

ANNEXURE-II

OIL INDIA LIMITED

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

INVITATION FOR BID NATIONAL COMPETITIVE BID

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

E-Tender No.	Bid Closing / Opening Date	Item
SDI4694P18	29.06.2017	INFRARED CAMERA - QTY = 01 NO
SDI4697P18	29.06.2017	NEXT GENERATION FIREWALL – QTY = 12 NOS

Kind Attention : E-Tender No. SDI4604P18 for INFRARED CAMERA - QTY= 01 NO which was advertised in Press through Notification dated 09.05.2017 has been cancelled. In lieu of this fresh E-tender No. SDI4694P18 dated 13.05.2017 has been floated. May please refer to OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website www.oil-india.com for further details.

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

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



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

TELEPHONE NO. (91-374) 2808719

FAX NO: (91-374) 2800533

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

FORWARDING LETTER

Tender No. : SDI4697P18 DT: 13.05.2017

Tender Fee : Rs 1,000.00

Bid Security : Applicable

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Tender Type : Open Tender

Bid Closing / Opening on : As mentioned in the e-portal

Performance Security : Applicable

Integrity Pact : Applicable

OIL invites Bids for **SUPPL, INSTALLATION & COMMISSIONING, TRAINING AND AMS OF NEXT GENERATION FIREWALLS; Qty - 12 Nos** 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.

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, 0374-2807171 , 0374-2807192. Email id = erp_mm@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	STAE 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 – 1A**.
- 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 -> Tender Documents. The above filled up document to be uploaded in the **Technical Attachment**. For details please refer “Vendor User Manual” / “NEW INSTRUCTIONS”

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1.0 Vendors having OIL’s User ID & password may pay Tender Fee on-line through OIL’s electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

Vendors who do not have OIL's User ID & password, may generate User ID & password online by the Vendor by using the link for supplier enlistment given in OIL's e-tender portal and then pay Tender Fee on-line through OIL's electronic Payment Gateway upto one week prior to the Bid closing date (or as amended in e-portal).

No physical tender documents will be provided. Details of NIT can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site www.oil-india.com.

NOTE:

In case of MSE/PSUs/ Govt. Bodies / eligible institutions etc., they shall apply to DGM-Materials, Oil India Limited, P.O. Duliajan, Assam-786602 for waiver of Tender Fee 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"**

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 through ANNEXURE – I of MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders for more details. MSE bidders are exempted from submission of Tender Fees and Bid Security/Earnest Money provided they are registered for the items they intend to quote.

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:**

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

SHRI SATYANANDA MISHRA, IAS (Retd.)
Former Chief Information Commissioner &
Ex-Secretary, DOPT, Govt. of India
E-Mail ID : satyanandamishra@hotmail.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.

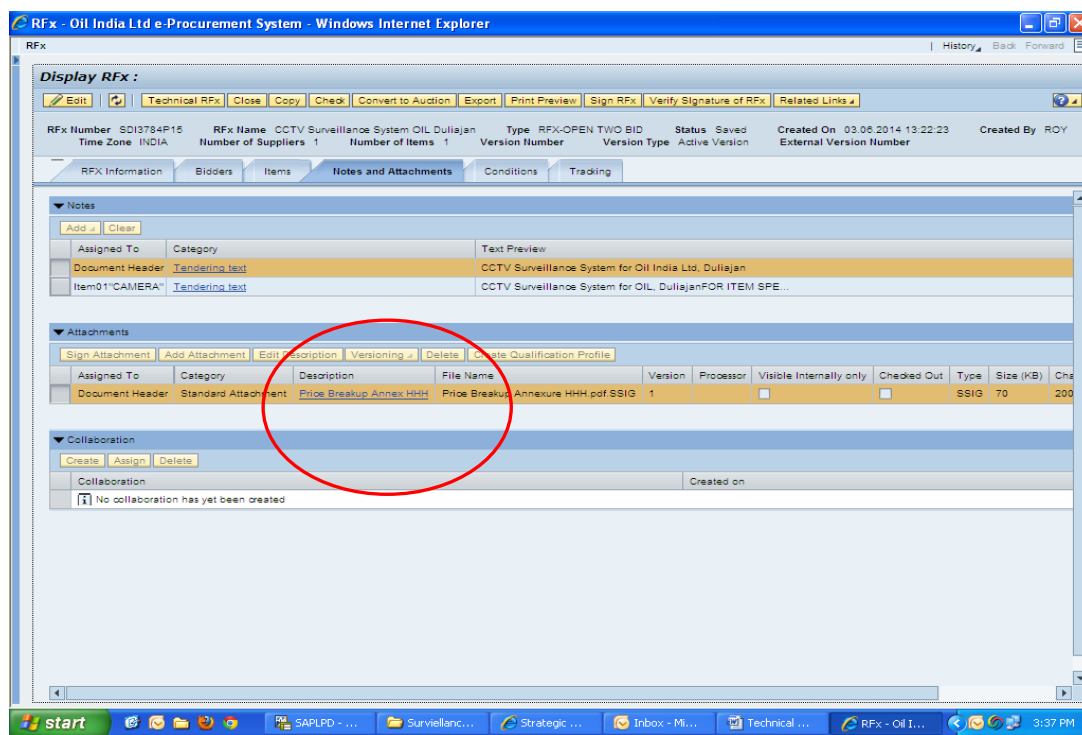
11.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which 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 **Price Breakup:**

Bidders should submit the price breakup of all the items as per "Annexure HHH" which has been uploaded under "Notes & Attachments" > "Attachments" as shown below. The price breakup "Annexure HHH" should be filled up, signed and uploaded under "Notes & Attachments" > "Attachments" only. **The filled up price breakup of all the items should not be uploaded in Technical Attachment.**



Please do refer "NEW INSTRUCTION TO BIDDER FOR SUBMISSION" for the above two points and also please refer " New Vendor Manual (effective 12.04.2017) " 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 Comptability 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 NIT terms and conditions of NIT.

Yours Faithfully

**Sd-
(A.J.SARMAH)
MANAGER MATERIALS (IP)
FOR : DGM-MATERIALS**

Tender No & Date: SDI4697P18 DT: 13.05.2017**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. The bidder must have experience of executing one single order for Next Generation Firewall of minimum value Rs. 110.50 Lakhs in last five years from the original bid closing date.</p> <p>OR</p> <p>The bidder must have experience of executing one single order for Next Generation Firewall solution with at least 6(Six) Firewall devices in last five years from the original bid closing date.</p> <p>Documentary evidence in respect of the above must be submitted in the form of</p> <p>a) Purchase Order and corresponding completion certificate.</p> <p>OR</p> <p>b) Purchase Order and any other documentary evidence that can substantiate the satisfactory completion the purchase order.</p>	

2. The OEM of the offered Firewall Product must be in the "Leaders/Challengers/Visionaries Quadrant" as per "Gartner's Magic Quadrant for Enterprise Network Firewalls" for the year 2016.

3. Delivery schedule:

(a) Software, Hardware & Relevant Licenses: Must be completed within 60 days of placing the purchase order in all the locations as specified against each item.

(b) Installation and commissioning: Installation and commissioning of the entire solution shall be completed within 60 days of delivery of equipment.

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. 110.50 Lakhs.**

b) Net Worth of the firm should be Positive for preceding financial / Accounting year.

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 (As the case may be) has actually not been audited so far'.

Note: 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) 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. 6,22,000.00** 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 Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before the Bid Closing Date and Time mentioned in the Tender. **The Bank Guarantee towards Bid Security shall be valid for 7 months from Bid closing date. (i.e. upto 29.01.2018).**

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:

a) 1st Performance Security @ 10% of PO value (towards cost of NGFW + Central Management Unit + Installation & Commissioning charges + Training Charges) shall be submitted 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. The Performance Security shall be valid for the entire period of Warranty of 1 year from the date of successful installation & commissioning plus 3(three) months.

b) 2nd Performance Security @ 10% of PO value towards cost of 4 years AMS shall be submitted before expiry of 1st Performance Security. The Performance Security shall be valid for the entire AMS period of 4 years plus 3(three) months.

Bidders should undertake in their bids to submit Performance Security as stated above.

The Performance Security shall be submitted in the following form :

A Bank Guarantee in the prescribed OIL's format valid for 3(three) months beyond the Warranty period indicated in the Purchase Order /contract agreement.

The Performance Security for capital nature items like plant and machinery etc. shall be valid for 12 months from the date of commissioning plus 3(three) months or 18 months from the date of shipment/despatch plus 3(three) months whichever concludes earlier. However, for consumables like chemicals, cement, tubular etc. the Performance Security shall be valid for 12 months from the date of shipment/despatch plus 3(three) months.

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.

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.

2.0 BID EVALUATION CRITERIA (BEC)

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

A) TECHNICAL:

a) For evaluation of bids, the total cost of the bid including equipment cost with software license and content update subscription, installation & commissioning, training, warranty for a period of one year and 4 years AMS charges shall be considered together; i.e. Purchase Order shall be placed on the bidder who is lowest (L1) after considering cost of all items together.

B) COMMERCIAL:

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

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

iii) A job executed by a bidder for its own organization / subsidiary cannot be considered as experience for the purpose of meeting BEC.

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.

NOTE:

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

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TECHNICAL SPECIFICATIONS WITH QUANTITY

Tender No & Date: SDI4697P18 DT: 13.05.2017

	Complied / Not Complied. (Remarks if any)
<p><u>ITEM NO. 10</u></p> <p><u>NGFW for Branch Offices (QTY– 12 NOS.)</u></p> <p>Technical specifications for NGFW:</p> <p>1.1 The vendor must specify the make and model of the quoted device. Make: Model :</p> <p>1.2 The offered firewall must be physical appliance based device. Virtualized appliances shall not be accepted.</p> <p>1.3 Integrated Ethernet LAN Port: (i) Minimum six (6) numbers 100/1000 Ethernet Ports with RJ-45 connector (ii) SFP I/O Port: Minimum four (4) numbers Gigabit Ethernet SFP. Two (2) numbers of 1000BASE-LX GbE optics (1,310 nm for 10 km transmission on SMF) compatible with the SFP I/O ports must be supplied with each Firewall device.</p> <p>1.4 Console Port: Minimum one (1)</p> <p>1.5 Memory (DRAM): Minimum 16 GB</p> <p>1.6 Power Supply: 100-240 VAC, 50-60Hz. Appropriate power cables are to be supplied along with the devices.</p> <p>1.7 Form Factor: 19 inch rack-mountable. Necessary rack mounting accessories must be supplied.</p> <p>1.8 Local Inbuilt storage : Minimum 200 GB</p> <p>2. Performance and capacity</p> <p>2.1 Minimum NGFW (Next Generation Firewall) throughput of the proposed firewall device must be 2.5 Gbps. (Definition of NGFW throughput in this context is Firewall throughput measured with both IPS and Application control enabled together)</p> <p>2.2 Minimum Connections per second: Minimum 70 K</p> <p>2.3 Minimum Concurrent Sessions: 3 Million</p> <p>2.4 Maximum User Support: Unrestricted</p> <p>2.5 Minimum number of concurrent remote access VPN user supported: 200 (Necessary licenses to implement remote access VPN service for at least 200 concurrent users for the whole solution must be supplied). OIL INDIA may choose to implement VPN Gateway functionality in 2 firewall devices (in HA) in any one of the six sites.</p> <p>3. High Availability (HA) Features</p> <p>3.1 The firewall device must support stateful failover functionality.</p> <p>3.2 HA modes supported: Active/Active and Active/Passive. For each of the 6 sites, 2 firewall devices supplied shall be configured in Active/Active HA mode.</p>	

4. Functional Features

4.1 Protocol Support: IPv4 and IPv6

4.2 Address Translation Support

4.2.1 Source NAT with Port Address Translation (PAT)

4.2.2 Static NAT

4.2.3 Destination NAT with PAT

4.2.4 NAT64

4.3 First Generation Firewall capabilities

4.3.1 Stateful Protocol Inspection

4.3.2 Stateless Filters

4.3.3 Zoning support

4.3.4 Screening of DoS, DDoS, replay attack

4.4 VPN Support

4.4.1 The firewall must support mobile access connectivity via remote access VPN to provide secure remote access to corporate resources from a wide variety of devices including smartphones, tablets, PCs, Mac and Linux.

4.4.2 Minimum number of concurrent remote access VPN users via mobile access connectivity : 200

4.4.3 Necessary licenses and client software to implement remote access VPN service via mobile access connectivity for at least 200 users for the whole solution must be supplied

4.4.4 Minimum number of concurrent web based SSL VPN users : 2000

4.4.5 Necessary licenses to implement web based SSL VPN service for at least 2000 users for the whole solution must be supplied

4.4.6 Both client-based and web-based VPN connectivity must be supported.

4.4.7 Both SSL and IPsec tunnel based remote access VPN connectivity must be supported.

4.4.8 SSL VPN Portal: The firewall must support connecting securely to corporate resources through a portal from a web browser. Through an integrated Web portal, users must be able to access web applications, web-based resources, shared files, and email. The design of the web portal must be customizable.

4.4.9 Authentication method supported - RADIUS, LDAP

4.5 Integrated signature based IPS (Intrusion Prevention System) support

4.5.1 It should be able to work with vulnerability and exploit signatures and capable of Protocol anomaly detection and behaviour-based detection.

4.5.2 It should be able to provide real time protection based on daily and emergency IPS signature updates.

4.5.3 It should be able to inspect SSL encrypted traffic.

4.5.4 IPS engine must be integrated with the device not merely a co-located separate device.

4.5.5 The bidder must give information on subscription model of IPS signature updates and provide updates for five (5) years from the date of commissioning.

4.6 Application Awareness and control

4.6.1 It must be capable to identify, allow, block or limit usage (based on bandwidth and/or time) of standard applications, including Web 2.0 and social networking, regardless of port, protocol or evasive technique used to traverse the network.

4.6.2 It must be capable of SSL inspection

4.6.3 It must have support for user role based policies i.e. application security based on user

role and identity of all endpoints including mobile devices.

4.6.4 The bidder must give information on subscription model of application classification signature updates and provide updates for five (5) years from the date of commissioning.

4.7 Endpoint/User Identity Awareness

4.7.1 It must provide granular visibility of users, groups and machines, providing application and access control through the creation of accurate, identity-based policies.

4.7.2 It must be able to integrate with Active Directory server for user identification and enforcement of group membership based policies.

4.8 Web Content Filtering

4.8.1 It must be capable of web filtering based on categorized database

4.8.2 It must be able to enforce inspection of all traffic, even when traversing non-standard ports and eliminate by-pass through external proxy

4.8.3 It must be able filter SSL encrypted traffic

4.8.4 The firewall must be able to act as a Web Proxy server

4.8.5 The bidder must give information on subscription model of URL database updates and provide updates for five (5) years from the date of commissioning.

4.9 Anti-virus and anti-bot Capability

4.9.1 It must be able to block incoming malicious contents like : Virus, Trojans, Key logger etc. in real time based signature database

4.9.2 It must have anti-bot capabilities

4.9.3 The bidder must give information on subscription model of signature database updates and provide updates for five (5) years from the date of commissioning.

4.10 Traffic Management and Quality of Service

4.10.2 It must support multiple ISP (Internet Service Provider) redundancy support.

It must be able to support internet access through multiple ISP links and able to automatically switch over internet traffic to the working links when one or more ISP links fail.

4.10.3 It must be able to distribute the internet traffic over multiple ISP links for load sharing.

4.11 Administration and monitoring Features

4.12 The firewall must be able to be managed locally and via Central Unified Management device offered as part of the solution. Using local management, the appliance should be able to manage itself.

4.13 Administration interface: It must support both GUI/Web and CLI (Command Line Interface) based user interface for administration and monitoring of the device.

4.14 Logging Support: It must support logging security events, user activity and system events. Logs must be stored in the in-built storage. Transfer of logs to Central unified management device over network must be supported.

4.15 Log size per day: The firewall must be able to support minimum 2 GB of logs per day.

4.16 Log retention period: The firewall must be able to retain logs in its in-built storage for at least last 90 days.

5. Protection against zero-day threats

5.1 The firewall must be able to protect against zero-day threats using threat emulation technology like virtual “sandbox” environments.

5.2 The firewall must be able to protect against Advanced Persistent threats like ransomware attacks and spear fishing.

6 Supply of software license and content update subscription (if required)

6.1 If any of the specification listed above requires purchase of separate software license and/or Content 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 five (5) years from the date of commissioning of the hardware.

6.2 The bidder must supply the necessary software licenses and/or content update subscriptions as necessary.

6.3 The Content update subscription provided by the bidder must be for a period of five (5) years from the date of commissioning of the hardware.

Delivery details

Address for delivery

"Quantity - 02 (To be configured in active-active HA)

OIL INDIA LIMITED, CORPORATE OFFICE
OIL INDIA LIMITED, CORPORATE OFFICE
Plot No. 19,
Film City,
Sector 16A,
Noida 201301"

"Quantity - 02 (To be configured in active-active HA)

OIL INDIA LIMITED, PHQ
P.O. Udayan Vihar
Narengi,
Guwahati – 781171"

"Quantity - 02 (To be configured in active-active HA)

OIL INDIA LIMITED, KOLKATA OFFICE
4, India Exchange Place, Kolkata 700 001"

"Quantity - 02 (To be configured in active-active HA)

OIL INDIA LIMITED, RAJASTHAN PROJECT
OIL HOUSE
2-A, District Shopping Centre
Saraswati Nagar, Basni, Jodhpur
Rajasthan 342005"

"Quantity - 02 (To be configured in active-active HA)

OIL INDIA LIMITED, CEMG
5th Floor
IT Infra Building
FC?24 Sector 16-A,
Noida 201301"

"Quantity - 02 (To be configured in active-active HA)

OIL INDIA LIMITED, OIL INDIA LIMITED, KG BASIN PROJECT
2-7A-7, Subhadra Residency
Venkatanagar, Sivalayam Street
Kakinada 533003, Andhra Pradesh"

ITEM NO. 20**CENTRAL MANAGEMENT UNIT (QTY– 02 NOS.)****Technical specifications for Central Unified Management Device**

- 7.1 The vendor must specify the make and model of the quoted device.
Make:
Model :
- 7.2 The offered solution must be physical appliance based device. Virtualized appliances shall not be accepted.
- 7.3 Network Interface: Minimum 2 numbers of 100/1000 Ethernet Ports with RJ-45 connector.
- 7.4 Memory (DRAM): Minimum 32 GB
- 7.5 Form Factor: 19 inch rack-mountable. Necessary rack mounting accessories must be supplied.
- 7.6 The Central Unified Management Device installed at Duliajan must provide a single, unified platform for management of policy, log and event management of all the firewall devices installed in the 6 branch sites.
- 7.7 Scalability: The Central Unified Management Device must support management of at least 30 firewall devices.
- 7.8 The device must support centralized configuration management of all security policies and system parameters of all the firewall devices in the solution.
- 7.9 The device must support centralized logging for all the firewall devices in the solution. The device must be able to collect logs of all events and policies from all the firewall devices in the solution.
- 7.10 Log size per day - The device must be able to receive minimum 24 GB of logs per day (2 GB logs per day from 12 firewall devices in the solution)
- 7.11 Log retention capability: The inbuilt storage of the device must be configured in RAID 5/10 and the available storage on the device must be sufficient to retain logs from all the firewalls in the solution for 180 days - i.e. 4320 GB (24*180 GB) of RAID protected storage space must be available.
- 7.12 The device must support collection and indexing of minimum 6000 logs/second.
- 7.13 The device must support high availability (HA) functionality. The supplied devices must be configured in HA mode to prevent single point of failure.
- 7.14 The device must support export of collected logs to an external syslog server.
- 7.15 The device must support creation of administrative domains based on geography, business unit or security functions. Each domain must be an independent security management environment with a separate database, log server and its own set of security policies. Each domain must support capability of having different set of administrators.
- 7.16 The device must support multi-domain management for at least 15 domains.
- 7.17 The device must be able to analyse and correlate security logs and events in real-time for threat detection and automated alert notification for rapid response. The device must be able to automatically identify critical security events/compromises.
- 7.18 The device must be able to analyse and correlate historical log data.
- 7.19 The device must support drill-down of log data so that administrators can easily move from a high level view to detailed analysis of events to follow the trail of an attacker and trace transactions.
- 7.20 The device must support advanced report generation using the log data. Report generation must be possible on-demand and on a schedule with automated email notification.

<p>7.21 The file format for report generation must include: HTML/PDF/CSV formats.</p> <p>7.22 There must be built-in templates with sample reports ready for use. The device must support generation of custom reports.</p> <p>7.23 The device must support graphical reports with summary views of network traffic, threats, applications etc.</p> <p>7.24 The device must have the ability to view logs, track events, view reports and monitor security and network activity, see trends.</p> <p>7.25 The device must have the ability to centrally distribute signatures and software updates to all the firewall devices in the solution.</p> <p>7.26 The device must support free-text search and correlation of multiple logs.</p> <p>7.27 The device must be able to monitor the health and system status of all the firewalls in the solution.</p> <p>8 Supply of software license and content update subscription (if required)</p> <p>8.1 If any of the specification listed above requires purchase of separate software license and/or Content 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 five (5) years from the date of commissioning of the hardware.</p> <p>8.2 The bidder must supply the necessary software licenses and/or content update subscriptions as necessary.</p> <p>8.3 The Content update subscription provided by the bidder must be for a period of five (5) years from the date of commissioning of the hardware.</p> <p>Delivery details Address for delivery Quantity - 02 (To be configured in active-active HA)</p> <p>Oil India Limited, Materials Department Duliajan, Assam - 786602</p>	
<p><u>ITEM NO. 30</u></p> <p><u>INSTALLATION AND COMMISSIONING (QTY- 01 AU)</u></p>	
<p><u>ITEM NO. 40</u></p> <p><u>TRAINING (QTY- 01 AU)</u></p>	
<p><u>ITEM NO. 50</u></p> <p><u>ANNUAL MAINTENANCE SERVICES (AMS) FOR 4 YEARS (QTY - 01 AU)</u></p>	

Special Notes:

A) **PREAMBLE:** Oil India Limited (OIL) is an Indian National Oil company under the administrative control of Ministry of Petroleum and Natural Gas, Govt. of India, engaged in the business of exploration, development and production of crude oil and natural gas, transportation of crude oil and production of LPG.

OIL intends to implement Next Generation Firewall solution in 6 (six) of its branch offices with Centralized Management and logging at its Field HQ - Duliajan.

"Two firewall devices configured in HA shall be installed in each of the following branch offices of OIL:

1. Corporate HQ, Noida
2. CEMG, Noida
3. Rajasthan Project office, Jodhpur
4. Kolkata office
5. PHQ, Guwahati
6. KG Basin Project office, Kakinada

Each of the above offices have independent Internet link and redundant MPLS connectivity (minimum bandwidth of 4 Mbps) connecting each branch office to Field HQ - Duliajan."

Two Central Unified Management Devices configured in HA shall be installed at Field HQ - Duliajan for centralized policy, software update and log management of the entire solution.

B) GENERAL TERMS

1. The bidders will be considered as OEM or Non-OEM. OEM may quote directly against the tender. Non-OEM bidders must submit Manufacturer Authorization Form (MAF) to quote against the tender. The MAF must be issued on company letterhead by authorised singnatory of the Original Equipment Manufacturer. The MAF must include name, designation, email and phone number of the authorized signatory, along with the address of the office from where the MAF is being issued. OIL reserves the right to verify the authenticity of such documentation.

2. The vendor shall quote for all the items as specified in tender. Partial offers will be considered as non-responsive and will be rejected.

3. The vendor must provide unpriced bill of materials and services (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.

4. All the hardware appliances shall be from the same OEM.

5. The vendor must provide technical details of their offered solution by filling in the **Vendor's Response Sheet – Annexure-1**. The vendor must ensure that information in Annexure-1 is complete and correct.

6. The vendor 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 vendor in Vendor's Response Sheet – Annexure-1.

7. All the technical requirements of the tender must be met in totality by the quoted items as on bid closing date.

8. The proposed solution (including all the Hardware and software) must have minimum five years 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.

9. The vendor 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.

C) SCOPE OF WORK

10. The scope of the work involves the following:

a) Supply of physical appliances with warranty, warranty certificates, software, necessary licenses and documentation

b) Installation, integration, commissioning and user acceptance testing

c) Training

d) Annual Maintenance Services for the entire solution for 4 years

D) DELIVERY OF SOFTWARE, HARDWARE AND RELEVANT LICENSES

11. Delivery of items must be completed within 60 days of placing the purchase order in all the locations as specified against each item.

12. The vendor must provide soft copy or hard copy of the OEM product documentation and configuration manual at the time of delivery.

13. The vendor must provide list of supplied inventory along with OEM serial number/service tag at the time of delivery.

14. All the required software licenses and content update licenses must be provided in soft or hard copy at the time of delivery.

All the supplied software licenses must be perpetual in nature without any requirement for renewal.

All the supplied content update licenses (for e.g. firewall signature updates etc.) must be valid for a period of 5 years from the date of successful commissioning of the solution.

E) INSTALLATION AND COMMISSIONING OF THE SOLUTION

15. Installation and commissioning cost must be quoted separately.

16. Installation and commissioning of the entire solution shall be completed within 60 days of delivery of equipment.

17. The vendor will be responsible for design, installation, configuration and integration of the solution as per Oil India Ltd.'s requirements fulfilling all Tender specifications. The detailed design document to be prepared in consultation with Oil India Ltd fulfilling OIL's requirements must be submitted to OIL at least 7 days prior to commencing installation and commissioning activities. The actual implementation shall commence after review of the design document and go-ahead from OIL.

The design must be as per best practices guidelines published by the OEM. OEM must certify the design prepared by the vendor for correctness and adherence to best practices.

18. The vendor shall be responsible for any configuration changes required in OIL's existing equipment like routers, switches, firewall, load balancer etc. to integrate the solution with the existing infrastructure.

19. Installation and commissioning of the solution has to be carried out by an OEM-certified installation engineer with remote support from OEM. The OEM must be involved with the vendor's installation engineer throughout the installation and commissioning activity. The vendor must provide copy of the OEM certificates for the installation engineers assigned to carry out the installation activity at least seven days before start of the installation activity. The submitted OEM certificate must meet the following requirements:

- 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.

20. After completion of installation and commissioning activity, OEM must carry out configuration audit of the supplied solution to validate that the installation and commissioning has been completed as per the design and issue a certificate.

Installation and commissioning of the solution shall be deemed complete only after successful completion of acceptance testing and submission of configuration audit certificate from OEM.

21. All interconnecting cables, transceiver optics , power cables and any other required accessories must be supplied by the vendor

22. Cable dressing and management with tagging – The vendor 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 vendor.

23. The vendor must provide documentation for installation and configuration after successful installation and integration of the solution. The documentation must include step-by-step procedures to configure the devices, schematic diagram of the solution showing details of the interconnection and OEM serial number, service tags of the supplied equipment. This document must be submitted to OIL prior to commencement of Acceptance Test.

24. The installation and commissioning of the solution shall be deemed complete when all of the following requirements are met:

- a) Completion of delivery of all the items
- b) Completion of installation, configuration and integration at all the locations
- c) Submission and OIL's approval for all documentation deliverables as per the tender requirements
- d) Successful completion of Configuration Audit
- e) Successful completion of User Acceptance Test
- f) Successful completion of training

OIL will issue commissioning certificate to the vendor after completion of the installation and commissioning.

F) USER ACCEPTANCE TEST (UAT)

25. The vendor shall carry out Acceptance Tests for the supplied hardware and software in the presence of OIL's personnel and OEM certified Installation Engineers. The acceptance testing shall be done at IT Department, Duliajan, Assam.

26. Acceptance tests will be done as per the UAT Plan and shall include the following:

1. Physical Verification: All the received equipment will be powered on and physical specifications of the hardware supplied will be checked against the tender specifications

2. Verification of physical connectivity, cable tagging and labelling
 3. Demonstration of all software licenses installed as per tender specifications
 4. Demonstration of HA functionality
 5. Demonstration of NAT features
 6. Demonstration of First Generation Firewall capabilities
 7. Demonstration of VPN functionalities
 8. Demonstration of IPS functionalities
 9. Demonstration of Application Awareness and control
 10. Demonstration of Endpoint/User Identity Awareness
 11. Demonstration of Web Content Filtering
 12. Demonstration of Anti-virus and anti-bot Capability
 13. Demonstration of Protection against zero-day threats
 14. Demonstration of capabilities of Central Unified Management Device
27. After completion of UAT, the vendor shall submit detailed UAT report to OIL.

G) DOCUMENTATION DELIVERABLES

28. The following are the documentation deliverables during various stages of the implementation of the solution:

STAGE

DOCUMENT NAME

7 days prior to commencement installation and commissioning activities: Design Document

At least seven days before start of the installation activity: OEM certificates for the installation engineers

After completion of installation but before commencement of UAT: Configuration audit certificate from OEM

After completion of installation but before commencement of UAT: Installation and configuration document

After successful completion of UAT: UAT report

After completion of installation and commissioning: Service Agreement details with OEM for providing AMS

H) TRAINING

29. The vendor must impart training on the supplied solution to at least 4 IT Personnel from OIL. The minimum duration of training must be 5 days.

30. The training content must include at least the following:

- 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

31. The vendor must arrange for necessary training infrastructure. The vendor 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.

32. 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.

33. Cost of transportation and accommodation of the OIL Personnel for training will be borne by OIL.

34. The training must be completed before commencement of the installation and commissioning of the solution.

35. Training cost has to be quoted separately.

I) Warranty

36. All the hardware and software items supplied to OIL for the solution shall be covered under one year Comprehensive onsite warranty.

37. Warranty certificates must be supplied along with the equipment at the time of delivery.

J) ANNUAL MAINTENANCE SERVICES (AMS)

38. All the hardware and software items supplied to OIL for the solution shall be covered under Comprehensive onsite AMS provided directly by the OEM for a period of 4 (four) years after successful completion of one year warranty period.

39. AMS cost has to be quoted separately. The vendor must mention the OEM part code for AMS services along with quantity in the unpriced bill of materials.

40. The vendor must submit the AMS service agreement certificate from OEM (at the time of commissioning) to substantiate that the supplied items (indicating their serial numbers) are covered under AMS for the desired period.

K) Scope of Warranty and AMS

41. During the Warranty and AMS period, any failed device/software under AMS/Warranty 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 vendor. Such replacement/repair activity shall not entail any additional cost to OIL apart from the fixed AMS fee payable quarterly. However since the solution is to be designed in HA mode without any single point of failure, any failed device/software must not affect the functionality of the solution. In case of functionality of the solution being affected by failed device/software, rectification must be done within 6 hours of reporting the failure.

42. The vendor must supply and implement any firmware/Operating System Update/software update/Patch released by the OEM during the AMS/Warranty period for the offered solution. Such updates must be provided free of cost.

43. Remote assistance support must be provided within 2 hours of reporting any problem related to the supplied items. For problems which cannot be resolved over remote support, vendor's personnel must visit the site.

44. The vendor shall be responsible for transportation and accommodation of the vendor's personnel visiting the sites for resolution of any problem.

45. There will be a single point of contact for reporting any problem related to the offered solution. It must be possible to report problems over both phone and email or online. These details must be provided along with the escalation matrix at the time of commissioning of the solution.

OIL must be able to directly log a call with the OEM or contact the OEM for reporting any problem related to the offered solution.

46. AMS charges will be paid quarterly after completion of the quarter. The vendor must submit appropriate invoices to DGM-IT, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.

L) PENALTY TERMS

47. During the AMS/Warranty period, any failed device/software shall have to be repaired/ replaced with a new/ standby device 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 successful vendor. In case of failure on the part of the vendor to rectify the problem within 120 hours of reporting, a penalty of INR 5000.00 per day per device will be levied. However, maximum penalty in a quarter will not exceed 15% of 2.5% of total cost of the equipment (hardware and software) in the solution.

48. During the AMS/Warranty period, any reported problem other than hardware failure shall have to be resolved within 72 hours of reporting the problem. In case of failure on the part of the vendor to rectify the problem within 72 hours of reporting, a penalty of INR 5000.00 per day per device will be levied. However, maximum penalty in a quarter will not exceed 15% of 2.5% of total cost of the equipment (hardware and software) in the solution.

49. During the AMS/Warranty period, if solution functionality is affected due to failure of a single device/software, such problems shall have to be resolved within 6 hours of reporting the problem. In case of failure on the part of the vendor to rectify the problem within 6 hours of reporting, a penalty of INR 5000.00 per day per device will be levied. However, maximum penalty in a quarter will not exceed 15% of 2.5% of total cost of the equipment (hardware and software) in the solution.

M) PAYMENT TERMS

50. Payment against the Hardware and software cost of the solution will be as per the following schedule:

70% - After delivery of material (hardware, software and licenses, warranty certificates)
30% - After issue of Commissioning Certificate for the solution by OIL AND successful completion of training modules.

51. Total training charges will be paid on submission of consolidated training invoice after successful completion of training modules.

52. Installation and commissioning charges will be paid on submission of invoices after successful commissioning of the solution.

53. AMS charges will be paid quarterly after completion of the quarter. The vendor must submit appropriate invoices to DGM-IT, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.

N) CONFIDENTIALITY AGREEMENT TERMS

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

NOTE:

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

INTRODUCTION

Oil India Limited (OIL) is an Indian National Oil company under the administrative control of Ministry of Petroleum and Natural Gas, Govt. of India, engaged in the business of exploration, development and production of crude oil and natural gas, transportation of crude oil and production of LPG.

OIL intends to implement Next Generation Firewall solution in 6 (six) of its branch offices with Centralized Management and logging at its Field HQ - Duliajan.

Two firewall devices configured in HA shall be installed in each of the following branch offices of OIL:

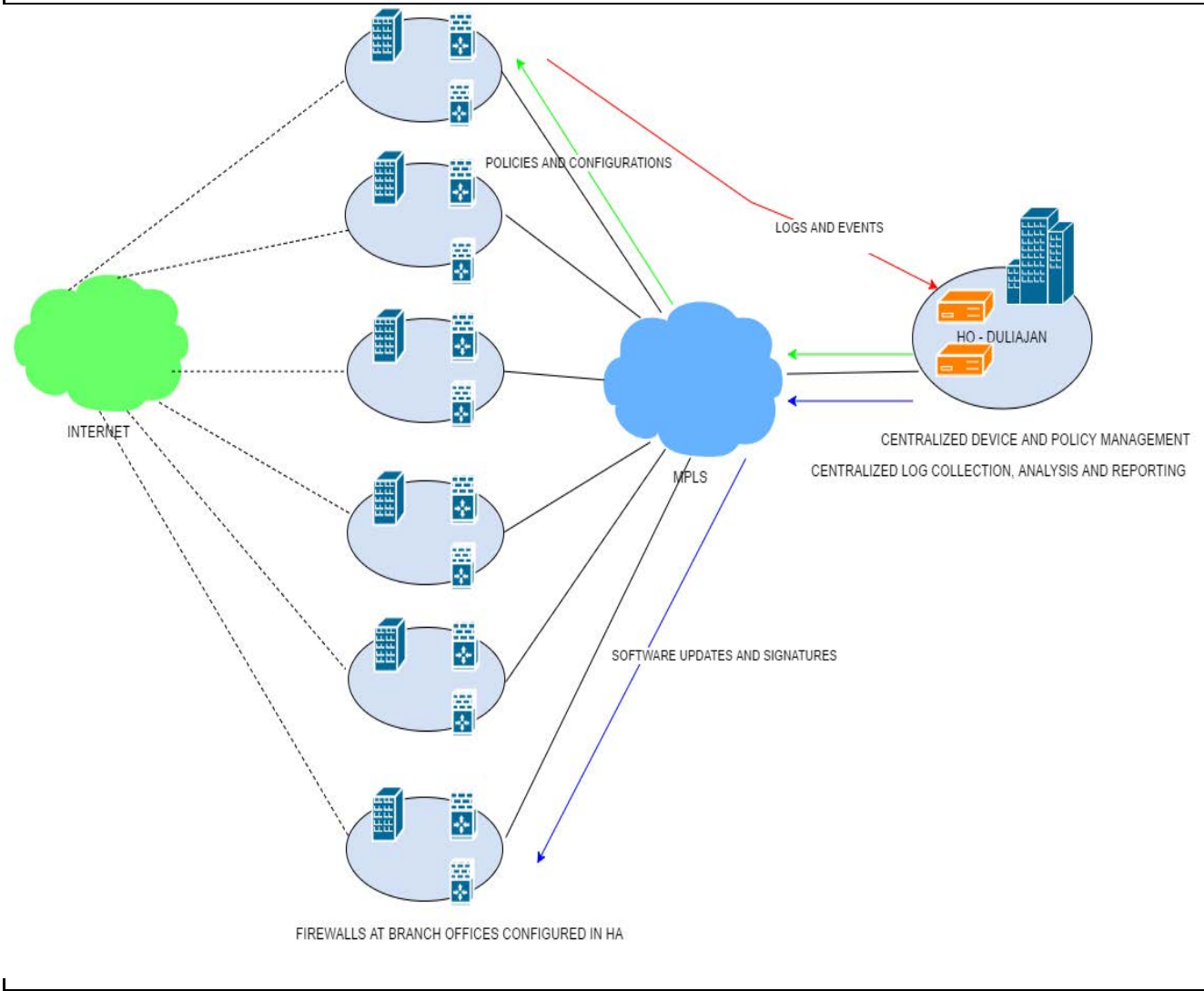
1. Corporate HQ, Noida

2. CEMG, Noida
3. Rajasthan Project office, Jodhpur
4. Kolkata office
5. PHQ, Guwahati
6. KG Basin Project office, Kakinada

Each of the above offices have independent Internet link and redundant MPLS connectivity (minimum bandwidth of 4 Mbps) connecting each branch office to Field HQ - Duliajan.

Two Central Unified Management Devices configured in HA shall be installed at Field HQ - Duliajan for centralized policy, software update and log management of the entire solution.

Following is the high level schematic diagram of the proposed solution:





Instruction to Bidders:		
1. The bidders must fill in all the required details.		
2. The cells where the bidder must fill in the details mandatorily are color coded as follows:		
	Meaning : Information required but not filled in. When the required information is filled in the relevant cell, fill color will automatically get cleared.	
CLAUSE NUMBER	TECHNICAL SPECIFICATION	BID COMPLIANCE
1. Firewall Device - Total quantity 12		
Delivery details		
Address for delivery		
	Quantity - 02 (To be configured in active-active HA) OIL INDIA LIMITED, CORPORATE OFFICE Plot No. 19, Film City, Sector 16A, Noida 201301	
	Quantity - 02 (To be configured in active-active HA) OIL INDIA LIMITED, PHQ P.O. Udayan Vihar Narengi, Guwahati – 781171	
	Quantity - 02 (To be configured in active-active HA) OIL INDIA LIMITED, KOLKATA OFFICE 4, India Exchange Place, Kolkata 700 001	
	Quantity - 02 (To be configured in active-active HA) OIL INDIA LIMITED, RAJASTHAN PROJECT OIL HOUSE 2-A, District Shopping Centre Saraswati Nagar, Basni, Jodhpur Rajasthan 342005	
	Quantity - 02 (To be configured in active-active HA) OIL INDIA LIMITED, CEMG 5th Floor IT Infra Building FC-24 Sector 16-A, Noida 201301	
	Quantity - 02 (To be configured in active-active HA) OIL INDIA LIMITED, OIL INDIA LIMITED, KG BASIN PROJECT 2-7A-7, Subhadra Residency Venkatanagar, Sivalayam Street Kakinada 533003, Andhra Pradesh	
1.1	The vendor must specify the make and model of the quoted device. Make: Model :	
1.2	The offered firewall must be physical appliance based device. Virtualized appliances shall not be accepted.	
1.3	Integrated Ethernet LAN Port: (i) Minimum six (6) numbers 100/1000 Ethernet Ports with RJ-45 connector (ii) SFP I/O Port: Minimum four (4) numbers Gigabit Ethernet SFP. Two (2) numbers of 1000BASE-LX GbE optics (1,310 nm for 10 km transmission on SMF) compatible with the SFP I/O ports must be supplied with each Firewall device.	
1.4	Console Port: Minimum one (1)	
1.5	Memory (DRAM): Minimum 16 GB	
1.6	Power Supply: 100-240 VAC, 50-60Hz. Appropriate power cables are to be supplied along with the devices.	
1.7	Form Factor: 19 inch rack-mountable. Necessary rack mounting accessories must be supplied.	
1.8	Local Inbuilt storage : Minimum 200 GB	
2. Performance and capacity		
2.1	Minimum NGFW (Next Generation Firewall) throughput of the proposed firewall device must be 2.5 Gbps. (Definition of NGFW throughput in this context is Firewall throughput measured with both IPS and Application control enabled together)	
2.2	Minimum Connections per second: Minimum 70 K	
2.3	Minimum Concurrent Sessions: 3 Million	
2.4	Maximum User Support: Unrestricted	
2.5	Minimum number of concurrent remote access VPN user supported: 200 (Necessary licenses to implement remote access VPN service for at least 200 concurrent users for the whole solution must be supplied). OIL INDIA may choose to implement VPN Gateway functionality in 2 firewall devices (in HA) in any one of the six sites.	
3. High Availability (HA) Features		
3.1	The firewall device must support stateful failover functionality.	
3.2	HA modes supported: Active/Active and Active/Passive. For each of the 6 sites, 2 firewall devices supplied shall be configured in Active/Active HA mode.	
4. Functional Features		
4.1	Protocol Support: IPv4 and IPv6	
4.2	Address Translation Support	
4.2.1	Source NAT with Port Address Translation (PAT)	
4.2.2	Static NAT	

4.2.3	Destination NAT with PAT	
4.2.4	NAT64	
4.3	First Generation Firewall capabilities	
4.3.1	Stateful Protocol Inspection	
4.3.2	Stateless Filters	
4.3.3	Zoning support	
4.3.4	Screening of DoS, DDoS, replay attack	
4.4	VPN Support	
4.4.1	The firewall must support mobile access connectivity via remote access VPN to provide secure remote access to corporate resources from a wide variety of devices including smartphones, tablets, PCs, Mac and Linux.	
4.4.2	Minimum number of concurrent remote access VPN users via mobile access connectivity : 200	
4.4.3	Necessary licenses and client software to implement remote access VPN service via mobile access connectivity for at least 200 users for the whole solution must be supplied	
4.4.4	Minimum number of concurrent web based SSL VPN users : 2000	
4.4.5	Necessary licenses to implement web based SSL VPN service for at least 2000 users for the whole solution must be supplied	
4.4.6	Both client-based and web-based VPN connectivity must be supported.	
4.4.7	Both SSL and IPsec tunnel based remote access VPN connectivity must be supported.	
4.4.8	SSL VPN Portal: The firewall must support connecting securely to corporate resources through a portal from a web browser. Through an integrated Web portal, users must be able to access web applications, web-based resources, shared files, and email. The design of the web portal must be customizable.	
4.4.9	Authentication method supported - RADIUS, LDAP	
4.5	Integrated signature based IPS (Intrusion Prevention System) support	
4.5.1	It should be able to work with vulnerability and exploit signatures and capable of Protocol anomaly detection and behaviour-based detection.	
4.5.2	It should be able to provide real time protection based on daily and emergency IPS signature updates.	
4.5.3	It should be able to inspect SSL encrypted traffic.	
4.5.4	IPS engine must be integrated with the device not merely a co-located separate device.	
4.5.5	The bidder must give information on subscription model of IPS signature updates and provide updates for five (5) years from the date of commissioning.	
4.6	Application Awareness and control	
4.6.1	It must be capable to identify, allow, block or limit usage (based on bandwidth and/or time) of standard applications, including Web 2.0 and social networking, regardless of port, protocol or evasive technique used to traverse the	
4.6.2	It must be capable of SSL inspection	
4.6.3	It must have support for user role based policies i.e. application security based on user role and identity of all endpoints including mobile devices.	
4.6.4	The bidder must give information on subscription model of application classification signature updates and provide updates for five (5) years from the date of commissioning.	
4.7	Endpoint/User Identity Awareness	
4.7.1	It must provide granular visibility of users, groups and machines, providing application and access control through the creation of accurate, identity-based policies.	
4.7.2	It must be able to integrate with Active Directory server for user identification and enforcement of group membership based policies.	
4.8	Web Content Filtering	
4.8.1	It must be capable of web filtering based on categorized database	
4.8.2	It must be able to enforce inspection of all traffic, even when traversing non-standard ports and eliminate by-pass through external proxy	
4.8.3	It must be able filter SSL encrypted traffic	
4.8.4	The firewall must be able to act as a Web Proxy server	
4.8.5	The bidder must give information on subscription model of URL database updates and provide updates for five (5) years from the date of commissioning.	
4.9	Anti-virus and anti-bot Capability	
4.9.1	It must be able to block incoming malicious contents like : Virus, Trojans, Key logger etc. in real time based signature database	
4.9.2	It must have anti-bot capabilities	
4.9.3	The bidder must give information on subscription model of signature database updates and provide updates for five (5) years from the date of commissioning.	
4.10	Traffic Management and Quality of Service	
4.10.2	It must support multiple ISP (Internet Service Provider) redundancy support. It must be able to support internet access through multiple ISP links and able to automatically switch over internet traffic to the working links when one or more ISP links fail.	
4.10.3	It must be able to distribute the internet traffic over multiple ISP links for load sharing.	
4.11	Administration and monitoring Features	
4.12	The firewall must be able to be managed locally and via Central Unified Management device offered as part of the solution. Using local management, the appliance should be able to manage itself.	
4.13	Administration interface: It must support both GUI/Web and CLI (Command Line Interface) based user interface for administration and monitoring of the device.	
4.14	Logging Support: It must support logging security events, user activity and system events. Logs must be stored in the in-built storage. Transfer of logs to Central unified management device over network must be supported.	
4.15	Log size per day: The firewall must be able to support minimum 2 GB of logs per day.	
4.16	Log retention period: The firewall must be able to retain logs in its in-built storage for at least last 90 days.	
5	Protection against zero-day threats	
5.1	The firewall must be able to protect against zero-day threats using threat emulation technology like virtual "sandbox" environments.	

5.2	The firewall must be able to protect against Advanced Persistent threats like ransomware attacks and spear fishing.	
6	Supply of software license and content update subscription (if required)	
6.1	If any of the specification listed above requires purchase of separate software license and/or Content update subscription apart from the base hardware, it must be specified in the technical specification response sheet and supplied along with the hardware devices. <u>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 five (5) years from the date of commissioning of the hardware.</u>	
6.2	The bidder must supply the necessary software licenses and/or content update subscriptions as necessary.	
6.3	The Content update subscription provided by the bidder must be for a period of five (5) years from the date of commissioning of the hardware.	
7. Central Unified Management Device - Quantity 02		
Delivery details		
	Address for delivery	
	Quantity - 02 (To be configured in active-active HA) Oil India Limited, Materials Department Duliajan, Assam - 786602	
7.1	The vendor must specify the make and model of the quoted device. Make: Model :	
7.2	The offered solution must be physical appliance based device. Virtualized appliances shall not be accepted.	
7.3	Network Interface: Minimum 2 numbers of 100/1000 Ethernet Ports with RJ-45 connector.	
7.4	Memory (DRAM): Minimum 32 GB	
7.5	Form Factor: 19 inch rack-mountable. Necessary rack mounting accessories must be supplied.	
7.6	The Central Unified Management Device installed at Duliajan must provide a single, unified platform for management of policy, log and event management of all the firewall devices installed in the 6 branch sites.	
7.7	Scalability: The Central Unified Management Device must support management of at least 30 firewall devices.	
7.8	The device must support centralized configuration management of all security policies and system parameters of all the firewall devices in the solution.	
7.9	The device must support centralized logging for all the firewall devices in the solution. The device must be able to collect logs of all events and policies from all the firewall devices in the solution.	
7.10	Log size per day - The device must be able to receive minimum 24 GB of logs per day (2 GB logs per day from 12 firewall devices in the solution)	
7.11	Log retention capability: The inbuilt storage of the device must be configured in RAID 5/10 and the available storage on the device must be sufficient to retain logs from all the firewalls in the solution for 180 days - i.e. 4320 GB (24*180 GB) of RAID protected storage space must be available.	
7.12	The device must support collection and indexing of minimum 6000 logs/second.	
7.13	The device must support high availability (HA) functionality. The supplied devices must be configured in HA mode to prevent single point of failure.	
7.14	The device must support export of collected logs to an external syslog server.	
7.15	The device must support creation of administrative domains based on geography, business unit or security functions. Each domain must be an independent security management environment with a separate database, log server and its own set of security policies. Each domain must support capability of having different set of administrators.	
7.16	The device must support multi-domain management for at least 15 domains.	
7.17	The device must be able to analyse and correlate security logs and events in real-time for threat detection and automated alert notification for rapid response. The device must be able to automatically identify critical security events/compromises.	
7.18	The device must be able to analyse and correlate historical log data.	
7.19	The device must support drill-down of log data so that administrators can easily move from a high level view to detailed analysis of events to follow the trail of an attacker and trace transactions.	
7.20	The device must support advanced report generation using the log data. Report generation must be possible on-demand and on a schedule with automated email notification.	
7.21	The file format for report generation must include: HTML/PDF/CSV formats.	
7.22	There must be built-in templates with sample reports ready for use. The device must support generation of custom reports.	
7.23	The device must support graphical reports with summary views of network traffic, threats, applications etc.	
7.24	The device must have the ability to view logs, track events, view reports and monitor security and network activity, see trends.	
7.25	The device must have the ability to centrally distribute signatures and software updates to all the firewall devices in the solution.	
7.26	The device must support free-text search and correlation of multiple logs.	
7.27	The device must be able to monitor the health and system status of all the firewalls in the solution.	
8	Supply of software license and content update subscription (if required)	
8.1	If any of the specification listed above requires purchase of separate software license and/or Content update subscription apart from the base hardware, it must be specified in the technical specification response sheet and supplied along with the hardware devices. <u>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 five (5) years from the date of commissioning of the hardware.</u>	
8.2	The bidder must supply the necessary software licenses and/or content update subscriptions as necessary.	

8.3	The Content update subscription provided by the bidder must be for a period of five (5) years from the date of commissioning of the hardware.	
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Instruction to Bidders: 1. The bidders must fill in all the required details. 2. The cells where the bidder must fill in the details mandatorily are color coded as follows:		
	Meaning : Information required but not filled in. When the required information is filled in the relevant cell, fill color will automatically get cleared.	
NIT CLAUSE NUMBER	NIT CLAUSE	BID COMPLIANCE
Technical BRC		
1	The bidder must have experience of executing one single order for <u>Next Generation Firewall</u> of minimum value Rs 110.50 Lakhs in last five years from the original bid closing date. OR The bidder must have experience of executing one single order for <u>Next Generation Firewall solution with at least 6 Firewall devices</u> in last five years from the date of bid closing. Documentary evidence in respect of the above must be submitted in the form of a) Purchase Order and corresponding completion certificate. OR b) Purchase Order and any other documentary evidence that can substantiate the satisfactory completion the purchase order.	
2	The OEM of the offered Firewall Product must be in the "Leaders/Challengers/Visionaries Quadrant" as per "Gartner's Magic Quadrant for	
3	Delivery schedule: (a) Software, Hardware & Relevant Licenses: Must be completed within 60 days of placing the purchase order in all the locations as specified against each item. (b) Installation and commissioning: Installation and commissioning of the entire solution shall be completed within 60 days of delivery of equipment.	
GENERAL TERMS		
1	The bidders will be considered as OEM or Non-OEM. OEM may quote directly against the tender. Non-OEM bidders must submit Manufacturer Authorization Form (MAF) to quote against the tender. The MAF must be issued on company letterhead by authorised singnatory of the Original Equipment Manufacturer. The MAF must include name, designation, email and phone number of the authorized signatory, along with the address of the office from where the MAF is being issued. OIL reserves the right to verify the authenticity of such documentation.	
2	The vendor shall quote for all the items as specified in tender. Partial offers will be considered as non-responsive and will be rejected.	
3	The vendor must provide unpriced bill of materials and services (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.	
4	All the hardware appliances shall be from the same OEM.	
5	The vendor must provide technical details of their offered solution by filling in the Vendor's Response Sheet – Annexure-1. The vendor must ensure that information in Annexure-1 is complete and correct.	
6	The vendor 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 vendor in Vendor's Response Sheet – Annexure-1.	
7	All the technical requirements of the tender must be met in totality by the quoted items as on bid closing date.	
8	The proposed solution (including all the Hardware and software) must have minimum five years 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.	

9	The vendor 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.	
SCOPE OF WORK		
10	<p>The scope of the work involves the following:</p> <ol style="list-style-type: none"> 1. Supply of physical appliances with warranty, warranty certificates, software, necessary licenses and documentation 2. Installation, integration, commissioning and user acceptance testing 3. Training 4. Annual Maintenance Services for the entire solution for 4 years 	
DELIVERY OF SOFTWARE, HARDWARE AND RELEVANT LICENSES		
11	Delivery of items must be completed within 60 days of placing the purchase order in all the locations as specified against each item.	
12	The vendor must provide soft copy or hard copy of the OEM product documentation and configuration manual at the time of delivery.	
13	The vendor must provide list of supplied inventory along with OEM serial number/service tag at the time of delivery.	
14	<p>All the required software licenses and content update licenses must be provided in soft or hard copy at the time of delivery.</p> <p>All the supplied software licenses must be perpetual in nature without any requirement for renewal.</p> <p>All the supplied content update licenses (for e.g. firewall signature updates etc.) must be valid for a period of 5 years from the date of successful commissioning of the solution.</p>	
INSTALLATION AND COMMISSIONING OF THE SOLUTION		
15	Installation and commissioning cost must be quoted separately.	
16	Installation and commissioning of the entire solution shall be completed within 60 days of delivery of equipment.	
17	<p>The vendor will be responsible for design, installation, configuration and integration of the solution as per Oil India Ltd.'s requirements fulfilling all Tender specifications. The detailed design document to be prepared in consultation with Oil India Ltd fulfilling OIL's requirements must be submitted to OIL at least 7 days prior to commencing installation and commissioning activities. The actual implementation shall commence after review of the design document and go-ahead from OIL.</p> <p>The design must be as per best practices guidelines published by the OEM. OEM must certify the design prepared by the vendor for correctness and adherence to best practices.</p>	
18	The vendor shall be responsible for any configuration changes required in OIL's existing equipment like routers, switches, firewall, load balancer etc. to integrate the solution with the existing infrastructure.	
19	<p>Installation and commissioning of the solution has to be carried out by an OEM-certified installation engineer with remote support from OEM. The OEM must be involved with the vendor's installation engineer throughout the installation and commissioning activity.</p> <p>The vendor must provide copy of the OEM certificates for the installation engineers assigned to carry out the installation activity at least seven days before start of the installation activity.</p> <p>The submitted OEM certificate must meet the following requirements:</p> <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 	

20	After completion of installation and commissioning activity, OEM must carry out configuration audit of the supplied solution to validate that the installation and commissioning has been completed as per the design and issue a certificate. Installation and commissioning of the solution shall be deemed complete only after successful completion of acceptance testing and submission of configuration audit certificate from OEM.	
21	All interconnecting cables, transceiver optics , power cables and any other required accessories must be supplied by the vendor.	
22	Cable dressing and management with tagging – The vendor 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 vendor.	
23	The vendor must provide documentation for installation and configuration after successful installation and integration of the solution. The documentation must include step-by-step procedures to configure the devices, schematic diagram of the solution showing details of the interconnection and OEM serial number, service tags of the supplied equipment. This document must be submitted to OIL prior to commencement of Acceptance Test.	
24	The installation and commissioning of the solution shall be deemed complete when all of the following requirements are met: a) Completion of delivery of all the items b) Completion of installation, configuration and integration at all the locations c) Submission and OIL's approval for all documentation deliverables as per the tender requirements d) Successful completion of Configuration Audit e) Successful completion of User Acceptance Test f) Successful completion of training 2. OIL will issue commissioning certificate to the vendor after completion of the installation and commissioning	
USER ACCEPTANCE TEST (UAT)		
25	The vendor shall carry out Acceptance Tests for the supplied hardware and software in the presence of OIL's personnel and OEM certified Installation Engineers. The acceptance testing shall be done at IT Department, Duliajan, Assam.	
26	Acceptance tests will be done as per the UAT Plan and shall include the following: 1. Physical Verification: All the received equipment will be powered on and physical specifications of the hardware supplied will be checked against the tender specifications 2. Verification of physical connectivity, cable tagging and labelling 3. Demonstration of all software licenses installed as per tender specifications 4. Demonstration of HA functionality 5. Demonstration of NAT features 6. Demonstration of First Generation Firewall capabilities 7. Demonstration of VPN functionalities 8. Demonstration of IPS functionalities 9. Demonstration of Application Awareness and control 10. Demonstration of Endpoint/User Identity Awareness 11. Demonstration of Web Content Filtering 12. Demonstration of Anti-virus and anti-bot Capability 13. Demonstration of Protection against zero-day threats 14. Demonstration of capabilities of Central Unified Management Device 13.	
27	After completion of UAT, the vendor shall submit detailed UAT report to OIL.	
DOCUMENTATION DELIVERABLES		BID COMPLIANCE
28	The following are the documentation deliverables during various stages of the implementation of the	
	STAGE	DOCUMENT NAME

	7 days prior to commencement installation and commissioning activities	Design Document	
	At least seven days before start of the installation activity.	OEM certificates for the installation engineers	
	After completion of installation but before commencement of UAT	Configuration audit certificate from OEM	
	After completion of installation but before commencement of UAT	Installation and configuration document	
	After successful completion of UAT	UAT report	
	After completion of installation and commissioning	Service Agreement details with OEM for providing AMS	
TRAINING			
29	The vendor must impart training on the supplied solution to at least 4 IT Personnel from OIL. The minimum duration of training must be 5 days.		
30	The training content must include at least the following: 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		
31	The vendor must arrange for necessary training infrastructure. The vendor 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.		
32	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.		
33	Cost of transportation and accommodation of the OIL Personnel for training will be borne by OIL.		
34	The training must be completed before commencement of the installation and commissioning of the solution.		
35	Training cost has to be quoted separately.		
Warranty			
36	All the hardware and software items supplied to OIL for the solution shall be covered under one year Comprehensive onsite warranty.		
37	Warranty certificates must be supplied along with the equipment at the time of delivery.		
ANNUAL MAINTENANCE SERVICES (AMS)			
38	All the hardware and software items supplied to OIL for the solution shall be covered under Comprehensive onsite AMS provided directly by the OEM for a period of 4 (four) years after successful completion of one year warranty period.		
39	AMS cost has to be quoted separately. The vendor must mention the OEM part code for AMS services along with quantity in the unpriced bill of materials.		
40	The vendor must submit the AMS service agreement certificate from OEM (at the time of commissioning) to substantiate that the supplied items (indicating their serial numbers) are covered under AMS for the desired period.		
Scope of Warranty and AMS			
41	During the Warranty and AMS period, any failed device/software under AMS/Warranty 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 vendor. Such replacement/repair activity shall not entail any additional cost to OIL apart from the fixed AMS fee payable quarterly. <u>However since the solution is to be designed in HA mode without any single point of failure, any failed device/software must not affect the functionality of the solution. In case of functionality of the solution being affected by failed device/software, rectification must be done within 6 hours of reporting the failure.</u>		

42	The vendor must supply and implement any firmware/Operating System Update/software update/Patch released by the OEM during the AMS/Warranty period for the offered solution. Such updates must be provided free of cost.		
43	Remote assistance support must be provided within 2 hours of reporting any problem related to the supplied items. For problems which cannot be resolved over remote support, vendor's personnel must visit the site.		
44	The vendor shall be responsible for transportation and accommodation of the vendor's personnel visiting the sites for resolution of any problem.		
45	There will be a single point of contact for reporting any problem related to the offered solution. It must be possible to report problems over both phone and email or online. These details must be provided along with the escalation matrix at the time of commissioning of the solution. OIL must be able to directly log a call with the OEM or contact the OEM for reporting any problem related to the offered solution.		
46	AMS charges will be paid quarterly after completion of the quarter. The vendor must submit appropriate invoices to DGM-IT, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.		
PENALTY TERMS			
47	During the AMS/Warranty period, any failed device/software shall have to be repaired/ replaced with a new/ standby device 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 successful vendor. In case of failure on the part of the vendor to rectify the problem within 120 hours of reporting, a penalty of INR 5000.00 per day per device will be levied. However, maximum penalty in a quarter will not exceed 15% of 2.5% of total cost of the equipment (hardware and software) in the solution.		
48	During the AMS/Warranty period, any reported problem other than hardware failure shall have to be resolved within 72 hours of reporting the problem. In case of failure on the part of the vendor to rectify the problem within 72 hours of reporting, a penalty of INR 5000.00 per day per device will be levied. However, maximum penalty in a quarter will not exceed 15% of 2.5% of total cost of the equipment (hardware and software) in the solution.		
49	During the AMS/Warranty period, if solution functionality is affected due to failure of a single device/software, such problems shall have to be resolved within 6 hours of reporting the problem. In case of failure on the part of the vendor to rectify the problem within 6 hours of reporting, a penalty of INR 5000.00 per day per device will be levied. However, maximum penalty in a quarter will not exceed 15% of 2.5% of total cost of the equipment (hardware and software) in the solution.		
PAYMENT TERMS			
50	Payment against the Hardware and software cost of the solution will be as per the following schedule: 70% - After delivery of material (hardware, software and licenses, warranty certificates) 30% - After issue of Commissioning Certificate for the solution by OIL AND successful completion of training modules.		
51	Total training charges will be paid on submission of consolidated training invoice after successful completion of training modules.		
52	Installation and commissioning charges will be paid on submission of invoices after successful commissioning of the solution.		
53	AMS charges will be paid quarterly after completion of the quarter. The vendor must submit appropriate invoices to DGM-IT, IT Department, Oil India Limited, Duliajan, Assam - 786602, on a Quarterly basis, clearly mentioning the OIL Purchase Order no. and period of billing.		
CONFIDENTIALITY AGREEMENT TERMS			
54	OIL Confidentiality and Non-Disclosure Agreement (NDA) will be applicable and vendor has to submit Non-Disclosure Agreement as per given format duly signed & Sealed by the authorized signatory of the vendor, along with the bid.		

NON-DISCLOSURE AGREEMENT

BETWEEN

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

AND

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

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

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

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

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

ARTICLE 1. DEFINITION

For the purpose of this Agreement,

ARTICLE-1: CONFIDENTIAL INFORMATION

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

ARTICLE 2. CONFIDENTIALITY

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

The Receiving Party agrees in particular:

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

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

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

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

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

ARTICLE 3. EXCEPTIONS

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

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

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

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

ARTICLE 4. RETURN OF DOCUMENTS

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

ARTICLE 5. NO OTHER RIGHTS OR OBLIGATIONS

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

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

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

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

ARTICLE 6. NO WAIVER OF RIGHT ON DELAY

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

ARTICLE 7. APPLICABLE LAW – JURISDICTION

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

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

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

ARTICLE 8. DURATION

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

ARTICLE 9. COMPLETE AGREEMENT

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

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

ARTICLE 10. PUBLICATIONS

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

ARTICLE 11. REMEDIES

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

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

Made on _____, at _____(Place)

On behalf of OIL

On behalf of _____

Signature : _____

Signature : _____

Name:

Name:

Designation:

Designation:

Annexure- DDD

INTEGRITY PACT

Between

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

And

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

Preamble :

The Principal intends to award, under laid down organizational procedures, contract/s for Tender No. **SDI4697P18** The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

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

Section 1 - Commitments of the Principal

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

Section 2 - Commitments of the Bidder/Contractor

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

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

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

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

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

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

Section 4 - Compensation for Damages

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

Section 5 - Previous transgression

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

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

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

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

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

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

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

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

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

Section 9 - Pact Duration

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

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

Section 10 - Other provisions

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

A J SARMAH
MM (IP)

For the Principal

For the Bidder/Contractor

Place. Duliagan.

Witness 1 :

Date 14.05.2017 .

Witness 2 :|

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

ANNEXURE - GGG

**(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.