not eligible to participate against this tender.

NOTES:

(1) A Pre-Bid Conference with the vendors will be held at **Oil India Limited, Duliajan on 2019** to discuss on the technical specifications and other terms and conditions of the tender. The exact venue of the Pre-Bid conference will be intimated to the vendors at a later date.

(2) Clarification on the technical specifications and other terms & conditions of the tender shall be provided to the vendors during the Pre-bid Conference. Vendors should come fully prepared to the Pre-bid Conference and submit their queries to OIL in the Pre-bid Conference for clarification. The set of queries shall be sent to OIL at least 5 working days before the Pre-bid Conference **(ie within 02.04.2020)** for study by OIL.

(3) Any changes in the technical specifications and other terms & conditions of the tender arising out of discussion in the Pre-bid Conference shall also form part of the tender document. **In the Pre-bid Conference specifications, terms and conditions of the NIT will be frozen and no request for amendment to NIT shall be entertained after the pre bid conference.**

(4) Vendors shall depute representatives who are competent enough and authorized to take on the spot decision. At the most 2 (Two) representatives from each vendor shall be allowed to participate in the pre-bid conference. All costs for attending the pre-bid conference shall be to the vendors account.

(5) Interested bidders should confirm participation in the Pre-bid Conference in advance, at least TWO (02) working days before Pre-bid conference date along with details of their personnel, at the following address, to enable OIL to make arrangements for the same:

DGM – MATERIALS (IP), OIL INDIA LIMITED
P.O DULIAJAN, PIN – 786 602, DIST. DIBRUGARH (ASSAM) INDIA
E-Mail: ranjanbarman@oilindia.in
Ph no. 0374 – 2808719 (Time : 07 -11 AM and 12.30 – 03.30 PM)

The tender will be governed by:

a) For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc, vendors should contact OIL's ERP MM Deptt at following: Tel Nos. = **0374-2807178/ 2807171/ 2807192/2804903.** Email id = **erp_mm@oilindia.in; esupport@oilindia.in**

b) OIL's office timings are as below:

	Time (in IST)
Monday – Friday	07.00 AM to 11.00 AM; 12.30 PM to 03.30 PM

Saturday	07.00 AM to 11.00 AM
Sunday and Holidays	Closed

Vendors should contact OIL officials at above timings only.

OIL Bank Details :

	Bank Details of Beneficiary	
a	Bank Name	STATE BANK OF INDIA
b	Branch Name	Duliajan
c	Branch Address	Duliajan, Dist-Dibrugarh
d	Banker Account No.	10494832599
e	Type of Account	Current Account
f	IFSC Code	SBIN0002053
g	MICR Code	786002302
h	SWIFT Code	SBININBB479
i	Contact No.	9435554859
j	Contact Person Name	Mr. K.L.K.Banik, AGM
k	Fax No.	0374-2802729
l	Email Id	sbi.02053@sbi.co.in

- c) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.
- d) Technical specifications and Quantity as per **Annexure – IA**.
- e) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.
- f) Amendments to the NIT after its issue will be published on OIL’s website only. Revision, clarification, addendum, corrigendum, time extension etc. to the tender will be hosted on OIL website only. No separate notification shall be issued in the press. Prospective bidders are requested to visit website regularly to keep themselves updated.
- g) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- h) Bidder are advised to fill up the Technical bid check list (**Annexure EEE**) and Response sheet (**Annexure FFF**) given in MS excel format in Technical RFx -> External Area ->

Special Notes:

1.0

(I)

- a) Bidders who do not have E-tender Login ID and Password should complete their online registration **at least seven (7) days prior to the scheduled bid closing date** and time of the tender. For online registration, Bidder may visit the OIL’s E-tender site <https://etender.srm.oilindia.in/irj/portal>
- b) Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.
- c) **MSE Units** (Manufacturers/Service Providers only and not their dealers/distributors) who are already registered with District Industry Centers or Khadi & Village Industries Commission or Khadi & Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts & Handloom or any other body specified by Ministry of MSME are **exempted from payment of Bid Security (EMD)** irrespective of their monetary limit, product category and capacity mentioned in their registration, **subject to submission of valid MSE registration certificate issued by appropriate authority.**
- d) For availing benefits under Public Procurement Policy (**Purchase preference**), the interested MSE Bidders must ensure that they are the **manufacturers of the tendered item(s) and registered with the appropriate authority for the said item(s).** Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority specifying the item as per tender. Therefore, it is in the interest of such MSE Vendors to furnish a copy of complete certificate to the concerned tender handling officer of **OIL at least seven (7) days prior to the scheduled Bid Closing Date of the tender**, seeking clarification/confirmation as to whether their MSE certificate is eligible for EMD exemption or not. **Late communication in this regard and request for bid closing date extension on that plea shall not be entertained by Company.**⁺

(II)

In case a Startup [defined as per Ministry of Commerce and Industry (Department of Industrial Policy and Promotion, DIPP) latest notification]/ MSE is interested in supplying the tendered item but does not meet the Pre-Qualifying Criteria (PQC)/ Proven Track Record (PTR) indicated in the tender document, the Startup/MSE is requested to write a detailed proposal separately, and not against the present tender requirement, to the tender issuing authority about its product. Such proposals shall be accompanied by relevant documents in support of MSE (where applicable) or in case of Startup, following documents shall be given:

1. Certificate of Recognition issued by the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
2. Certificate of incorporation.

3. Audited Profit & Loss (P&L) Statement of all the Financial Years since incorporation. In case where the Balance sheet has not been prepared, bidder shall submit a certificate in original from its CEO/CFO stating the turnover of the bidding entity separately for each Financial Years since incorporation alongwith a declaration stating the reason for not furnishing the audited P&L Statement. This certificate shall be endorsed by a Chartered Accountant/Statutory Auditor.

The Proposal shall be examined by OIL and OIL may consider inviting a detailed offer from the Startup/MSE with the intent to place a TRIAL or TEST Order, provided the Startup/MSE meets the Quality and Technical Specifications.

In case the Startup/MSE is successful in the Trial Order, the vendor shall be considered for PQC exemption/relaxation (as the case may be) for the next tender for such item till the time it remains a Startup/MSE.

NOTE:

In case of MSE/PSUs/ Govt. Bodies / eligible institutions etc., they must apply to concerned tender handling officer, Materials Department, Oil India Limited, P.O. Duliajan, Assam-786602 for waiver of EMD upto one week prior to the Bid closing date (or as amended in e-portal).

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

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

2.2 The “**PRICE BID**” must contain the price schedule and the bidder’s commercial terms and conditions. **For price upload area , please refer “NEW INSTRUCTIONS” Please refer Annex-BB for price schedule.**

2.3 Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in **Annexure-CCC**.

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

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

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

4.0 Benefits to Micro & Small Enterprises (MSEs) as per OIL’s Public Procurement Policy for Micro and Small Enterprises (MSEs) shall be given. Bidders are requested to go

though ANNEXURE – I of MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders for more details.

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

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

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

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

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

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

1. **SHRI RAJIV MATHUR, IPS (Retd.)**
Former Director, IB, Govt. of India,
E-Mail ID: rajivmathur23@gmail.com
2. **SHRI JAGMOHAN GARG**
Ex-Vigilance Commissioner, CVC
E-mail ID: jagmohan.garg@gmail.com
3. **SHRI RUDHRA GANGADHARAN, IAS (RETD.)**
Ex-Secretary, Ministry of Agriculture
E-mail ID: rudhra.gangadharan@gmail.com

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

- 11.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.
- 12.0 Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.
- 13.0 If Bank Guarantee is submitted towards 'Bid Security', then bidders have to ensure that the Bank Guarantee issuing bank indicate the name and detailed address (including e-mail) of their higher office from where confirmation towards genuineness of the Bank Guarantee can be obtained.
- 14.0 Bidders are requested to refer to the enclosed **Annexure – BBB** for the Taxes and Duties clauses under GST regime.

15.0 Delivery/collection Instructions in cases where transportation is in OIL's scope:

- (i) the suppliers shall be required to deliver the Sundry consignments of weight less than 3 (Three) Tons at the godown/office/collection point of OIL's authorized transporter in various cities.
- (ii) consignments weighing more than 3(Three) Tons shall be collected from the supplier's premises/loading points by OIL's authorized transporter.
- (iii) the name of OIL's current authorized transporter is:
- a) M/s Western Carriers (India) Ltd.

Bidder's are requested to note the above delivery/collection instructions while submitting their offers.

16.0 The applicable GST on the Liquidated Damage if any, shall have to be borne by the seller. Accordingly, the Liquidated Damage shall be recovered from the seller along with applicable GST.

17.0 Bidders should fill-up and submit alongwith their bid an UNDERTAKING towards authenticity of information/documents furnished by them, as per enclosed ANNEXURE-K.

18.0 For convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL's e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/ costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. In case the Price-Bid is invited by Company through attachment form under "Notes & Attachment" (i.e., NO PRICE Condition), Bidders must upload their detailed Price-Bid as per the prescribed format under "Notes & Attachment", in addition to filling up the "Total Bid Value" Tab taking into account the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Condition (i.e., Price Bid in attachment form), the "Total Bid Value" as calculated & quoted by the Bidder shall only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/ omissions therein, if any. Notwithstanding to sharing the "Total Bid Value" or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the uploaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the tender.

19.0 DISCLAIMER: Rates/Costs shown above are as calculated/quoted by the respective Bidder. Company does not assume any responsibility and shall not be liable for any calculation error or omissions. However, for placement of order/award of contract, Company shall evaluate the cost details to determine the inter-se-ranking of Bidders strictly as per their Price-Bids and Bid Evaluation Criteria of the Tender. OIL INDIA LTD accepts no liability of any nature resulting from mismatch of "Total Bid Value" & price submitted under "Notes & Attachment" by any bidder and no claim whatsoever shall be entertained thereof.

Please do refer “**NEW INSTRUCTION TO BIDDER FOR SUBMISSION**” for the above two points and also please refer “ **New Vendor Manual (effective 01.03.2019)** ” available in the login Page of the OIL’s E-tender Portal.



Oil India Limited e-Procurement

User ID *

Password *

Logon Problems? [Get Support](#)

[Supplier Enlistment for E-Tender](#)

[Important Note for New Portal Users:](#)

[Click here to View Competability Settings](#)

[General Guidelines to bidders](#)

[Click for User Manuals](#)

Click here for the New Manual & Instruction

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NOTE:

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

Yours Faithfully

**Sd-
(N M KAKATI)
SR MANAGER MATERIALS (IP)
FOR : GM-MATERIALS (HoD)**

Tender No & Date: SDI4073P20 DT:14.03.2020**BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC)**

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

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

<u>Criteria</u>	Complied / Not Complied. (Remarks if any)
<p>1.0 BID REJECTION CRITERIA (BRC):</p> <p>The bid shall conform generally to the specifications, terms and conditions given in this document. Notwithstanding the general conformity of the bids to the stipulated specifications, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.</p> <p>A) TECHNICAL:</p> <p>1. Bidder must have experience of successfully executing one similar order in India of minimum value INR 5,93,52,300.00 during last 5 years as on original bid closing date for this tender.</p> <p>Definition of "similar order" in the context of this clause: Supply, design and implementation of VXLAN overlay based data centre or VXLAN overlay based campus network using network equipment (any combination of switch/router/firewall).</p> <p>2. Bidder must have experience of successfully executing one similar order in India of minimum value INR 13,79,400.00 during last 7 years as on original bid closing date for this tender.</p> <p>Definition of "similar order" in the context of this clause: Providing support & maintenance services for data centre or campus network infrastructure with completed service period of at least 3 years during last 7 years as on original bid closing date for this tender.</p> <p>Note:</p> <p>1. Documentary evidence in respect of the above must be submitted in the form of:</p>	

- a. Copies of relevant Purchase Order, and
- b. Completion certificate or any other documentary evidence that can substantiate the satisfactory completion of the purchase order cited above clearly mentioning the quantum of work satisfying the requirement of the clause above.

2. To evaluate the value of the similar work as per the above BEC clauses, only the cost of materials/services meeting the definition of "similar order" shall be considered.

3. For the BEC clause-2 above, if the bidder is executing a similar order which is still running and the cost for quantum of work executed prior to original bid closing date of the tender is equal to or more than the minimum prescribed value in the BEC , then such experience will also be taken into consideration provided that the bidder submits last certificate of payment showing gross value of SIMILAR work done along with Contract documents / work order of the running contract.

Note:

a) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.

b) Satisfactory supply/completion/installation report (if submitted) should be issued on client's official letterhead with signature and stamp.

B) FINANCIAL:

a) **Annual Financial Turnover** of the bidder during **any of preceding 03 (three) financial / accounting years from the original bid closing date** should be at least **Rs. 690.08 Lakhs.**

b) Net Worth of the firm should be Positive for preceding financial / Accounting year **(FY: 2018-2019).**

Note -For (a) & (b):

Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year 2018-19 (As the case may be) has actually not been audited so far'.

Note:

a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

- i) A certificate issued by a practicing Chartered Cost Accountant (with

Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE-J**.

OR

ii) Audited Balance Sheet along with Profit & Loss account.”

b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

C) COMMERCIAL:

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

ii) Bid security:

The bid must be accompanied by Bid Security of **Rs. 23,20,300.00** in OIL's prescribed format as Bank Guarantee in favour of OIL. The Bid Security may be submitted manually in sealed envelope superscribed with Tender no. and Bid Closing date to GM-Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 7 months from Bid closing date (i.e. upto 30.11.2020).**

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

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

For exemption for submission of Bid Security, please refer Clause No. 8.16 of General Terms and Conditions vide MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

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

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

IV) PERFORMANCE SECURITY:

The successful bidder shall submit Performance Security @ 10% of PO value within 30 days of receipt of the formal purchase order failing which OIL reserves the right to cancel the order and forfeit the Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above.

The Performance Security shall be in the following form :

A Bank Guarantee in the prescribed OIL's format valid for 90 days beyond delivery period and applicable warranty/guarantee period (if any).

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

However, PBG will be applicable only if value of Purchase Order exceeds Rs 5(five) lakhs.

v) The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

vi) Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

vii) All the Bids must be Digitally Signed using "Class 3" digital certificate with Organisation's name (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3 with Organisation's Name" digital certificate, will be rejected.

viii) **Technical RFX Response folder is meant for Technical bid only. Therefore, No price should be given in Technical RFX Response folder, otherwise the offer will be rejected.**

ix) Price should be maintained in the "online price schedule" only. The price submitted other than the "online price schedule" shall not be considered.

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

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

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

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

in the Tender.

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

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

NOTE: FOR CLAUSE NOS. C(ii) & C(iv) OF BID SECURITY/EMD AND PBG

The bidders/successful bidders are requested to advise the Bank Guarantee issuing bank to comply with the following and ensure to submit, the receipt of the copy of SFMS message as sent by the issuing bank branch, along with the original bank guarantee in OIL's tender issuing office:

“The Bank Guarantee issuing Bank branch must ensure the following:

The Bank Guarantee issued by the Bank must be routed through SFMS platform as per following details:

(i) MT 760 / MT 760 COV for issuance of Bank Guarantee

(ii) MT 760 / MT 767 COV for amendment of Bank Guarantee

The above message / intimation shall be sent through SFMS by the BG issuing Bank branch to HDFC Bank, Duliajan Branch, IFS Code – HDFC0002118; SWIFT Code - HDFCINBBCAL.

Branch Address: HDFC Bank Limited, Duliajan Branch, Utopia Complex, BOC Gate, Jayanagar, Duliajan, Dibrugarh, PIN – 786602.”

NOTE: The Bank Guarantee issued by a Scheduled Bank in India at the request of some other non-scheduled Bank in India shall not be acceptable.

2.0 BID EVALUATION CRITERIA (BEC)

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

A) TECHNICAL:

1. The manufactured product should be strictly as per OIL's tender specification.

2. Bids shall be evaluated strictly as per NIT specifications, terms and conditions.

B) COMMERCIAL:

i) To evaluate the inter-se-ranking of the offers, all Taxes / Levies will be considered as per prevailing Govt. guidelines as applicable on the bid opening date. Bidders may check this with the appropriate authority before submitting their offer.

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

<p>iii) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.</p> <p>iv) To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.</p>	
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NOTE:

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

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI4073P20 DT:14.03.2020

MATERIALS DESCRIPTION	Complied / Not Complied. (Remarks if any)
<p><u>ITEM NO. 10</u></p> <p><u>UPGRADE AND EXTENSION OF DC AND CAMPUS NETWORK AT OIL FHQ – QTY = 01 NO</u></p> <p>Introduction</p> <p>The primary data centre (PDC) of OIL is located at Field Head Quarters (FHQ), Duliajan, Assam and secondary data centre is located at Corp HQ, Noida. OIL is building its 3rd data centre (Near DR, NDR) in close proximity to its primary data centre at Field Headquarters, Duliajan. Both the data centres in Duliajan will act in Active-Active manner.</p> <p>OIL intends to:</p> <ul style="list-style-type: none"> • Upgrade its existing network infrastructure in the primary data centre • Build the network infrastructure for the 3rd data centre • Upgrade Core and Distribution layers in the campus network of Field Headquarters, Duliajan <p>OIL's primary business applications are centrally hosted in the primary data centre at Duliajan currently. All end users of OIL access this data centre from various branch locations of OIL spread across India and overseas. OIL shall deploy all its applications in high available fashion across its PDC and the proposed NDR in order to ensure maximum availability of the hosted applications. The proposed network infrastructure sought to be implemented through this tender should meet the above functional requirement. Due to business-critical nature of this project, OIL solicits bids from reputed and capable bidders to meet all tender requirements.</p> <p>Scope of Work</p> <p>The scope of work includes the following:</p> <ol style="list-style-type: none"> a) Supply of physical appliances, software and necessary licenses b) Training c) Design, installation, integration, commissioning and user acceptance testing d) Subscription to necessary content/signature updates e) Managed services for the entire solution for a period of seven years <p>Delivery Terms</p> <ol style="list-style-type: none"> 1. Delivery of items must be completed within 60 days of placing the purchase order. 2. The bidder must provide soft copy or hard copy of the OEM product documentation and configuration manual at the time of delivery. 3. The bidder must provide list of supplied inventories along with OEM serial number/service tag at the time of delivery. 4. All the required software licenses must be provided in soft or hard copy at the time of delivery. 5. All the supplied software licenses must be perpetual in nature without any requirement for renewal. 6. All the necessary content/signature update licenses (for e.g. firewall signature 	

updates etc.) must be renewed every year annually for a period of 7 years from the date of successful commissioning of the solution.

7. All the hardware specifications and quantity to be supplied are minimum tender requirement only. If the bidder's proposed solution requires additional/higher specifications and/or higher quantity and/or any additional software/license/hardware, the bidder may include them in the proposed solution and specify under "ANY OTHER ITEMS"
8. Documentation Deliverables: The following are the documentation deliverables to be submitted by the bidder during various stages of the implementation of the solution:

Stage	Document
Project kick-off meeting	Project Execution Plan
During delivery of equipment and software	<ol style="list-style-type: none"> 1. OEM product documentation and configuration manual 2. List of supplied inventories 3. Software licenses
After completion of design phase	Design documents: <ol style="list-style-type: none"> 1. HLD 2. LLD 3. UAT Plan
Training	OEM published training material
Before commencement of Installation and commissioning	OEM certificates for the installation engineers
At the time of commissioning	<ol style="list-style-type: none"> 1. UAT report 2. Copy of Back-to-back agreement with respective OEMs regarding support and maintenance of the supplied items 3. Qualification and experience credentials of the on-site service engineer 4. Content update/signature updatesubscriptions for 1st year

9. Bill of Materials: The bidder shall supply the items as per the bill of materials specified in Annexure-1.

Special Terms

1. The bidder must submit manufacturer's authorization letter (MAF) from their respective OEMs for Network switches and NGFW firewall to quote against this tender. MAF must include authorized personnel contact details: Email address and Phone number.
2. The bidder must confirm that the OEM, whose product/solution is being proposed, must have the Technical Support Centre in India for providing 24x7x365 technical support.
3. The bidder shall quote for all the items as specified in tender. Partial offers will be considered as non-responsive and will be rejected.
4. Bidder's quote for the annual recurring cost exclusive of tax (Total annual cost for line items 40 and 50) shall not be less than 10% of the bidder's quote for the capital cost exclusive of tax (Total cost for line items 10, 20 and 30). Bids not conforming to this clause shall be rejected.
5. The bidder must provide unpriced bill of materials(with details of make, model and quantity for each of the item) along with the bid. This must include

additional software/feature licenses needed to meet the solution requirements. The bill of materials must contain details of all the items listed in clause 2.9. The unpriced bill of materials must be submitted as per the template defined in Annexure-1.

6. All the network switches shall be from the same OEM.
7. The bidder must provide technical details of their offered solution by filing in the Bidder's Response Sheet – Annexure-2. The bidder must ensure that information in Annexure-2 is complete and correct.
8. The bidder must submit relevant product brochure/manual/documentation for all the quoted items. Technical scrutiny to determine compliance of the quoted items against the specification given in the tender shall be done on the basis of submitted product brochure/manual/documentation along with the information given by the bidder in Bidder's Response Sheet – Annexure-2.
9. All the technical requirements of the tender must be met in totality by the quoted items as on bid closing date.
10. Bidders shall confirm that their OEMs will provide support during the entire duration of the purchase order, i.e. up to 7 years of AMS support.
11. The proposed solution (including all the Hardware and software) must have minimum of seven years of end of support from the date of bid closing. Respective OEM documentation (Hardware as well as software) to this effect must be submitted along with the bid. OEM's declared end-of-support literature must mention the availability of Hardware spares for next seven years.
12. A pre-bid conference for this tender will be held in Duliajan to discuss queries/amendment requests with prospective bidders. The bidder must submit queries/amendment requests to OIL by E-mail at least five days prior to Pre-bid conference. Date and venue of the pre-bid conference shall be notified later. No queries/amendment requests/request for extension of BC date shall be entertained after the pre-bid conference.
13. The bidder has to make his own arrangements for transportation and accommodation of its personnel when visiting various locations of OIL within the scope of the solution.

Project Management Terms

1. The bidder must adhere to the following project timeline:

Project Milestone	Completion deadline in days since placement of Purchase Order	Prerequisite Condition
Supply of all hardware and software items	60 days	None
Solution Design	60 days	None
Training	None	None
Installation and Commissioning, completion of UAT	120 days	<ol style="list-style-type: none"> 1. Training must be completed 2. The solution design must be approved by OIL 3. Details of installation team shared with OIL
Start of Managed services	None	<ol style="list-style-type: none"> 1. Completion of installation and commissioning 2. Completion of all

	deliverables
<ol style="list-style-type: none"> The bidder shall designate one of its suitably qualified personnel as the Project Manager (PM) for execution of this project. The PM shall be the single point of contact for OIL regarding the execution of the project. The PM shall be on-site in Duliajan during the installation, commissioning and UAT phase. The bidder shall commence the project activities after placement of PO by arranging a kick-off meeting wherein the bidder will share the detailed project execution plan with OIL. <p>Penalty Terms</p> <ol style="list-style-type: none"> Penalty terms for not meeting the SLAs of Managed service are defined in the scope of the Managed Services. Maximum penalty for non-performance deduction in a quarter will not exceed 15% of the total managed services charges for a quarter. Penalty due to delay in Installation and Commissioning: If installation and commissioning is delayed beyond 120 days of placing the purchase order for reasons not attributable to OIL, an amount at the rate of 0.5% per day would be recovered from the remaining 30% of payment against delivery. However, the recoverable amount would not exceed 30% of the remaining amount against delivery (30 % of payment against the Hardware and software cost of the solution). <p>Payment Terms</p> <ol style="list-style-type: none"> Payment against the Hardware and software cost of the solution will be as per the following schedule: <ol style="list-style-type: none"> 70% - After delivery of material (hardware, software and licenses) 30% - After completion of installation and commissioning AND successful completion of training modules. Total training charges will be paid on submission of consolidated training invoice after successful completion of training modules. Installation and commissioning charges will be paid on submission of invoices after successful commissioning of the solution. Managed services charges will be paid quarterly after completion of the quarter. The bidder must submit appropriate invoices to HoD, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing. Charges for content update/signature updates/subscriptions (for e.g. firewall signature updates etc.) for a duration of 7 years will be paid yearly after delivery of the necessary subscriptions for the year. The bidder must submit appropriate invoices to HoD, IT Department, Oil India Limited, Duliajan, Assam - 786602, on an annual basis, clearly mentioning the OIL Purchase Order no. and period of billing. <p>Confidentiality Agreement OIL Confidentiality and Non-Disclosure Agreement (NDA) will be applicable and bidder has to submit Non-Disclosure Agreement as per given format in Annexure-3 duly signed & Sealed by the authorized signatory of the bidder, along with the bid.</p> <p>Information to the bidders Current Network Infrastructure at OIL FHQ Please refer to the diagram in Annexure-4. The diagram gives the overview of the current network infrastructure at OIL FHQ. The current network architecture is based on the traditional 3-layer hierarchical model.</p> <p>Core Layer</p>	

The core layer is implemented using Juniper Network's Virtual Chassis Fabric (VCF) technology running on Juniper QFX switches. The servers in the DC-1 are either directly connected to the Core VCF or connected via L2 switches connected to the Core VCF. The Core layer connects to the Distribution/Aggregation layer via the internal firewalls (Juniper SRX).

Distribution/Aggregation layer

The distribution layer is implemented using Juniper Network's Virtual Chassis Fabric (VCF) technology running on Juniper QFX and EX switches. The access switches are connected to this layer and the campus LAN is segmented using VLANs. This layer implements the integrated routing and bridging (IRB) functionality. The distribution VCF acts as the DHCP server for all the endpoints in the access layer.

WAN connectivity terminates on this layer.

Branch Connectivity

Connectivity to nine other offices of OIL including the Disaster Recovery (DR) centre is achieved via dual homed MPLS connectivity on on-premise SD-WAN infrastructure running on Cisco IWAN solution.

Internet Connectivity

OIL uses multiple Internet links to connect to the Internet. The Internet traffic is filtered via NGFW Firewall (Checkpoint) and NAT translations are done in another Firewall (Cisco ASA).

L3 connectivity other subnets of OIL like remote field locations and pipeline network also terminates on this layer.

Access Layer

The access layer in the campus LAN consists of ~200 L2 switches from different OEMs – Cisco, Juniper Networks and Brocade/Ruckus Networks. L2 switches are connected via 802.1Q trunk interfaces to the Distribution layer.

Proposed Network Architecture

Please refer to the diagram in Annexure-5 which gives overview of the proposed network architecture.

1. Existing Core layer composed of Core VCF shall be replaced by DC-1 IP fabric consisting of four leaf switches and two spine switches.
2. Existing Distribution layer composed of Distribution VCF shall be replaced by Campus IP fabric consisting of two Campus core/spine switches and fourteen Distribution/leaf switches. Existing L3 connectivity which are now connected to the Distribution VCF shall be terminated on the leaf devices of the Campus IP fabric.
3. In the new datacentre DC-2, IP fabric similar to DC-1 shall be implemented consisting of four leaf switches and two spine switches.
4. The existing internal firewalls shall be replaced by new NGFW firewalls (one each in each DC configured in HA) and shall be connected to the DC spine devices or DC leaf devices (to be decided during the design phase).
5. The existing access layer shall remain unchanged; however, it shall be connected to the new Campus leaf devices.
6. DHCP Server functionality which was earlier implemented in the Distribution VCF shall now be implemented using Windows 2019 servers in HA mode.
7. NTP server functionality which was earlier implemented in the Core VCF shall now be implemented using separate NTP servers.

Functional Requirements

Primary Objectives

1. OIL will migrate its current datacentre network architecture to Layer 3 IP-based underlay using CLOS topology coupled with a VXLAN-EVPN overlay to

improve application scalability and performance, allow for movement of applications across datacentres and to eliminate Spanning Tree Protocol (STP) in the datacentre network. The same architecture shall also be used in the upcoming 3rd data centre of OIL.

2. OIL will migrate its Core and Aggregation layers of the Campus network to EVPN-VXLAN based campus architecture to use consistent architecture and network segmentation across campuses and data centres, allow location agnostic connectivity enabling L2 mobility and consistent endpoint experience and to eliminate Spanning Tree Protocol (STP) in the core and aggregation layers of the campus network.
3. The entire solution shall be based on relevant industry standards and must be OEM agnostic for future scalability.
4. There shall not be any single point of failure in the whole solution.

Technical Requirements

Topology

1. Both the DC networks shall adopt spine-leaf (Clos) architecture and VXLAN overlay with each DC containing minimum
 - a. Two spine switches
 - b. Four leaf switches
2. Campus network shall adopt spine-leaf (Clos) architecture and VXLAN overlay with
 - a. Two spine switches (one each will be placed in each DC)
 - b. Fourteen leaf switches implementing the aggregation layer connecting to existing access switches
3. End system shall be multi-homed to the leaf switches using standard link aggregation group (LAG) on the end systems and ESI or equivalent technology on the EVPN-VXLAN fabric. 10/25 GE interface shall be used for connectivity to end systems.
4. The VXLAN Fabric must support connecting to non-VXLAN network infrastructure – both IP connected and Ethernet connected systems.
5. Spine switches in both the DCs will be physically connected to the Campus Spine switches.
6. The leaf and spine devices in DC fabrics shall be interconnected using 40/100 GE interfaces that are either single links or aggregated Ethernet interfaces. In case of campus fabric, 10GE interface will be used to connect the leaf and spine devices.

IP Fabric Underlay Network

1. The underlay network shall support the following routing protocols:
 - a. Open Shortest Path First (OSPF)
 - b. EBGp

OIL will select one of these routing protocols for use in the underlay network during the design phase.

2. The underlay network shall support Ethernet Jumbo frame.
3. The underlay network shall support both IPv4 and IPv4 and IPv6 protocols.
4. The underlay network shall support ECMP multipath routing.

Overlay Network

1. Virtual Extensible LAN (VXLAN) as defined in RFC 7348 shall be used as an overlay technology in both data centres and campus.
2. The VXLAN implementation must be controller-less and any 3rd party device (Spine and Leaf switches) complying to the relevant standards of VXLAN and EVPN-BGP must be able to participate in the fabric.

3. Only network-based overlay deploying network switches as VXLAN tunnel endpoints (VTEPs) shall be used.
4. EVPN (Ethernet VPN) MP-BGP (Multiprotocol BGP) control plane shall be used to distribute reachability information for the VXLAN overlay network, including endpoint MAC addresses, endpoint IP addresses, and subnet reachability information.
5. The overlay must support both asymmetric and symmetric EVPN IRB models.
6. Layer 2 domains must be extendible across the datacentres enabling movement of VM/applications from one DC to another or to DR without change in IP address.
7. The overlay network shall support the following overlay models:
 - a. Edge-Routed bridging overlay: The edge-routed bridging overlay performs routing at IRB interfaces located at the edge of the EVPN network (Leaf switches)
 - b. Centrally-routed bridging overlay: Centrally-routed bridging overlay performs routing at a central location in the EVPN network (Spine switches)

OIL will select one of these overlay models for use in the overlay network during the design phase.

8. IRB Addressing Models in Bridging Overlays: The overlay must support the following models:
 - a. Unique IRB IP Address—In this model, a unique IP address is configured on each IRB interface in an overlay subnet
 - b. Unique IRB IP Address with Virtual Gateway IP Address - This model adds a virtual gateway IP address to the previous model
 - c. IRB with Anycast IP Address and MAC Address—In this model, all default gateway IRB interfaces in an overlay subnet are configured with the same IP and MAC address
9. Ingress Virtual Machine Traffic Optimization for EVPN: The overlay will support Ingress Virtual Machine Traffic Optimization to avoid traffic trombone effect – inefficient routing of traffic after VM movement.
10. North-south communication between the data centre and the campus network shall traverse the NGFW firewall. In this design, the VXLAN Fabric provides a Layer 2-only service. All communication that requires crossing the Layer 2 demarcation must be sent to the firewall to be routed.
11. Layer 2 Port Security Features: The overlay must support the following:
 - a. Preventing BUM Traffic Storms with Storm Control
 - b. Analysing traffic using port mirroring

DHCP Server

1. Windows Server 2019 based DHCP server shall be implemented to replace the existing DHCP server functionality configured in the Distribution VCF.
2. The DHCP server will have separate DHCP scope for each VLAN. Currently OIL uses ~10 VLANs in the server zone and ~100 VLANs in the user access layer.
3. There shall be two DHCP servers configured in high availability.
4. The DHCP servers shall be integrated with OIL's Active Directory environment.
5. The DHCP servers shall be designed to support address leases for minimum 5000 endpoints and minimum 300 subnet scopes.
6. The logs of address leases containing details of endpoint's MAC address, leased IP address, duration, timestamp must be recorded and maintained for a period of one year.

<p>7. Necessary Windows Server 2019 licenses to implement the DHCP server functionality must be supplied by the bidder.</p> <p>Local Network Time Protocol (NTP) server</p> <ol style="list-style-type: none"> 1. Linux based server shall be used as the local NTP server which shall synchronize it's time to one or more stratum 1 or 2 devices which are public and open use global NTP servers. 2. Other endpoints like network devices, Active directory servers and other servers will synchronize their time with the local NTP server. <p>NGFW</p> <ol style="list-style-type: none"> 1. North-south communication between the data centre and the campus network shall traverse the NGFW firewall. 2. The NGFW firewall shall natively classify all applications regardless of port, SSL/SSH encryption, or evasive technique employed and tie that traffic to users regardless of location or device type and use this information for enablement policy decisions: allow, deny, schedule, inspect, and apply traffic-shaping. 3. The NGFW firewalls shall have the following capabilities: <ol style="list-style-type: none"> a. Application layer visibility b. User identification and control c. Granular SSL decryption and inspection (inbound and outbound) d. Malware prevention e. Vulnerability based protection/IPS f. QoS: policy-based traffic shaping 4. The NGFW firewalls shall support the following routing protocols: <ol style="list-style-type: none"> a. BGP, MP-BGP b. OSPF 5. The NGFW firewalls shall have aggregated logging and event correlation with fully customizable reporting. 6. There shall be a separate management component for policy management and reporting. 7. There shall be one NGFW firewall in each DC configured in active-active HA. 8. OIL has layered security with appliances from Check Point Software Technologies installed in one of the layers.OIL needs multiple OEMs while implementing layered security, hence appliances from Check Point Software Technologies must not be offered as part of this solution. <p>Network Management Platform</p> <ol style="list-style-type: none"> 1. A network management platform with fault, configuration, accounting, performance, and security management (FCAPS) capability shall be used for management, control, automation, monitoring, visualization and troubleshooting of the VXLAN fabrics in datacentres and campus. 2. Fabric automation: The tool shall fully automate the provisioning, configuration, and deployment of the underlay network and the VXLAN overlay. 3. Monitoring: The tool shall provide in-depth monitoring of real time and historical performance statistics and health information of the network devices. 4. Visualization: The tool shall provide visibility into the underlay network, overlay network, VTEP and the extent of the VXLAN overlay in the fabric. 5. Troubleshooting: The tool shall provide analyser capabilities for performance, network traffic, flow path, overlay and underlay network for troubleshooting. 6. Configuration management: The tool shall enable configuration management of the network devices. 7. The platform shall be implemented in HA mode across the two DCs. 8. The network management platform may consist of multiple software 	
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components /tools.

Other requirements

1. All the equipment/components must be dual stack (IPv4 plus IPv6) compliant and should be able to support both IPv4 plus IPv6 without any upgrades.
2. All the licenses/content update/signature update subscriptions required to meet the tender specifications must be supplied from day-1.
3. All the supplied software licenses must be perpetual in nature without any requirement for renewal.

Technical Specifications with quantity

ITEM NO 10: HARDWARE AND SOFTWARE COMPONENTS – Quantity 01 AU.

Note: Wherever 40/100G, 1/10G, 1GbE/10GbE/25GbE, 1/10G is mentioned, it is meant that the port is capable of operating in all the listed bandwidths.

Datacentre Spine switches

1.	Total quantity	4 (2 Spines in each DC)
2.	Form Factor	<ol style="list-style-type: none"> 1. Dimension: Maximum 2 RU rack height 2. Rack mountable, rack mounting kit to be supplied along with
3.	Minimum number of Ports	<ol style="list-style-type: none"> 1. 40/100G QSFP28 ports: 24 2. 10G SFP+ ports: 2(Required if the bidder's design proposes connectivity between NGFW and DC spine switches) 3. 10/100/1000BASE-T port for management: 1 4. RS-232 serial console ports: 1
4.	Power	<ol style="list-style-type: none"> 1. Input voltage: 200-240 V AC, 50 Hz 2. Dual redundant power supply
5.	Cooling	Redundant (N+1) fan module
6.	Minimum system throughput	Non-blocking 4.84 Tbps
7.	Minimum forwarding capacity	3.2 Bpps (considering packet size of 200 bytes)
8.	Minimum number of IPv4 host entries	50,000
9.	Minimum number of MAC address entries	50,000
10.	Minimum number of ARP entries	50,000
11.	Output queues per port	8

12	Features	<ol style="list-style-type: none"> 1. Static routing 2. OSPF v1/v2 3. OSPF v3 4. IPv4 and IPv6 5. Bidirectional Forwarding Detection (BFD) 6. BGP for IPv4 and IPv6 7. Dynamic Host Configuration Protocol (DHCP) v4 and v6 relay 8. Protocol Independent Multicast PIM-SM, PIM-SSM 9. ECMP 10. Virtual Routing and Forwarding (VRF) 11. Ingress and egress L2-L4 access control lists (ACLs): <ol style="list-style-type: none"> a. - Port ACLs b. - VLAN ACLs c. - Router ACLs 12. QoS: <ol style="list-style-type: none"> a. Weighted random early detection (WRED) b. Low latency queuing with strict high priority c. Weighted round-robin (WRR) queuing 13. VXLAN 14. VXLAN L2 Gateway 15. VXLAN L3 Gateway 16. Ethernet VPN (EVPN)-VXLAN 17. EVPN multihoming OR equivalent 18. Management: <ol style="list-style-type: none"> a. SNMP v1/v2/v3 b. RADIUS c. TACACS+ d. SSHv2 19. 802.1D: Spanning Tree Protocol (STP) 20. 802.1w: Rapid Spanning Tree Protocol (RSTP) 21. 802.1s: Multiple Spanning Tree Protocol (MSTP) 	
13	Licenses	All the software and licenses required to meet the above switch specifications must be provided from day-1.	
Datacentre Leaf switches			
1.	Total quantity	8 (4 Leaf switches in each DC)	

2.	Form Factor	<ol style="list-style-type: none"> 1. Dimension: Maximum 2 RU rack height 2. Rack mountable, rack mounting kit to be supplied along with 	
3.	Minimum number of Ports	<ol style="list-style-type: none"> 1. 40/100G QSFP28 ports: 4 2. 1GbE/10GbE/25GbE ports: 48 3. 10/100/1000BASE-T port for management: 1 4. RS-232 serial console ports: 1 	
4.	Power	<ol style="list-style-type: none"> 1. Input voltage: 200-240 V AC, 50 Hz 2. Dual redundant power supply 	
5.	Cooling	Redundant (N+1) fan module	
6.	Minimum system throughput	Non-blocking 3.20 Tbps	
7.	Minimum forwarding capacity	2 Bpps (considering packet size of 200 bytes)	
8.	Minimum number of IPv4 host entries	50,000	
9.	Minimum number of MAC address entries	50,000	
10.	Minimum number of ARP entries	20,000	
11.	Output queues per port	8	
12.	Features	<ol style="list-style-type: none"> 1. Storm Control 2. Static routing 3. OSPF v1/v2 4. OSPF v3 5. IPv4 and IPv6 6. Bidirectional Forwarding Detection (BFD) 7. BGP for IPv4 and IPv6 8. Dynamic Host Configuration Protocol (DHCP) v4 and v6 relay 9. Protocol Independent Multicast PIM-SM, PIM-SSM 10. ECMP 11. Virtual Routing and Forwarding (VRF) 12. Ingress and egress L2-L4 access control lists (ACLs): <ol style="list-style-type: none"> a. - Port ACLs b. - VLAN ACLs c. - Router ACLs 13. QoS: <ol style="list-style-type: none"> a. Weighted random early detection (WRED) b. Low latency queuing with strict high priority c. Weighted round-robin (WRR) queuing 14. VXLAN 15. VXLAN L2 Gateway 	

		16. VXLAN L3 Gateway 17. Ethernet VPN (EVPN)-VXLAN 18. EVPN multihoming OR equivalent 19. Management: <ul style="list-style-type: none"> a. SNMP v1/v2/v3 b. RADIUS c. TACACS+ d. SSHv2 20. 802.1D: Spanning Tree Protocol (STP) 21. 802.1w: Rapid Spanning Tree Protocol (RSTP) 22. 802.1s: Multiple Spanning Tree Protocol (MSTP)	
13	Licenses	All the software and licenses required to meet the above switch specifications must be provided from day-1.	
Campus Spine switch			
1.	Total quantity	2 (1 campus spine switch in each DC)	
2.	Form Factor	1. Dimension: Maximum 2 RU rack height 2. Rack mountable, rack mounting kit to be supplied along with	
3.	Minimum number of Ports	1. 40/100G QSFP28 ports: 8 2. 1GbE/10GbE ports: 24 3. 10/100/1000BASE-T port for management: 1 4. RS-232 serial console ports: 1	
4.	Power	1. Input voltage: 200-240 V AC, 50 Hz 2. Dual redundant power supply	
5.	Cooling	Redundant (N+1) fan module	
6.	Minimum system throughput	Non-blocking 2.08 Tbps	
7.	Minimum forwarding capacity	1.4Bpps (considering packet size of 200 bytes)	

8.	Minimum number of IPv4 host entries	50,000	
9.	Minimum number of MAC address entries	50,000	
10.	Output queues per port	8	
11.	Features	<ol style="list-style-type: none"> 1. Storm Control 2. Static routing 3. OSPF v1/v2 4. OSPF v3 5. IPv4 and IPv6 6. Bidirectional Forwarding Detection (BFD) 7. BGP for IPv4 and IPv6 8. Dynamic Host Configuration Protocol (DHCP) v4 and v6 relay 9. Protocol Independent Multicast PIM-SM, PIM-SSM 10. ECMP 11. Virtual Routing and Forwarding (VRF) 12. Ingress and egress L2-L4 access control lists (ACLs): <ol style="list-style-type: none"> a. - Port ACLs b. - VLAN ACLs c. - Router ACLs 13. QoS: <ol style="list-style-type: none"> a. Weighted random early detection (WRED) b. Low latency queuing with strict high priority c. Weighted round-robin (WRR) queuing 14. VXLAN 15. VXLAN L2 Gateway 16. VXLAN L3 Gateway 17. Ethernet VPN (EVPN)-VXLAN 18. EVPN multihoming OR equivalent 19. Management: <ol style="list-style-type: none"> a. SNMP v1/v2/v3 b. RADIUS c. TACACS+ d. SSHv2 20. 802.1D: Spanning Tree Protocol (STP) 21. 802.1w: Rapid Spanning Tree Protocol (RSTP) 22. 802.1s: Multiple Spanning Tree Protocol (MSTP) 	

12	Licenses	All the software and licenses required to meet the above switch specifications must be provided from day-1.	
Campus Leaf switch			
1.	Total quantity	14	
2.	Form Factor	1. Dimension: Maximum 2 RU rack height 2. Rack mountable, rack mounting kit to be supplied along with	
3.	Minimum number of Ports	1. 1GbE/10GbE ports: 48 2. 10/100/1000BASE-T port for management: 1 3. RS-232 serial console ports: 1	
4.	Power	3. Input voltage: 200-240 V AC, 50 Hz 4. Dual redundant power supply	
5.	Cooling	Redundant (N+1) fan module	
6.	Minimum system throughput	Non-blocking 960Gbps	
7.	Minimum forwarding capacity	0.65Bpps (considering packet size of 200 bytes)	
8.	Minimum number of IPv4 host entries	50,000	
9.	Minimum number of MAC address entries	50,000	
10.	Output queues per port	8	

11	Features	<ol style="list-style-type: none"> 1. Storm Control 2. Static routing 3. OSPF v1/v2 4. OSPF v3 5. IPv4 and IPv6 6. Bidirectional Forwarding Detection (BFD) 7. BGP for IPv4 and IPv6 8. Dynamic Host Configuration Protocol (DHCP) v4 and v6 relay 9. Protocol Independent Multicast PIM-SM, PIM-SSM 10. ECMP 11. Virtual Routing and Forwarding (VRF) 12. Ingress and egress L2-L4 access control lists (ACLs): <ol style="list-style-type: none"> a. - Port ACLs b. - VLAN ACLs c. - Router ACLs 13. QoS: <ol style="list-style-type: none"> a. Weighted random early detection (WRED) b. Low latency queuing with strict high priority c. Weighted round-robin (WRR) queuing 14. VXLAN 15. VXLAN L2 Gateway 16. VXLAN L3 Gateway 17. Ethernet VPN (EVPN)-VXLAN 18. EVPN multihoming OR equivalent 19. Management: <ol style="list-style-type: none"> a. SNMP v1/v2/v3 b. RADIUS c. TACACS+ d. SSHv2 20. 802.1D: Spanning Tree Protocol (STP) 21. 802.1w: Rapid Spanning Tree Protocol (RSTP) 22. 802.1s: Multiple Spanning Tree Protocol (MSTP) 	
12	Licenses	All the software and licenses required to meet the above switch specifications must be provided from day-1.	
Next Generation Firewall appliance			
1.	Total quantity	2 (1 in each DC, to be configured in Active-Active HA)	
2.	Form Factor	<ol style="list-style-type: none"> 1. Physical appliance based firewall 2. Dimension: Maximum 2 RU rack 	

		height 3. Rack mountable, rack mounting kit to be supplied along with	
3.	Make	OIL has layered security with appliances from Check Point Software Technologies installed in one of the layers. OIL needs multiple OEMs while implementing layered security, hence appliances from Check Point Software Technologies must not be offered as part of this solution.	
4.	Minimum number of Ports	1. 1GbE/10GbE SFP+ ports: 4 2. 10/100/1000BASE-T port for management: 1 3. RS-232 serial console ports: 1 Note : Any port required for HA connectivity must be supplied in addition to the above ports	
5.	Power	1. Input voltage: 200-240 V AC, 50 Hz 2. Dual redundant power supply	
6.	Cooling	Redundant (N+1) fan module	
7.	NGFW throughput (Definition of NGFW throughput in this context is throughput measured with application control, IPS, antivirus and antispysware turned on simultaneously with 64 KB HTTP/IMIX/appmix transactions)	Minimum 9 Gbps	
8.	Minimum connections per second	50 K	
9.	Minimum concurrent sessions	3 million	
10.	Maximum user support	Unrestricted	
11.	HA	Stateful failover in active/active and active/passive mode	
12.	Features	1. IPv4 and IPv6 2. OSPF v1/v2 3. OSPF v3 4. Bidirectional Forwarding Detection (BFD) 5. BGP for IPv4 and IPv6 6. Protocol Independent Multicast PIM-SM, PIM-SSM 7. IPS 8. Application Awareness and control 9. SSL/HTTPS inspection 10. User identity awareness 11. Anti-virus, antibot and anti-spyware capability 12. Web content filtering 13. Traffic Management and Quality of Service	

		14. Protection against zero-day threats 15. The firewalls shall be managed centrally via separate management component 16. SNMP v2 and v3	
13	Licenses and subscription	1. If any of the specification listed above requires purchase of separate software license and/or content update/signature update subscription apart from the base hardware, it must be specified in the technical specification response sheet and supplied along with the hardware devices. All the features of the firewall devices mentioned in the NIT must be available for use from day one and for a minimum period of seven (7) years from the date of commissioning of the hardware. 2. The bidder must supply and install the necessary software licenses and maintain the firewalls with latest available OEM published content updates/signatures. 3. The bidder must arrange for renewal of Content update/signature subscription annually for a period of seven (7) years from the date of commissioning of the hardware.	
<p>Compute Infrastructure</p> <ol style="list-style-type: none"> Virtualized compute infrastructure in each DC shall be used to host the following software components of the solution: <ol style="list-style-type: none"> Windows Server 2019 based DHCP server Network Management Platform NGFW Management component Necessary backup storage space/software required for backup management of the solution Local Network Time Protocol (NTP) server Any other software component needed in the solution At least one instance of the above software components will run in each DC such that software components are run in highly available manner. The compute infrastructure shall be composed of the following components: <ol style="list-style-type: none"> x86 Rack mount servers with local RAID protected storage Type-1 hypervisor The minimum technical specifications of the rack mount servers are listed below. If the bidder's proposed solution needs additional computing resources, they may quote additional rack mount servers in multiples of 2 or may offer servers with higher specifications. The bidder will supply all necessary licenses from day-1. 			

1.	Total quantity	Minimum 2 (1 in each DC) Bidder may quote additional rack mount servers in multiples of 2.
2.	Form Factor	1. Dimension: Maximum 1 RU rack height 2. Rack mountable, rack mounting kit to be supplied along with
3.	Processor	Two IntelXeon Scalable processors (minimum 16 cores per processor) with clock speed of minimum 2.6 GHz
4.	Memory	Minimum 256 GB
5.	Storage	SAS/SATA (HDD/SSD)configured in RAID 6, resulting in minimum 4 TB usable storage
6.	Power	Fully Redundant
7.	Cooling	Redundant fan module
8.	Network	10GE Port: Minimum 2
9.	Hypervisor	Type-1
10.	Licenses	All the software and licenses required to meet the above specifications must be provided from day-1.

Transceivers

1. The bidder shall supply transceivers as per the requirement stated in the following table.

2. The OEM of the transceivers must be the same as the OEM of the network switches to be supplied for this solution and must be compatible with the supplied network switches.

Data rate	Form Factor	Reach	Cable Type	Media	Connector Type	Quantity
40 Gbps	QSFP+	2 Km	Duplex Fiber	SMF	LC	16
10 Gbps	SFP+	300 m	Duplex Fiber	MMF	LC	200
10 Gbps	SFP+	10 Km	Duplex Fiber	SMF	LC	200
10/100/1000 Mbps	SFP	100 M	Cat5e/6A	Copper	RJ-45	100

Active Optical Cable

1. DC spine and leaf switches shall be installed in the same network rack in datacentres. QSFP+ to QSFP+ Active Optical Cables shall be used for connectivity between DC Spine and Leaves.

2. The bidder shall supply Active Optical Cables of required length (minimum 5 m) as per the following requirement:

AOC Cable type	Quantity
QSFP+ to QSFP+ Active Optical Cable (minimum 5 m length)	30

Self-contained Rack

1. The campus leaf switches shall be installed in the seven aggregation locations within the campus where ambient conditions and temperatures are not in control.

2. The switches in these aggregation locations will be housed inside self-contained racks with integrated UPS and cooling.

3. The bidder shall supply self-contained racks as per the following requirements:

1.	Total Quantity	7 (One in each aggregation locations within the campus)
2.	UPS	Inbuilt UPS within the rack with minimum capacity of 3 kVA and suitable batteries to provide 30 minutes of power backup
3.	Cooling	Inbuilt air conditioner designed to run 24*7 with the following capabilities: <ul style="list-style-type: none"> 1. HP/LP switch 2. Under/over voltage protection 3. Cooling capacity – Minimum 1 kW
4.	Usable rack space	Minimum 16U
5.	Rack PDU	Minimum 8 power outlets compatible with the supplied Campus leaf switches

Network Rack

1. The following devices will be housed in DC-1
 - a. DC-1 spine switches – 02
 - b. DC-1 leaf switches – 04
 - c. Campus spine switch – 01
 - d. NGFW firewall – 01
2. These devices housed in DC-1 shall be installed in a network rack to be supplied by the bidder. The devices housed in DC-2 shall be installed in a network rack to be provided by OIL
3. The bidder will supply network rack to be installed in DC-1 as per the following specifications:

1.	Total quantity	1
2.	Compliance	EIA-310 compliant
3.	Usable rack space	42U
4.	Rack PDU	Minimum 32 power outlets compatible with the supplied devices
5.	Panels	The supplied rack must include removable side panels, top and bottom covers with cable entry provisions.
6.	Doors	Front and rear with locks

ITEM NO 20: TRAINING – Quantity 01 AU.

1. The bidder must impart training on the supplied solution to at least 4 IT Personnel from OIL. The training must be conducted in two batches with 2 personnel each.
2. Each batch of the training shall include the following modules:
 - a. Supplied network switches and fundamentals of VXLAN, EVPN-BGP (minimum duration 5 days)
 - b. Supplied NGFW (minimum 3 days)
 - c. Supplied Network Management Platform (minimum 2 days)
3. The training content must include at least the following:

<ul style="list-style-type: none"> a. Features and capabilities of all the supplied product b. Administration and management of all the supplied product c. Troubleshooting and maintenance of all the supplied product d. Lab sessions <ol style="list-style-type: none"> 4. The bidder must arrange for necessary training infrastructure. The bidder is free to impart the training in any location of their choice in India. The training facility must be OEM authorized for imparting training on the offered solution. The training must be conducted by OEM certified instructor only. 5. Complete OEM published training material as per OEM curriculum must be provided either in hardcopy or softcopy to each participant. The training material provided must be standard course material provided as part of the course. The training material shall not be tailor-made for OIL. 6. Cost of transportation and accommodation of the OIL Personnel for training will be borne by OIL. 7. The training must be completed before commencement of the installation and commissioning of the solution. 8. Training cost has to be quoted separately. <p>ITEM NO:30 - Design, installation, integration, commissioning and user acceptance testing - QTY = 01 AU</p> <p>Design of the solution</p> <ol style="list-style-type: none"> 1. The bidder shall design the solution as per OIL's requirement. 2. Design of the solution must be completed within 60 days of placing the purchase order. 3. Design of the solution shall be done by a team of qualified engineers with requisite skillsets in the direct payroll of the bidder. The bidder shall not engage any 3rd party in the design activity. The design team must include: <ul style="list-style-type: none"> a. One solution architect (team lead) having relevant "Design Expert" level OEM certificate like CCDE/JNCDS or equivalent for the network switches. b. At least one member having relevant "Expert" level OEM certificate like CCIE/JNCIE or equivalent for the network switches. c. At least one member having relevant "Professional" level OEM certificate like CCNP/JNCIP or equivalent for the network switches. d. At least one member with relevant "Professional" level OEM certificate for NGFW devices. 4. The bidder must submit CVs of the proposed design team attested by the CEO/Head of HR along with copies of relevant professional certificates as per clause (2) above, along with the bid. 5. The design shall be done in the following phases: <ul style="list-style-type: none"> a. Phase-1 (Discovery and assessment) b. Phase-2 (Plan Development) 6. Following activities will comprise Phase-1 (Discovery and assessment) <ul style="list-style-type: none"> a. Capture and review current network design, configurations, state, usage, connected endpoints, application attributes/behaviours, etc. and map them to the proposed IP fabric design. b. Capture and review the current security policies and controls. c. Capture and review performance bottlenecks within the network. d. Collect and understand OIL's requirements. e. The findings of this phase shall be documented and submitted to OIL which will serve as the baseline for migration activity. 7. Following activities will comprise Phase-2 (Plan Development) 	
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<ul style="list-style-type: none"> a. Create a detailed Method of Procedure (MOP) for all migration phases, including all device configurations, safe stopping points, verification checks, and rollback procedures. b. The plan shall be designed to accelerate and optimize cutover times and mitigate migration-related risks. c. The findings of this phase shall be documented and will contain at least the following: <ul style="list-style-type: none"> i. High level design of the solution including the at least the following details: <ul style="list-style-type: none"> 1. Underlay design 2. Overlay design 3. Traffic flows between DCs and the campus network 4. Network segmentation 5. Security controls 6. High availability and redundancy details 7. QoS design 8. Any change required in existing endpoints/network devices ii. Detailed low-level design of the solution including at least the following <ul style="list-style-type: none"> 1. Physical topology with details of interconnected interfaces and endpoint connections 2. Network Management platform 3. The complete configuration of all the devices and components in the solution 4. Firewall management component with policies and rules 5. DHCP server configuration 6. NTP server configuration 7. Any change required in existing endpoints/network devices iii. User acceptance test (UAT) plan (covering all the technical requirements of the solution) to check and validate the solution post implementation. d. The documentation in this phase shall be submitted to OIL for approval. <p>Installation, integration, commissioning and user acceptance testing</p> <ul style="list-style-type: none"> 1. Installation and commissioning cost must be quoted separately. 2. Installation and commissioning of the entire solution shall be completed within 120 days of placing the purchase order. 3. The detailed design document must be submitted to OIL at least 15 days prior to commencing installation and commissioning activities. The actual implementation shall commence after review of the design document and go-ahead from OIL. 4. The bidder must clearly specify the rack space, power and cooling requirement of the offered solution, as a part of the technical bid. 5. Installation and commissioning of the solution has to be carried out by a team of OEM-certified installation engineers. 6. The bidder must submit CVs of the proposed installation team attested by the CEO/Head of HR along with copies of relevant OEM certificates as per clause (2) above, along with the bid. The submitted OEM certificate must meet the following requirements: <ul style="list-style-type: none"> a. The certificate must validate the ability of the Engineer to plan, 	
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<p>implement, verify and troubleshoot the supplied solution</p> <ol style="list-style-type: none"> b. The certificate must have been awarded by the OEM to the installation engineers after successful completion of an examination-based OEM curriculum c. The certificate must be verifiable with the OEM <p>7. The team of OEM-certified installation engineers must include:</p> <ol style="list-style-type: none"> a. At least one member having relevant “Expert” level OEM certificate like CCIE/JNCIE or equivalent for the network switches. b. At least one member having relevant “Professional” level OEM certificate like CCNP/JNCIP or equivalent for the network switches. c. At least one member with relevant “Professional” level OEM certificate for NGFW devices. <p>8. The team of installation engineers must be physically present on-site in Duliajan from day of commencement of installation and commissioning till the completion of installation and commissioning.</p> <p>9. The bidder shall be responsible for any configuration changes required in the existing equipment like router, switches, firewall, servers etc. to integrate the solution with the existing infrastructure.</p> <p>10. Cable dressing and management with tagging – The bidder will be responsible for cable dressing and management with tagging for all the interconnecting cables within the solution scope. Necessary Cable ties, cable channels and cable lacing cord, tag marker etc. must be supplied by the bidder.</p> <p>11. The bidder shall ensure proper electrical earthing during physical installation of the equipment.</p> <p>12. The UAT shall be conducted by the bidder in presence of OIL’s personnel as per the UAT Plan. After successful completion of UAT, the bidder shall submit detailed UAT report.</p> <p>13. The installation and commissioning of the solution shall be deemed complete when all of the following requirements are met:</p> <ol style="list-style-type: none"> a) Completion of delivery of all the items b) Completion of installation, configuration and integration for all the items c) Successful completion of User Acceptance Test d) Delivery of all the documentation e) Validation of the solution to ascertain that the implementation has been done as per the design document. 					
<p>ITEM NO:40 - Subscription to necessary content/signature updates, Quantity – 7 years</p> <ol style="list-style-type: none"> 1. The bidder must provide content update/signature updatesubscriptionfor the supplied NGFW firewalls for a period of 7 years from the date of successful commissioning of the solution as per the following schedule: <table border="1" data-bbox="237 1563 1270 1783"> <tr> <td data-bbox="237 1563 826 1675">Content update/signature updatesubscriptions for 1st year</td><td data-bbox="826 1563 1270 1675">To be provided on day-1 (installation and commissioning solution)</td></tr> <tr> <td data-bbox="237 1675 826 1783">Content update/signature updatesubscriptions from 2nd year till 7th year</td><td data-bbox="826 1675 1270 1783">To be provided before expir previous year’s subscription</td></tr> </table> <ol style="list-style-type: none"> 2. The cost for necessary content update/signature updatesubscriptionsfor a period of 7 years must be quoted separately. <p>ITEM NO 50:7-year Managed services for the solution, QUANTITY 1 AU</p> <ol style="list-style-type: none"> 1. The bidder shall provide comprehensive onsite support & maintenance services valid for a period of 7 (seven) years from the date of completion of installation and commissioning for the solution. 	Content update/signature updatesubscriptions for 1 st year	To be provided on day-1 (installation and commissioning solution)	Content update/signature updatesubscriptions from 2 nd year till 7 th year	To be provided before expir previous year’s subscription	
Content update/signature updatesubscriptions for 1 st year	To be provided on day-1 (installation and commissioning solution)				
Content update/signature updatesubscriptions from 2 nd year till 7 th year	To be provided before expir previous year’s subscription				

<ol style="list-style-type: none"> 2. Comprehensive support & maintenance shall cover repairs, spares, consumables and replacements necessary to keep all the equipment in good working order. 3. The bidder must enter into back-to-back agreement with the respective OEMs to provide comprehensive onsite support & maintenance services. The bidder must submit the back-to-back agreement certificate from OEM (at the time of commissioning) to substantiate that the supplied items (indicating their serial numbers) are covered under comprehensive onsite support for seven-year period. 4. All necessary tools, tackles and accessories required to manage the solution as per tender document shall be provided by the bidder, at no extra cost to OIL. 5. OIL shall NOT provide any transport facility or accommodation to the resident engineer / representative of the bidder. 6. The bidder shall provide the details of escalation matrix for the Managed Services Operation. 7. The bidder shall deploy at least two on-site Service Engineers at Duliajan meeting the following qualification and experience requirements. The bidder shall provide additional resources, if required; to maintain the desired SLAs: <ol style="list-style-type: none"> a. Qualification: Minimum graduate/Diploma in Engineering with relevant “Associate” level OEM certificate like CCNA/JNCIA or equivalent for the network switches. b. Experience: At least one-year experience in network administration 8. The on-site Service Engineers must be permanent employees of the bidder. 9. The on-site Service Engineers must reside in Duliajan and be available 24x7 in Duliajan to attend to any problems beyond normal office hours of OIL. 10. The onsite service engineers shall be the single point of contact for reporting any problem related to the offered solution. 11. The bidder must stock the following equipment at Duliajan during the entire duration of the managed service period. <ol style="list-style-type: none"> a. One additional unit of datacentre spine switch b. One additional unit of datacentre leaf switch c. One additional unit of campus spine switch 12. The stocked equipment as defined in the above clause no 11 shall be identical in specification to the corresponding devices installed in the solution such that the in the event of hardware failure of the corresponding device, stocked device can be configured to replace the failed device with minimum downtime. The stocked equipment shall be configured and tested at the time of installation and commissioning. 13. The bidder may stock spares for other critical components of the solution at Duliajan to meet the SLA requirements. 14. The cost for Managed services must be quoted separately. The bidder must mention the OEM part code for the comprehensive onsite support & maintenance services along with quantity in the unpriced bill of materials. 15. The bidder shall provide the following facilities to the on-site service engineers: <ol style="list-style-type: none"> a. Laptop computer b. Internet connectivity 16. In addition to the on-site Service Engineers, the bidder must have back-office facility for 24X7 remote support services for the supplied solution including all Hardware & Software. The bidder shall provide details of back-office along with the bid. 17. The bidder must have following certifications valid as on BC date: <ol style="list-style-type: none"> a. ISO 20000-1:2011 b. ISO 27001:2013 	
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The certifications must cover the location of the bidder which will be supporting the OIL's managed services. The bid must include details of their support centre along with the copy of the above certificates.

18. The bidder must have own relevant back office infrastructure (tools and qualified human resources) to provide support for Managed Services Operation. The bidder shall not hire/outsource the required back office capabilities from a 3rd party bidder.
19. The back-office team must comprise of at least the following personnel (in company's payroll for at least last 1 year from BC date):
 - a. At least two members having relevant "Expert" level OEM certificate like CCIE/JNCIE or equivalent for the network switches.
 - b. At least two members having relevant "Administrator" level OEM certificate like Palo Alto Networks Certified Network Security Administrator (PCNSA)/ Check Point Certified Security Administrator or equivalent for the NGFW firewall.
 - c. At least four members having relevant "Professional" level OEM certificate like CCNP/JNCIP or equivalent for the network switches.
20. The bidder must provide the following details regarding their back-office infrastructure to support the managed services operation along with the bid:
 - a. Organization of the support infrastructure with team consisting of certified professionals.
 - b. The bidder must submit CVs of the personnel attested by the CEO/Head of HR along with copies of OEM certificates in support of the clause no.19 above.
21. The bidder must follow a documented change management process for any activity in any component of the solution.
22. There shall be a joint review meeting between OIL and the bidder once every quarter to discuss issues, remedial actions, best practices pertaining to the solution.
23. The scope of the managed services will include the following:
 - a. Rectification of any defects, faults and failures in the hardware and software components in the solution.
 - b. Any failed device in the scope shall have to be repaired/ replaced with a new/ standby one within 120 hours of reporting the failure. Necessary configuration of the replacement device for proper operation of the device will be the responsibility of the bidder. Such replacement/repair activity shall not entail any additional cost to OIL apart from the fixed managed services fee payable quarterly.
 - c. Preventive Maintenance: Inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from the interior and exterior of the equipment, and necessary repair of the equipment at least once every calendar month.
 - d. Health and performance monitoring of the solution: Continuous monitoring of the health and performance parameters of the solution and take necessary corrective actions.
 - e. Firewall log monitoring and security policy administration: Continuous monitoring of the firewall logs and review and modification of security policies.
 - f. The on-site service engineers shall also be responsible for operating the existing Video conference endpoints at Duliajan.
 - g. Reporting: Submission of periodic report containing health and

- performance statistics of the solution, security events recorded in the Firewall logs and status of service requests for the week.
- h. Supply and implementation of any firmware/Operating System Update/software update/Patch released by the OEM. Such updates must be provided free of cost.
 - i. Troubleshooting of any network connectivity related issues (packet loss, latency, congestion etc.) in the endpoints connected to the IP fabrics.
 - j. Troubleshooting of any interoperability/integration issues with existing network components.
 - k. Configuration changes in the solution arising out of addition of new spine or leaf devices into the IP fabric, addition of new network segment, addition of new server devices in the datacentre, addition of new access switch, change in security policy, addition of a DHCP scope, 3rd party security audit recommendation etc.
 - l. Coordination with respective OEMs.
 - m. Backup and recovery management for the solution: Critical system files, configuration files or any necessary files which is needed to restore normal functionality of the solution in the event of any failure within the solution must be backed up. The bidder must provision and implement the necessary backup management component in the Compute Infrastructure of the solution.
 - n. Cable dressing and management with tagging
 - o. Software License management for the solution
 - p. Management/renewal of Content update/signature update subscriptions for the solution
 - q. Proactive monitoring and maintenance of the components of the self-contained racks including replacement of UPS batteries and air-conditioning components.
24. The managed services will be governed by the following service level agreement (SLA):
- a. All the activities in the scope of managed services shall be categorized into the following:
 - i. Service Request: Any operational/administrative job assigned to the Service Engineer by OIL as per the scope of the managed services for the solution.
 - ii. Software issue: Any defect, fault, failure, performance degradation, unavailability of services due to a software component in the solution.
 - iii. Hardware issue: Any defect, fault, failure, performance degradation, unavailability of services due to a hardware component in the solution.
 - b. Service Delivery Requirement: The following table defines the service delivery requirement for the solution:

Category	Maximum resolution time
Service Request	8 hours
Software issue	12 hours
Hardware issue	120 hours
 - c. Failure to meet any of the above resolution time requirements shall attract Non-Performance Deductions calculated as per the following:
0.25 % of quarterly fee for the managed services per additional 8-hour period against any service delivery category highlighted in the above table since the expiry of

<p>maximum resolution time allowed</p> <ul style="list-style-type: none"> d. In case bidder's service engineers do not report to duty and no substitute is provided, the following deduction would be made from the quarterly fee for Managed services charges. <ul style="list-style-type: none"> i. Rs.1000/- per day to a maximum of 10 days in a year (to be considered from the day of installation and commissioning) for each engineer. ii. 0.25 % of quarterly fee for the managed services shall be deducted per day per engineer for each day of absence beyond 10 days in the year. e. At no point of time, both the service engineers shall be absent from duty. f. At no point of time, both the service engineers shall be away from Duliajan after normal office hours of OIL. <p>25. OIL shall make quarterly payment to the bidder towards Managed services Cost after deducting the relevant non-performance deductions for the relevant quarter as explained in the above clauses. The successful bidder must submit appropriate invoices to HoD, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.</p>	
<p><u>ITEM NO. 20</u></p> <p><u>TRAINING – 01 AU</u></p> <ol style="list-style-type: none"> 1. The bidder must impart training on the supplied solution to at least 4 IT Personnel from OIL. The training must be conducted in two batches with 2 personnel each. 2. Each batch of the training shall include the following modules: <ol style="list-style-type: none"> a. Supplied network switches and fundamentals of VXLAN, EVPN-BGP (minimum duration 5 days) b. Supplied NGFW (minimum 3 days) c. Supplied Network Management Platform (minimum 2 days) 3. The training content must include at least the following: <ol style="list-style-type: none"> a. Features and capabilities of all the supplied product b. Administration and management of all the supplied product c. Troubleshooting and maintenance of all the supplied product d. Lab sessions 4. The bidder must arrange for necessary training infrastructure. The bidder is free to impart the training in any location of their choice in India. The training facility must be OEM authorized for imparting training on the offered solution. The training must be conducted by OEM certified instructor only. 5. Complete OEM published training material as per OEM curriculum must be provided either in hardcopy or softcopy to each participant. The training material provided must be standard course material provided as part of the course. The training material shall not be tailor-made for OIL. 6. Cost of transportation and accommodation of the OIL Personnel for training will be borne by OIL. 	

<p>7. The training must be completed before commencement of the installation and commissioning of the solution.</p> <p>8. Training cost has to be quoted separately.</p>	
<p><u>ITEM NO. 30</u></p> <p><u>DESIGN, INSTALLATION, INTEGRATION, COMMISSIONING AND USER ACCEPTANCE TESTING – 01 AU</u></p> <p>Design of the solution</p> <p>1. The bidder shall design the solution as per OIL's requirement.</p> <p>2. Design of the solution must be completed within 60 days of placing the purchase order.</p> <p>3. Design of the solution shall be done by a team of qualified engineers with requisite skillsets in the direct payroll of the bidder. The bidder shall not engage any 3rd party in the design activity. The design team must include:</p> <ul style="list-style-type: none"> a. One solution architect (team lead) having relevant "Design Expert" level OEM certificate like CCDE/JNCDS or equivalent for the network switches. b. At least one member having relevant "Expert" level OEM certificate like CCIE/JNCIE or equivalent for the network switches. c. At least one member having relevant "Professional" level OEM certificate like CCNP/JNCIP or equivalent for the network switches. d. At least one member with relevant "Professional" level OEM certificate for NGFW devices. <p>4. The bidder must submit CVs of the proposed design team attested by the CEO/Head of HR along with copies of relevant professional certificates as per clause (2) above, along with the bid.</p> <p>5. The design shall be done in the following phases:</p> <ul style="list-style-type: none"> a. Phase-1 (Discovery and assessment) b. Phase-2 (Plan Development) <p>6. Following activities will comprise Phase-1 (Discovery and assessment)</p> <ul style="list-style-type: none"> a. Capture and review current network design, configurations, state, usage, connected endpoints, application attributes/behaviours, etc. and map them to the proposed IP fabric design. b. Capture and review the current security policies and controls. c. Capture and review performance bottlenecks within the network. d. Collect and understand OIL's requirements. e. The findings of this phase shall be documented and submitted to OIL which will serve as the baseline for migration activity. <p>7. Following activities will comprise Phase-2 (Plan Development)</p> <ul style="list-style-type: none"> a. Create a detailed Method of Procedure (MOP) for all migration phases, including all device configurations, safe stopping points, verification checks, and rollback procedures. b. The plan shall be designed to accelerate and optimize cutover times and mitigate 	

<p>migration-related risks.</p> <p>c. The findings of this phase shall be documented and will contain at least the following:</p> <p>i. High level design of the solution including the at least the following details:</p> <ol style="list-style-type: none"> 1. Underlay design 2. Overlay design 3. Traffic flows between DCs and the campus network 4. Network segmentation 5. Security controls 6. High availability and redundancy details 7. QoS design 8. Any change required in existing endpoints/network devices <p>ii. Detailed low-level design of the solution including at least the following</p> <ol style="list-style-type: none"> 1. Physical topology with details of interconnected interfaces and endpoint connections 2. Network Management platform 3. The complete configuration of all the devices and components in the solution 4. Firewall management component with policies and rules 5. DHCP server configuration 6. NTP server configuration 7. Any change required in existing endpoints/network devices <p>iii. User acceptance test (UAT) plan (covering all the technical requirements of the solution) to check and validate the solution post implementation.</p> <p>d. The documentation in this phase shall be submitted to OIL for approval.</p> <p>10.3.2 Installation, integration, commissioning and user acceptance testing</p> <ol style="list-style-type: none"> 1. Installation and commissioning cost must be quoted separately. 2. Installation and commissioning of the entire solution shall be completed within 120 days of placing the purchase order. 3. The detailed design document must be submitted to OIL at least 15 days prior to commencing installation and commissioning activities. The actual implementation shall commence after review of the design document and go-ahead from OIL. 4. The bidder must clearly specify the rack space, power and cooling requirement of the offered solution, as a part of the technical bid. 5. Installation and commissioning of the solution has to be carried out by a team of OEM-certified installation engineers. 6. The bidder must submit CVs of the proposed installation team attested by the CEO/Head of HR along with copies of relevant OEM certificates as per clause (2) above, along with the bid. The submitted OEM certificate must meet the following requirements: <ol style="list-style-type: none"> a. The certificate must validate the ability of the Engineer to plan, implement, verify and troubleshoot the supplied solution b. The certificate must have been awarded by the OEM to the installation engineers after successful completion of an examination-based OEM curriculum c. The certificate must be verifiable with the OEM 7. The team of OEM-certified installation engineers must include: <ol style="list-style-type: none"> a. At least one member having relevant "Expert" level OEM certificate like 	
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<p>CCIE/JNCIE or equivalent for the network switches.</p> <p>b. At least one member having relevant "Professional" level OEM certificate like CCNP/JNCIP or equivalent for the network switches.</p> <p>c. At least one member with relevant "Professional" level OEM certificate for NGFW devices.</p> <p>8. The team of installation engineers must be physically present on-site in Duliajan from day of commencement of installation and commissioning till the completion of installation and commissioning.</p> <p>9. The bidder shall be responsible for any configuration changes required in the existing equipment like router, switches, firewall, servers etc. to integrate the solution with the existing infrastructure.</p> <p>10. Cable dressing and management with tagging - The bidder will be responsible for cable dressing and management with tagging for all the interconnecting cables within the solution scope. Necessary Cable ties, cable channels and cable lacing cord, tag marker etc. must be supplied by the bidder.</p> <p>11. The bidder shall ensure proper electrical earthing during physical installation of the equipment.</p> <p>12. The UAT shall be conducted by the bidder in presence of OIL's personnel as per the UAT Plan. After successful completion of UAT, the bidder shall submit detailed UAT report.</p> <p>13. The installation and commissioning of the solution shall be deemed complete when all of the following requirements are met:</p> <ol style="list-style-type: none"> Completion of delivery of all the items Completion of installation, configuration and integration for all the items Successful completion of User Acceptance Test Delivery of all the documentation Validation of the solution to ascertain that the implementation has been done as per the design document. 	
<p><u>ITEM NO. 40</u></p> <p><u>SUBSCRIPTION TO NECESSARY CONTENT/SIGNATURE UPDATES – QTY</u> <u>= 01 AU</u></p> <p>1. The bidder must provide content update/signature update subscription for the supplied NGFW firewalls for a period of 7 years from the date of successful commissioning of the solution as per the following schedule: Content update/signature update subscriptions for 1st year To be provided on day-1 (Date of installation and commissioning of the solution)</p> <p>Content update/signature update subscriptions from 2nd year till 7th year To be provided before expiry of the previous year's subscription</p> <p>2. The cost for necessary content update/signature update subscriptions for a period of 7 years must be quoted separately.</p>	

<p><u>ITEM NO. 50</u></p> <p><u>7-YEAR MANAGED SERVICES FOR THE SOLUTION – QTY = 01 AU</u></p> <ol style="list-style-type: none"> 1. The bidder shall provide comprehensive onsite support & maintenance services valid for a period of 7 (seven) years from the date of completion of installation and commissioning for the solution. 2. Comprehensive support & maintenance shall cover repairs, spares, consumables and replacements necessary to keep all the equipment in good working order. 3. The bidder must enter into back-to-back agreement with the respective OEMs to provide comprehensive onsite support & maintenance services. The bidder must submit the back-to-back agreement certificate from OEM (at the time of commissioning) to substantiate that the supplied items (indicating their serial numbers) are covered under comprehensive onsite support for seven-year period. 4. All necessary tools, tackles and accessories required to manage the solution as per tender document shall be provided by the bidder, at no extra cost to OIL. 5. OIL shall NOT provide any transport facility or accommodation to the resident engineer / representative of the bidder. 6. The bidder shall provide the details of escalation matrix for the Managed Services Operation. 7. The bidder shall deploy at least two on-site Service Engineers at Duliajan meeting the following qualification and experience requirements. The bidder shall provide additional resources, if required; to maintain the desired SLAs: <ol style="list-style-type: none"> a. Qualification: Minimum graduate/Diploma in Engineering with relevant "Associate" level OEM certificate like CCNA/JNCIA or equivalent for the network switches. b. Experience: At least one-year experience in network administration 	

<p>8. The on-site Service Engineers must be permanent employees of the bidder.</p> <p>9. The on-site Service Engineers must reside in Duliajan and be available 24x7 in Duliajan to attend to any problems beyond normal office hours of OIL.</p> <p>10. The onsite service engineers shall be the single point of contact for reporting any problem related to the offered solution.</p> <p>11. The bidder must stock the following equipment at Duliajan during the entire duration of the managed service period.</p> <ol style="list-style-type: none"> One additional unit of datacentre spine switch One additional unit of datacentre leaf switch One additional unit of campus spine switch <p>12. The stocked equipment as defined in the above clause no 11 shall be identical in specification to the corresponding devices installed in the solution such that the in the event of hardware failure of the corresponding device, stocked device can be configured to replace the failed device with minimum downtime. The stocked equipment shall be configured and tested at the time of installation and commissioning.</p> <p>13. The bidder may stock spares for other critical components of the solution at Duliajan to meet the SLA requirements.</p> <p>14. The cost for Managed services must be quoted separately. The bidder must mention the OEM part code for the comprehensive onsite support & maintenance services along with quantity in the unpriced bill of materials.</p> <p>15. The bidder shall provide the following facilities to the on-site service engineers:</p> <ol style="list-style-type: none"> Laptop computer Internet connectivity <p>16. In addition to the on-site Service Engineers, the bidder must have back-office facility for 24X7 remote support services for the supplied solution including all Hardware & Software. The bidder shall provide details of back-office along with the bid.</p> <p>17. The bidder must have following certifications valid as on BC date:</p> <ol style="list-style-type: none"> ISO 20000-1:2011 ISO 27001:2013 <p>The certifications must cover the location of the bidder which will be supporting the OIL's managed services. The bid must include details of their support centre along with the copy of the above certificates.</p> <p>18. The bidder must have own relevant back office infrastructure (tools and qualified human resources) to provide support for Managed Services Operation. The bidder shall not hire/outsourced the required back office capabilities from a 3rd party bidder.</p> <p>19. The back-office team must comprise of at least the following personnel (in company's payroll for at least last 1 year from BC date):</p> <ol style="list-style-type: none"> At least two members having relevant "Expert" level OEM certificate like CCIE/JNCIE or equivalent for the network switches. 	
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<p>b. At least two members having relevant "Administrator" level OEM certificate like Palo Alto Networks Certified Network Security Administrator (PCNSA)/ Check Point Certified Security Administrator or equivalent for the NGFW firewall.</p> <p>c. At least four members having relevant "Professional" level OEM certificate like CCNP/JNCIP or equivalent for the network switches.</p> <p>20. The bidder must provide the following details regarding their back-office infrastructure to support the managed services operation along with the bid:</p> <p>a. Organization of the support infrastructure with team consisting of certified professionals.</p> <p>b. The bidder must submit CVs of the personnel attested by the CEO/Head of HR along with copies of OEM certificates in support of the clause no. 19 above.</p> <p>21. The bidder must follow a documented change management process for any activity in any component of the solution.</p> <p>22. There shall be a joint review meeting between OIL and the bidder once every quarter to discuss issues, remedial actions, best practices pertaining to the solution.</p> <p>23. The scope of the managed services will include the following:</p> <p>a. Rectification of any defects, faults and failures in the hardware and software components in the solution.</p> <p>b. Any failed device in the scope shall have to be repaired/ replaced with a new/ standby one within 120 hours of reporting the failure. Necessary configuration of the replacement device for proper operation of the device will be the responsibility of the bidder. Such replacement/repair activity shall not entail any additional cost to OIL apart from the fixed managed services fee payable quarterly.</p> <p>c. Preventive Maintenance: Inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from the interior and exterior of the equipment, and necessary repair of the equipment at least once every calendar month.</p> <p>d. Health and performance monitoring of the solution: Continuous monitoring of the health and performance parameters of the solution and take necessary corrective actions.</p> <p>e. Firewall log monitoring and security policy administration: Continuous monitoring of the firewall logs and review and modification of security policies.</p> <p>f. The on-site service engineers shall also be responsible for operating the existing Video conference endpoints at Duliajan.</p> <p>g. Reporting: Submission of periodic report containing health and performance statistics of the solution, security events recorded in the Firewall logs and status of service requests for the week.</p> <p>h. Supply and implementation of any firmware/Operating System Update/software update/Patch released by the OEM. Such updates must be provided free of cost.</p> <p>i. Troubleshooting of any network connectivity related issues (packet loss, latency, congestion etc.) in the endpoints connected to the IP fabrics.</p>	
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j. Troubleshooting of any interoperability/integration issues with existing network components.

k. Configuration changes in the solution arising out of addition of new spine or leaf devices into the IP fabric, addition of new network segment, addition of new server devices in the datacentre, addition of new access switch, change in security policy, addition of a DHCP scope, 3rd party security audit recommendation etc.

l. Coordination with respective OEMs.

m. Backup and recovery management for the solution: Critical system files, configuration files or any necessary files which is needed to restore normal functionality of the solution in the event of any failure within the solution must be backed up. The bidder must provision and implement the necessary backup management component in the Compute Infrastructure of the solution.

n. Cable dressing and management with tagging

o. Software License management for the solution

p. Management/renewal of Content update/signature update subscriptions for the solution

q. Proactive monitoring and maintenance of the components of the self-contained racks including replacement of UPS batteries and air-conditioning components.

24. The managed services will be governed by the following service level agreement (SLA):

a. All the activities in the scope of managed services shall be categorized into the following:

- i. Service Request: Any operational/administrative job assigned to the Service Engineer by OIL as per the scope of the managed services for the solution.
- ii. Software issue: Any defect, fault, failure, performance degradation, unavailability of services due to a software component in the solution.
- iii. Hardware issue: Any defect, fault, failure, performance degradation, unavailability of services due to a hardware component in the solution.

b. Service Delivery Requirement: The following table defines the service delivery requirement for the solution:

Category	Maximum resolution time
Service Request	8 hours
Software issue	12 hours
Hardware issue	120 hours

c. Failure to meet any of the above resolution time requirements shall attract Non-Performance Deductions calculated as per the following:

0.25 % of quarterly fee for the managed services per additional 8-hour period against any service delivery category highlighted in the above table since the expiry of

<p>maximum resolution time allowed</p> <p>d. In case bidder's service engineers do not report to duty and no substitute is provided, the following deduction would be made from the quarterly fee for Managed services charges.</p> <p>i. Rs.1000/- per day to a maximum of 10 days in a year (to be considered from the day of installation and commissioning) for each engineer.</p> <p>ii. 0.25 % of quarterly fee for the managed services shall be deducted per day per engineer for each day of absence beyond 10 days in the year.</p> <p>e. At no point of time, both the service engineers shall be absent from duty.</p> <p>f. At no point of time, both the service engineers shall be away from Duliajan after normal office hours of OIL.</p> <p>25. OIL shall make quarterly payment to the bidder towards Managed services Cost after deducting the relevant non-performance deductions for the relevant quarter as explained in the above clauses. The successful bidder must submit appropriate invoices to HoD, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.</p>	
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SPECIAL TERMS AND CONDITIONS:

Following attachments must be included in the tender:

1. Annexure-1(unpriced-BOQ-template).xlsx
2. Annexure-2(bidders-response-sheet).xlsx
3. Annexure-3 (NDA).pdf
4. Annexure-4 (current network infrastructure).pdf
5. Annexure-5 (Proposed network infrastructure).pdf

----- Introduction

The primary data center (PDC) of OIL is located at Field Head Quarters (FHQ), Duliajan, Assam and secondary data center is located at Corp HQ, Noida. OIL is building its 3rd data center (Near DR, NDR) in close proximity to its primary data centre at Field Headquarters, Duliajan. Both the data centres in Duliajan will act in Active-Active manner.

OIL intends to:

- Upgrade its existing network infrastructure in the primary data center
- Build the network infrastructure for the 3rd data center
- Upgrade Core and Distribution layers in the campus network of Field Headquarters, Duliajan

OIL's primary business applications are centrally hosted in the primary data centre at Duliajan currently. All end users of OIL access this data center from various branch locations of OIL spread across India and overseas. OIL shall deploy all its applications in high available fashion across its PDC and the proposed NDR in order to ensure maximum availability of the hosted applications.

The proposed network infrastructure sought to be implemented through this tender should meet the above functional requirement. Due to business-critical nature of this project, OIL solicits bids from reputed and capable bidders to meet all tender requirements.

1 Scope of Work

The scope of work includes the following:

- a) Supply of physical appliances, software and necessary licenses
- b) Training
- c) Design, installation, integration, commissioning and user acceptance testing
- d) Subscription to necessary content/signature updates
- e) Managed services for the entire solution for a period of seven years

2 Delivery Terms

1. Delivery of items must be completed within 60 days of placing the purchase order.
2. The bidder must provide soft copy or hard copy of the OEM product documentation and configuration manual at the time of delivery.
3. The bidder must provide list of supplied inventories along with OEM serial number/service tag at the time of delivery.
4. All the required software licenses must be provided in soft or hard copy at the time of delivery.
5. All the supplied software licenses must be perpetual in nature without any requirement for renewal.
6. All the necessary content/signature update licenses (for e.g. firewall signature updates etc.) must be renewed every year annually for a period of 7 years from the date of successful commissioning of the solution.
7. All the hardware specifications and quantity to be supplied are minimum tender requirement only. If the bidder's proposed solution requires additional/higher specifications and/or higher quantity and/or any additional software/license/hardware, the bidder may include them in the proposed solution and specify under "ANY OTHER ITEMS"
8. Documentation Deliverables: The following are the documentation deliverables to be submitted by the bidder during various stages of the implementation of the solution:

Project kick-off meeting

Project Execution Plan

During delivery of equipment and software

1. OEM product documentation and configuration manual
2. List of supplied inventories
3. Software licenses

After completion of design phase

Design documents:

1. HLD
2. LLD
3. UAT Plan

Training

OEM published training material

Before commencement of Installation and commissioning

OEM certificates for the installation engineers

At the time of commissioning

1. UAT report
 2. Copy of Back-to-back agreement with respective OEMs regarding support and maintenance of the supplied items
 3. Qualification and experience credentials of the on-site service engineer
 4. Content update/signature update subscriptions for 1st year
 9. Bill of Materials: The bidder shall supply the items as per the bill of materials specified in Annexure-1.
- 3 Special Terms

1. The bidder must submit manufacturer's authorization letter (MAF) from their respective OEMs for Network switches and NGFW firewall to quote against this tender. MAF must include authorized personnel contact details: Email address and Phone number.
2. The bidder must confirm that the OEM, whose product/solution is being proposed, must have the Technical Support Centre in India for providing 24x7x365 technical support.
3. The bidder shall quote for all the items as specified in tender. Partial offers will be considered as non-responsive and will be rejected.
4. Bidder's quote for the annual recurring cost exclusive of tax (Total annual cost for line items 40 and 50) shall not be less than 10% of the bidder's quote for the capital cost exclusive of tax (Total cost for line items 10, 20 and 30). Bids not conforming to this clause shall be rejected.
5. The bidder must provide unpriced bill of materials (with details of make, model and quantity for each of the item) along with the bid. This must include additional software/feature licenses needed to meet the solution requirements. The bill of materials must contain details of all the items listed in clause 2.9. The unpriced bill of materials must be submitted as per the template defined in Annexure-1.
6. All the network switches shall be from the same OEM.
7. The bidder must provide technical details of their offered solution by filing in the Bidder's Response Sheet - Annexure-2. The bidder must ensure that information in Annexure-2 is complete and correct.
8. The bidder must submit relevant product brochure/manual/documentation for all the quoted items. Technical scrutiny to determine compliance of the quoted items against the specification given in the tender shall be done on the basis of submitted product brochure/manual/documentation along with the information given by the bidder in Bidder's Response Sheet - Annexure-2.
9. All the technical requirements of the tender must be met in totality by the quoted items as on bid closing date.
10. Bidders shall confirm that their OEMs will provide support during the entire duration of the purchase order, i.e. up to 7 years of AMS support.
11. The proposed solution (including all the Hardware and software) must have minimum of seven years of end of support from the date of bid closing. Respective OEM documentation (Hardware as well as software) to this effect must be submitted along with the bid. OEM's declared end-of-support literature must mention the availability of Hardware spares for next seven years.
12. A pre-bid conference for this tender will be held in Duliajan to discuss queries/amendment requests with prospective bidders. The bidder must submit queries/amendment requests to OIL by E-mail at least five days prior to Pre-bid conference. Date and venue of the pre-bid conference shall be notified later. No queries/amendment requests/request for extension of BC date shall be entertained after the pre-bid conference.

13. The bidder has to make his own arrangements for transportation and accommodation of its personnel when visiting various locations of OIL within the scope of the solution.

4 Project Management Terms

1. The bidder must adhere to the following project timeline:

Project Milestone: Supply of all hardware and software items

Completion deadline in days since placement of Purchase Order: 60 days

Prerequisite Condition: None

Project Milestone: Solution Design

Completion deadline in days since placement of Purchase Order: 60 days

Prerequisite Condition: None

Project Milestone: Training

Completion deadline in days since placement of Purchase Order: None

Prerequisite Condition: None

Project Milestone: Installation and Commissioning, completion of UAT

Completion deadline in days since placement of Purchase Order: 120 days

Prerequisite Condition:

1. Training must be completed
2. The solution design must be approved by OIL
3. Details of installation team shared with OIL

Project Milestone: Start of Managed services

Prerequisite Condition:

1. Completion of installation and commissioning
2. Completion of all deliverables
2. The bidder shall designate one of its suitably qualified personnel as the Project Manager (PM) for execution of this project. The PM shall be the single point of contact for OIL regarding the execution of the project.

3. The PM shall be on-site in Duliajan during the installation, commissioning and UAT phase.
4. The bidder shall commence the project activities after placement of PO by arranging a kick-off meeting wherein the bidder will share the detailed project execution plan with OIL.

5 Penalty Terms

1. Penalty terms for not meeting the SLAs of Managed service are defined in the scope of the Managed Services.
2. Maximum penalty for non-performance deduction in a quarter will not exceed 15% of the total managed services charges for a quarter.
3. Penalty due to delay in Installation and Commissioning: If installation and commissioning is delayed beyond 120 days of placing the purchase order for reasons not attributable to OIL, an amount at the rate of 0.5% per day would be recovered from the remaining 30% of payment against delivery. However, the recoverable amount would not exceed 25% of the remaining amount against delivery (i.e. 30 % of payment against the Hardware and software cost of the solution).

6 Payment Terms

1. Payment against the Hardware and software cost of the solution will be as per the following schedule:
 - a. 70% - After delivery of material (hardware, software and licenses)
 - b. 30% - After completion of installation and commissioning AND successful completion of training modules.
2. Total training charges will be paid on submission of consolidated training invoice after successful completion of training modules.
3. Installation and commissioning charges will be paid on submission of invoices after successful commissioning of the solution.
4. Managed services charges will be paid quarterly after completion of the quarter. The bidder must submit appropriate invoices to HoD, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.
5. Charges for content update/signature update subscriptions (for e.g. firewall signature updates etc.) for a duration of 7 years will be paid yearly after delivery of the necessary subscriptions for the year. The bidder must submit appropriate invoices to HoD, IT Department, Oil India Limited, Duliajan, Assam - 786602, on an annual basis, clearly mentioning the OIL Purchase Order no. and period of billing.

7 Confidentiality Agreement

OIL Confidentiality and Non-Disclosure Agreement (NDA) will be applicable and bidder has to submit Non-Disclosure Agreement as per given format in Annexure-3 duly signed & Sealed by the authorized signatory of the bidder, along with the bid.

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

LINE ITEM NO	SL. NO	ITEM DESCRIPTION	MAKE	MODEL	OEM SKU/PART CODE	UNIT OF MEASUREMENT	QUANTITY
10	1	Datacentre spine switch				Number	4
	2	Datacentre leaf switch				Number	8
	3	Campus spine switch				Number	2
	4	Campus leaf switch				Number	14
	5	NGFW Firewall appliance				Number	2
	6	Rack mount server				Number	02 (minimum quantity)
	7	QSFP+ SMF transceiver (minimum 2 Km reach)				Number	16
	8	SFP+ SMF transceiver (minimum 300 m reach)				Number	200
	9	SFP+ SMF transceiver (minimum 10 Km reach)				Number	200
	10	10/100/1000 Mbps Copper SFP (minimum 100 m reach)				Number	100
	11	QSFP+ to QSFP+ Active Optical Cable (minimum 5 m length)				Number	30
	12	Self-contained rack with integrated cooling and UPS				Number	7
	13	42 U Network rack				Number	1
	14	Any license required for Datacentre spine switch				AU	1
	15	Any license required for Datacentre leaf switch				AU	1
	16	Any license required for Campus spine switch				AU	1
	17	Any license required for Campus leaf switch				AU	1
	18	Any license required for NGFW firewalls				AU	1
	19	Licenses for type-1 hypervisor				AU	1
	20	Any license needed for Linux based NTP server				AU	1
	21	Windows Server 2019 licenses for DHCP servers				AU	1
	22	Licenses for Network management platform				AU	1
	23	Any other items				AU	1
20	1	Training				AU	1
30	1	Design, installation, integration, commissioning and user acceptance testing				AU	1
40	1	Content/signature update subscription for NGFW				years	7
50	1	Managed services for the entire solution				months	84

NON-DISCLOSURE AGREEMENT

BETWEEN

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

AND

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

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

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

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

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

ARTICLE 1. DEFINITION

For the purpose of this Agreement,

ARTICLE-1: CONFIDENTIAL INFORMATION

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

ARTICLE 2. CONFIDENTIALITY

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

The Receiving Party agrees in particular:

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

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

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

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

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

ARTICLE 3. EXCEPTIONS

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

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

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

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

ARTICLE 4. RETURN OF DOCUMENTS

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

ARTICLE 5. NO OTHER RIGHTS OR OBLIGATIONS

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

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

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

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

ARTICLE 6. NO WAIVER OF RIGHT ON DELAY

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

ARTICLE 7. APPLICABLE LAW – JURISDICTION

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

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

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

ARTICLE 8. DURATION

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

ARTICLE 9. COMPLETE AGREEMENT

The Parties agree that this Agreement (i) is the complete and exclusive statement between the Parties with respect to the protection of the confidentiality of Confidential Information, (ii) supersedes all related discussions and other communications between the Parties, and (iii) may only be modified in writing by authorized representatives of the Parties.

ARTICLE 10. PUBLICATIONS

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

ARTICLE 11. REMEDIES

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

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

Made on _____, at _____ (Place)

On behalf of OIL

On behalf of _____

Signature : _____

Signature : _____

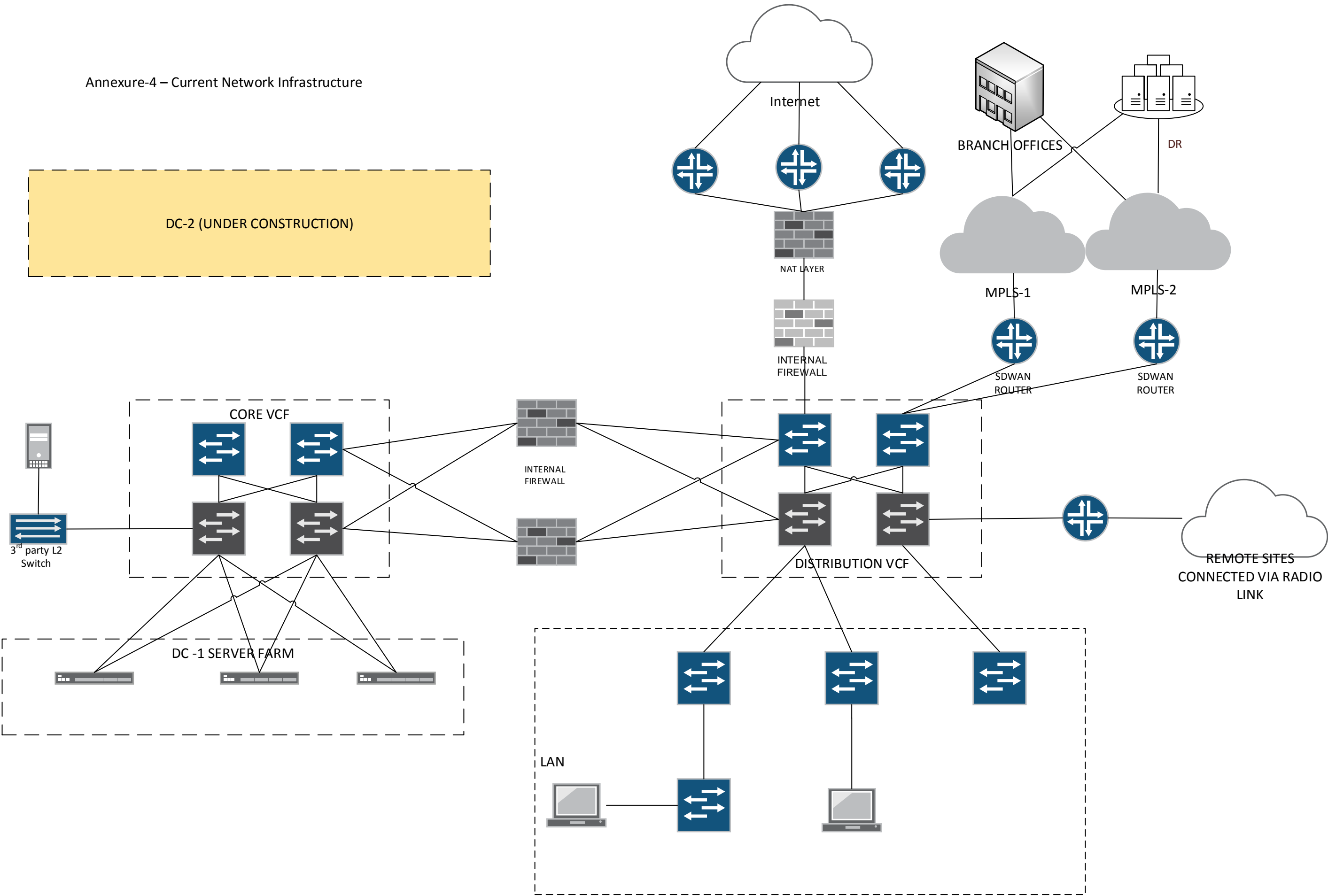
Name:

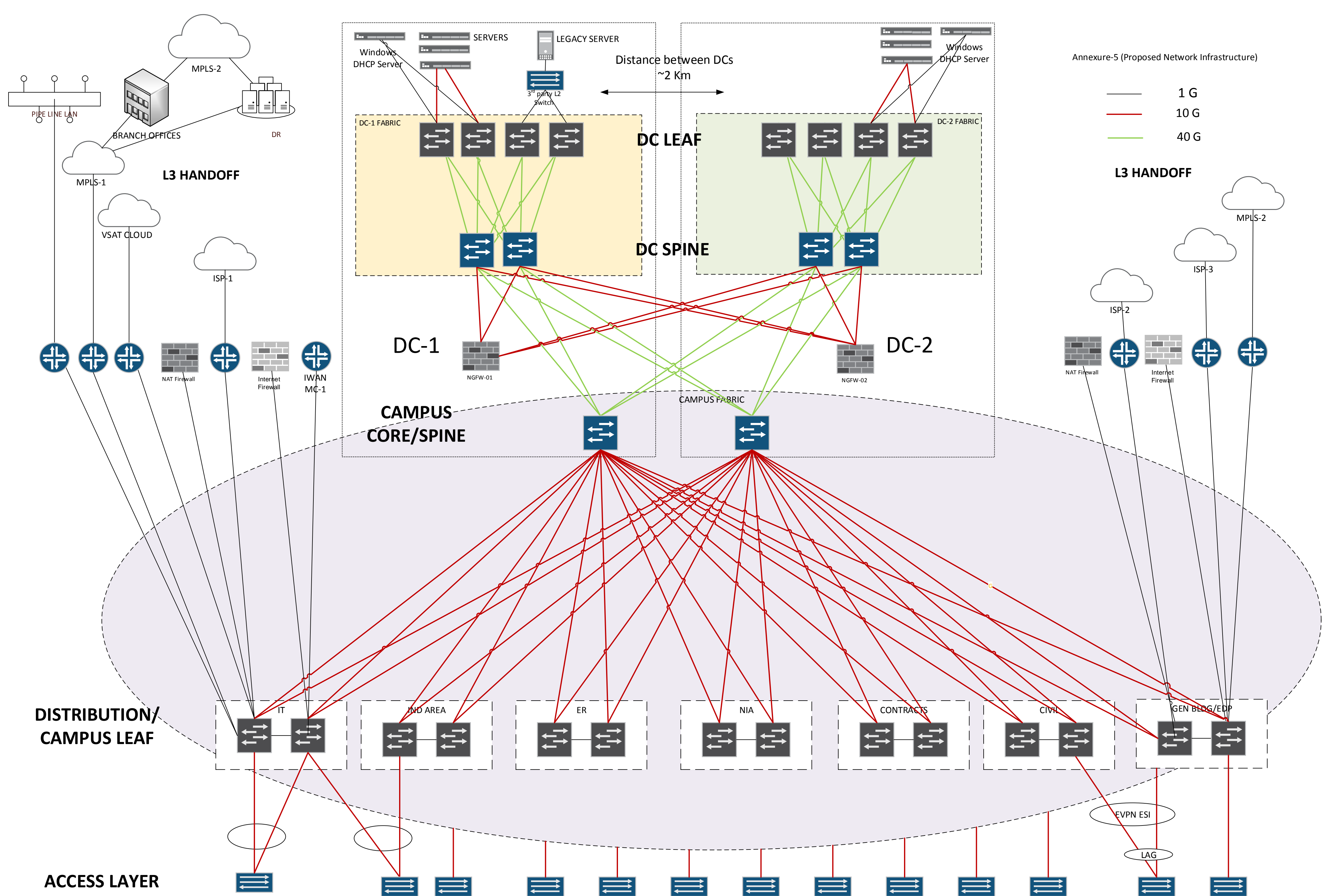
Name:

Designation:

Designation:

Annexure-4 – Current Network Infrastructure





INTEGRITY PACT

Between

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

And

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

Preamble:

The Principal intends to award, under laid down organizational procedures, contract/s for **SDI4073P20**. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

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

Section: 1 -Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.

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3. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a Page 2 of 6 substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section: 2 -Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, Subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

3. The Bidder/Contractor will not commit any offence under the relevant Anticorruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(3) The Bidder/Contractor signing Integrity Pact shall not approach the Courts while representing the matters to IEMs and he/she will await their decision in the matter.

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

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

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
2. The Bidder accepts and undertakes to respect and uphold the Principal's Absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
3. If the Bidder/Contractor can prove that he has restored/recouped the Damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.
4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.
5. Integrity Pact, in respect of a particular contract, shall be operative from the date Integrity Pact is signed by both the parties till the final completion of the contract **or as mentioned in Section 9- Pact Duration whichever is later.** Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings

Section 4 -Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit / Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to Security Deposit / Performance Bank Guarantee.

3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 -Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

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

1. The Principal will enter into Pacts on identical terms with all bidders and contractors.

2. The Bidder / Contractor undertake(s) to procure from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the provisions laid down in this agreement/Pact by any of its sub-contractors/sub-vendors.

3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

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

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

Section: 8 -External Independent Monitor/Monitors

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

ANNEXURE- DDD

him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

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

8. The word 'Monitor' would include both singular and plural.

Section:9 -Pact Duration

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

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

Section:10 -Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi. The Arbitration clause provided in the main tender document / contract shall not be applicable for any issue / dispute arising under Integrity Pact.

2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

N M KAKATI
SMM (IP)

.....
For the Principal

.....
For the Bidder/Contractor

Witness 1:

Witness 2:

Place. DULIAJAN
Date . 15.03.2020

Technical Bid Checklist**Annexure-EEE**

Tender No.			
Bidder's Name :			
BEC / TENDER REQUIREMENTS		Compliance by Bidder	
SL. NO.		Indicate 'Confirmed' / 'Not Confirmed' / Not applicable	Indicate Corresponding page ref. of unpriced bid or Comments
1	Confirm that validity has been offered as per NIT.		
2	Confirm that Bid Security / Earnest Money has been submitted as per NIT (Wherever Applicable) ?		
3	Confirm that you shall submit Performance security (in the event of placement of order) (Wherever Applicable) ?		
4	Confirm that duly signed Integrity Pact has been submitted as per NIT (Wherever Applicable) ?		
5	Confirm that you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)		
6	Confirm that you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.		
7	Confirm that the bid has been signed using Class 3 digital certificate with Organisation's Name as per NIT.		
8	Confirm that you have not taken any exception/deviations to the NIT .		

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of the purchase order cited above.

Response Sheet**Annexure-FFF**

Tender No.
Bidders Name

Bidders Response Sheet

SI No.	Description	Remarks
1	Place of Despatch	
2	Whether Freight charges have been included in your quoted prices	
3	Whether Insurance charges have been included in your quoted prices	
4	Make of quoted Product	
5	Offered Validity of Bid as per NIT	
6	Bid Security Submitted (if applicable)	
6	Details of Bid Security Submitted to OIL (if applicable)	
	a) Bid Security Amount (In Rs):	
	b) Bid Security Valid upto:	
7	Whether you shall submit Performance Security in the event of placement of order on you (if applicable)	
8	Integrity Pact Submitted (if applicable)	
9	Whether you have submitted documentary evidence of successfully executing one Purchase order as stipulated in NIT in any of the preceding 5 financial years (*)	
10	Whether you have submitted Balance Sheet and Profit and Loss Account of any of the preceding 3 financial years certified by a chartered accountant.	
11	Delivery Period in weeks from placement of order	
12	Complied to Payment terms of NIT (if applicable) otherwise to Standard Payment Terms of OIL or not.	
13	If bidder is MSE whether you have quoted your own product	
14	If Bid security submitted as Bank Guarantee, Name and Full Address of Issuing Bank including Telephone, Fax Nos and Email id of branch manager	

NOTE: Please fill up the greyed cells only.

(*) Purchase Orders along with copies of any of the documents in respect of satisfactory execution of the Purchase Orders should be submitted – (i) Satisfactory Inspection Report (OR) (ii) Satisfactory Supply Completion / Installation Report (OR) (iii) Consignee Receipted Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory

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

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

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

Office Seal

.....
Signature of Vendor

Counter Signed by Banker:
Seal of Bank:

Enclosure: Self attested photocopies of the following documents-

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