



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

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**FORWARDING LETTER**

<b>Tender No.</b>	<b>:SDI9360P19DATED 05.10.2018</b>
<b>Tender Fee</b>	<b>: NIL</b>
<b>Bid Security</b>	<b>: Not Applicable</b>
<b>Bidding Type</b>	<b>: SINGLE STAGE COMPOSITE BID SYSTEM</b>
<b>Bid Closing on</b>	<b>: 03.01.2019 (11.00 HRS IST)</b>
<b>Bid Opening on</b>	<b>: 03.01.2019 (14.00 HRS IST)</b>
<b>Tender Type</b>	<b>: Open Tender</b>
<b>Performance Security</b>	<b>: Applicable</b>
<b>Integrity Pact</b>	<b>: Not Applicable</b>

OIL invites Bids for“**FIRE ALARM SYSTEM**”(Qty.- **03 Nos.**)throughitself-Procurement site under **SINGLE STAGE COMPOSITE BID SYSTEM**. The bidding documents and other terms and conditions are available at Booklet No.MM/LOCAL/E-01/2005 for E-Procurement LCB Tenders. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - >Tender Documents.

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

**The tender will be governed by:**

a) **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](mailto:erp_mm@oilindia.in).**

b) **OIL’s office timings are as below:**

	<b>Time (in IST)</b>
<b>Monday – Friday</b>	<b>07.00 AM to 11.00 AM; 12.30 PM to 03.30 PM</b>
<b>Saturday</b>	<b>07.00 AM to 11.00 AM</b>
<b>Sunday and Holidays</b>	<b>Closed</b>

Vendors should contact OIL officials at above timings only.

c) **OIL Bank Details :**

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

d) “General Terms & Conditions” for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005 for E-Procurement of Indigenous Tenders.

e) Technical specifications and Quantity as per **Annexure – I**.

f) The prescribed Bid Forms for submission of bids are available in the Technical RFx->External Area ->Tender Documents.

g) 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.

h) 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).

i) 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”**

**Special Notes:**

**1.0**

- a) Bidders who do not have E-tender Login ID and Password should complete their online registration **at least seven (7) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL’s E-tender site <https://etender.srm.oilindia.in/irj/portal>**

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

**NOTE:**

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

2.0 The tender is invited under SINGLE STAGE-COMPOSITE 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 Technical RFx Response-> Technical Attachment only. **For details please refer “NEW INSTRUCTIONS”**

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 **GM- Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam** 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. Bidders who are allowed to participate against the tender as MSEs must quote their own products failing which their bids will be rejected.**

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 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.

9.0 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 to must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

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

11.0 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.

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

13.0 Bidders are requested to refer to the enclosed **Annexure – BBB** for the Taxes and Duties clauses under GST regime.

**14.0 While submitting the offers bidders are requested to refer to the enclosed Annexure – BB (Price Bid Format and Evaluation Criteria).**

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

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

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

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

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-tenderPortal.



**NOTE:**

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

**Yours Faithfully  
Sd-  
(MINGKU NARZARI)  
MANAGER MATERIALS (IP)  
FOR GM-MATERIALS**

**Tender No & Date: SDI9360P19 dated 05.10.2018**

**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>	<b>Complied / Not Complied. (Remarks if any)</b>
<p><b>1.0 BID REJECTION CRITERIA (BRC):</b></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><b>A) TECHNICAL:</b></p> <p>Bidder should have the experience of successfully executing <b>at least 1(one) “similar order”</b> amounting to <b>Rs. 4.30 Lakhs</b> in preceding <b>5(five) years</b> as on the original Bid Closing Date.</p> <p><b>“Similar Order”</b> means <b>“Supply &amp; commissioning of Automatic Fire Detection &amp; Alarm System/ Automatic Fire Detection, Alarm and suppression System”</b>.</p> <p><b>Note:</b> Documentary evidence in respect of the above should be submitted <b>in the form of copies of relevant Purchase Order</b> <b>along with</b> copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as –</p> <ul style="list-style-type: none"><li>(i) Satisfactory Inspection Report (OR)</li><li>(ii) Satisfactory Supply Completion / Installation Report (OR)</li><li>(iii) Consignee Received Delivery Challans (OR)</li><li>(iv) Tax Invoices issued under relevant rules of GST (OR)</li><li>(v) Any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above.</li></ul> <p><b>Note:</b></p> <p><b>a) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.</b></p>	

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

## **B) FINANCIAL**

a) Annual Financial Turnover of the bidder during any of preceding 03 (three) financial / accounting years from the original bid closing date should be at least Rs. 4.30 Lakhs.

b) Net Worth of the firm should be **Positive** for preceding financial / Accounting year. (FY=2017-2018)

**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 2017-18 (As the case may be) has actually not been audited so far'.

### **Notes:**

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

i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE-J.

**OR**

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

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

## **C) COMMERCIAL:**

i) Validity of the bid shall be minimum 90 days from the Bid Closing Date.

ii) Bids are invited under "Single Stage Composite 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.

iii) Performance Security:

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

The Performance Security shall be in the following form :

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

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

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

iv) 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.

v) 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.

vi) 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.

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

**viii) 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) Annual Turnover of a bidder lower than the Annual turnover mentioned in the Tender.**



**NOTE: FOR CLAUSE NOS. C(iii) OF PBG.**

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

The bank guarantee issued by the bank must be routed through SFMS platform as per following details:

- (i) "MT 760 / MT 760 COV for issuance of bank guarantee.
- (ii) "MT 760 / MT 767 COV for amendment of bank guarantee

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Duliajan Branch, IFS Code - UTIB0001129, Branch Address - AXIS Bank Ltd, Duliajan Branch, Daily Bazar, Jyotinagar, Duliajan, District - Dibrugarh, PIN- 786602

**2.0 BID EVALUATION CRITERIA (BEC)**

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

**A) TECHNICAL:**

- i) The bid will be evaluated strictly as per NIT specification, terms & conditions.

**B) COMMERCIAL:**

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

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

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

**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 &amp; Date: SDI9360P19 dated 05.10.2018

	Complied / Not Complied. (Remarks if any)
<p><b><u>Item No. 10: FIRE ALARM SYSTEM (Qty: 03 Nos.)</u></b></p> <p>Technical specification for Fire Detection and Alarm System at OIL's Materials Godowns at Duliajan, Assam.</p> <p>Design, supply, installation, testing, commissioning and handing over of automatic Fire Detection And Alarm System as per IS-2189</p> <p>A. Fire Detection And Alarm System</p> <p>1.0 Scope of work includes design, supply, installation, testing, commissioning, training to the user personnel about maintenance and handing over the system in operating condition.</p> <p>2.0 Plan and Dimension of the area to be protected.</p> <p>2.1 Three Nos of Materials Godowns at Duliajan, Assam</p> <p>2.2 Dimensions of the Godown are as follows:</p> <p>Godown No.1 :</p> <p>30 M (Length) X 14 M(Breadth) X 2.6 M (First Floor Rack Height) X 1.7 M (Second Floor Rack Height)</p> <p>Godown No.2:</p> <p>30 M (Length) X 19 M(Breadth) X 2.4 M (First Floor Rack Height) X 2 M (Second Floor Rack Height)</p> <p>Godown No.5:</p> <p>21 M (Length) X 16 M(Breadth) X 2.4 M ( Height)</p> <p>3.0 Technical Requirement:</p> <p>3.1 General Specification:</p> <p>3.1.1 The automatic fire detection and alarm system should comprise of conventional automatic detectors, Beam detectors, Conventional manual call points, Response indicators, 2 zone microprocessor based conventional control panel, Conventional indicating equipment, Signaling appliances (Alarm/Hooters with flashing light and siren), maintenance free stand by batteries, Conduits for cables, Electric output, Zone cards, monitor cards etc.</p> <p>3.1.2 The alarm system shall be activated by conventional automatic detection devices and by conventional manual operation of manual call point and manually from main control panel in case of failure of automatic system.</p> <p>3.1.3 The panel should be capable of activating all the notification devices (Hooters/strobes, bell)</p> <p>3.1.4 All cabling to the field devices (detectors, MCP, Hooters/Strobes) should be monitored for short &amp; open circuit by the fire alarm panel.</p> <p>3.1.5 Major components of the system, shall be UL listed/ISI marked, Particularly smoke detectors, beam detectors, control panel, signalling appliances &amp; manual call stations etc.,</p> <p>3.1.6 The Automatic Fire Detection &amp; Alarm System should reliably transmit the detection signal and translate this signal into a clear alarm indication.</p>	

- 3.1.7** The system should not get inoperative partially or fully by the fire or the phenomenon to which is designed to detect.
- 3.1.8** The component used in the system should be compatible with each other.
- 3.1.9** Design shall incorporate facilities to check the operational efficiency of the complete system at regular intervals.
- 3.1.10** All the components shall be new, recent manufacture and shall be installed in accordance with relevant codes.
- 3.1.11** Detector spacing and location is to be designed considering coverage of approx. 250 sq. ft per detector.
- 3.1.12** Caution Signs to be displayed properly.
- 3.2** Power supply
- 3.2.1** The control panel shall have a solid state, high speed switching power supply with 24V DC output capable of responding instantly to voltage and current surges on the input and output sides to protect the system from malfunction and damage. A supervised battery charging circuit (with battery charging facility) and ground fault sensing circuitry shall be an integral part of the Power supply. Battery power supply shall be "on-line" such that batteries will supply power to the system in the event of an AC power loss without a power transfer relay. The panel should operate from 240V, 50Hz AC power. No voltage supply from any other source than the Primary power 230 VAC and the panel 24 VDC power supply shall be utilized.
- 3.2.2** The control panel should house its own sealed maintenance free (SMF) stand by battery. Batteries shall be sized to provide a minimum 24 hrs stand by power & five minutes of alarm operation, but in no case shall be less than 8 AH capacity. Batteries shall be supervised and provide a trouble signal upon disconnect, open or shorted cell. A separate battery enclosure shall be provided if battery calculations indicate the need for battery capacity in excess of that stored in the control panel, a separate battery enclosure shall be manufactured by the control panel manufacturer and shall be of similar in appearance to that of the control panel enclosure.
- 3.3** Control panel
- 3.1** A wall mounted microprocessor based conventional alarm control panel shall be located at a convenient location which can be viewed easily by the godown personnel. The control panel shall be housed in steel enclosure and should be UL/ISI approved. The provision for front door locking of the control panel with transparent window to see functions from outside should be incorporated.
- 3.2** The conventional fire alarm control panel shall have inbuilt audio buzzer & the following LED indications.
- . Fire alarm (One per zone)
  - . Trouble (One per zone)
  - . Maintenance (One per zone)
  - . AC power
  - . Power Trouble
  - . System Trouble
  - . NAC fault
  - . NAC disable
  - . Walk test
  - . Earth fault
  - . Battery fault
  - . Battery charge fault
- 3.3** The fire alarm control panel can be operated on the cross-zone concept with different detectors in cross zone.
- 3.4** The fire alarm panel should have supervised NAC(Notification application

circuit)for fire and fault condition.

**3.5** The detector zone & NAC circuit can be isolated during maintenance /servicing of the system. The panel should display the zone & the NAC isolation.

**3.6** The panel should have the walk test feature to test the detectors.

**3.7** The panel should have the feature of monitoring the cable from panel to hooters.

**3.8** The main panel should have a Back-lit Super Twist Alpha Numeric LCD Display screen, which may be visible under any lighting condition.

**3.9** At least 40 character of the LCD display should be available for customer text to describe the location of a zone or device.

**3.10** The memory of the panel should be non-volatile. Systems requiring a power source to maintain site-programmed data are not recommended.

**3.11** The control panel should be fully site programmable by Laptop /computer i.e. programmable, configurable and expandable without the need for any special material/equipment/instrument to enable such programming.

**3.12** It should allow for sensitivity/ alarm level programming for sensor so that the system can be tailored to relevant site conditions.

**3.13** Electronic components of the unit should be completely shielded to protect against False Alarms due to EMI and RFI.

#### **3.4 Signaling Appliances**

**3.4.1** Audio and visual alarm at the panel to be incorporated.

**3.4.2** Dual tone electronic hooter with flashing lamp, single tone alarm signal to generate with output of 80 dBA & 110Cd at 10 feet when any detector/MCP from the godown detects the fire should be UL listed/ISI marked.

**3.4.3** An alarm bell should also be provided with loud resonant sound to attract attention of the godown personal at the office. The alarm bell shall have under dome strikers & operating mechanism & operate on 24 V DC & motor driven. The gong on the said bell should be at least 10 inch & should produce 80dBA sound. Should be UL listed/ISI marked.

#### **3.5 INITIATING Device:**

**3.5.1** Multi criteria detector- Detectors with light scattering type, photoelectric smoke sensor and a fixed temperature type heat sensor to sense changes in air samples from its surroundings. The integral microprocessor shall employ time based algorithms to dynamically examine values from both sensors simultaneously and initiate an alarm based on that data. The detector shall continually monitor any changes in sensitivity due to the environmental effects of dirt, smoke, temperature, aging and humidity. The detectors should have 360degree viewing LED. Separately mounted photoelectric detectors and heat detectors in the same location are not acceptable alternatives.

**3.5.2** Beam detectors: The detector shall be a 4 wire conventional reflected beam smoke detector. The detector shall include a transmitter and a receiver both within the detector unit. The detector shall allow for beam alignment between the detector and the reflector to be done at the detector. The detector shall be capable of automatically adjusting its sensitivity by means of advanced software algorithms. The detector shall be rated for use in temperature between -22 deg. F and 131 deg F. The detector LED should blink green during normal operation, yellow during fault & red during fire detection.

**3.5.3** Manual call point: Conventional dual action pull type manual call point should be installed at the entrance/exit of the godown. The activation of the MCP should activate the alarm immediately.

**3.5.4** Bidder should mention the logic of selection of the detector with coverage area, type, nos of detectors in that room, calculations etc.

#### **3.6 Cabling:**

**3.6.1.** Cabling for fire alarm system shall be 1.5 x 2 core ATC FRLS Armoured cable (ISI

marked) cables with an overall FRLS (Fire Retardent low smoke) covering cable shall be 500 V grade fire survival cable should be used for cabling. The cable should be supported at every metre.

**3.6.2** No joints shall be allowed between two points. The sleeve at joints shall be shaved off like a panel and shall not be cut square to avoid cutting of conductors. Cabling shall be completely installed, field connection made and tested for stray voltage, short circuits, and ground faults prior to connection to the intelligent modules.

**3.6.3** Red and black must be used for 24 VDC panel power circuit. Audio visual indicating circuits shall be colour coded. Colour shall not be duplicated in the same panel.

**4.0** Sequence of operation:

The system shall be designed and installed as per IS-2189 & OEM's recommendation.

a) Actuation of any one detector/MCP in the godown.

i) Switch on the Hooter/Strobe & the alarm bell.

ii) Fire LED & the buzzer at the pabnel.

**B. General**

**1.0** Spares : All Spares to be provided free of cost for maintain the system during the warranty period.

**2.0** The supplier shall arrange for all labours/supervisors and all tools and tackles for testing and commissioning of the system.

**3.0** System drawings :The supplier shall specifically prepare plan which are to an indicated scale with lettering not smaller than one-eighth inch easily reproducible. These plans should have piping, location ,type and quality of detectors, system components, control panel ,zone, detector indicator , alarm system, etc. Electrical System schematics and diagrams shall be provided, including a description of all interlock functions. relevant leaflets/literature & catalogue ,data sheets and make with proper certificate of all the equipment used in the system shall be provided.

**4.0** Piping/conduits, cards, relay, hooter, detector etc shall be of reputed manufacturer with UL/ISI approvals. Whenever the codes or certificates for equipments are available, it should be supplied along with the offer.

**5.0** Two sets of user/service/testing manuals to be provided.

**6.0** The supplier shall arrange for:

**7.0** A. All the material required for installation.

B. All civil works connected with installation.

C. Required no of A.C. cable for connecting power supply to control panel. A.C. power supply shall be available in the godown and in the office room is around 10 feet from the go down.

**C:Terms & Conditions:**

**1.0** Inspection and testing: Final acceptance of the material will be subjected to approval at the site. Factory acceptance testing shall not relieve the SUPPLIER OF THE RESPONSIBILITY TO DEMONSTRATE THE PERFORMANCE OF INSTALLED SYATEM AT THE SITE. During commissioning company's engineer will be present at the site. Installed job also will be subjected to be inspected by companies engineer.

**2.0** System checkouts, training and acceptance: After completion of the installation, the supplier shall familiarize our personnel with system components, system functions and recommended procedures. At this time a functional test of the system shall be demonstrated. The supplier will provide complete operation and maintenance manual as well as written of any functional tests conducted. The supplier shall be capable of conducting annual inspection and be equipped to recondition the complete system whenever required. Duration of training, on the site training and material covered and training aids available shall be monitored in the offer.

<b>3.0 Erection work will be allowed to be started only after approval of detailed engineering drawing by OIL.</b>	
<b><u>Item No. 20 : INSTALLATION &amp; COMMISSIONING:</u></b>	<b>1 AU</b>

**NOTE:**

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

**Special Notes:**

- i) The Scope of work includes design, supply, installation, testing, commissioning, handing over Automatic Fire Detection & Alarm System and subsequent training to user on operation and maintenance of the supplied Automatic Fire Detection & Alarm System as per annexure-I attached. No extra cost shall be borne by OIL for training purposes.
- ii) Bidder has to quote year wise comprehensive AMC Charges separately (i.e. the AMC charges should not be quoted inclusive in the unit price of the items) for four (4) years after completion of initial warranty period for all items to be supplied against this tender and it shall be a part of evaluation criteria. However, OIL reserves the right to enter into AMC. A separate contract for the AMC (Annual Maintenance Contract) is to be entered with the supplier after expiry of the Warranty Period). During the AMC period, service engineer to make at least one visit during six months (i.e. minimum 8 visits in 4 years) besides emergency call, if any. Payment for AMC charges shall be processed twice in a year i.e. after each successful visit. Bidder to note the same while quoting AMC charges. The quoted AMC charges will be considered for bid evaluation.
- iii) The supplier shall be responsible for safety of its personnel and equipment during commissioning work.
- iv) The warranty period of supplied Automatic Fire Detection & Alarm System should be a minimum of 12 months from the date of commissioning of the item.
- v) Bidder are requested to visit the site at OIL's Materials Godowns at Duliajan, Assam before submitting their offer at their own cost to assess the exact requirement.

**Technical Bid Checklist****Annexure-EEE**

Tender No.			
Bidder's Name :			
		<b>Compliance by Bidder</b>	
Sl. NO.	BEC / TENDER REQUIREMENTS	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 Received Delivery Challans (OR) (iv) Central Excise Gate Pass / Tax , Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of the purchase order cited above.



**Response Sheet**

Annexure-FFF

Tender No.
Bidders Name

**Bidders Response Sheet**

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

**NOTE: Please fill up the greyed cells only.**

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

**(TO BE FILLED UP BY ALL THE VENDOR IN THEIR OWN LETER 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.