

IMPORTANT NOTE

BID DOCUMENT HAS BEEN DISPLAYED BELOW TO UNDERSTAND THE REQUIREMENT ONLY. PARTIES INTERESTED TO PARTICIPATE AGAINST THIS TENDER SHALL HAVE TO PURCHASE THE TENDER DOCUMENT FROM ANY OF OIL'S DESIGNATED OFFICES MENTIONED IN THE TENDER NOTIFICATION. PROOF OF PURCHASE OF TENDER DOCUMENT MUST BE SUBMITTED ALONG WITH THE OFFER FAILING WHICH OFFERS SHALL BE TREATED AS UNSOLICITED.

OIL INDIA LIMITED
(A Govt. of India Enterprise)
4, India Exchange Place,
Kolkata – 700 001.

OIL INDIA LIMITED (OIL) invites sealed tenders for supply of the following items :-

Srl. No.	Tender No. (Bid Closing Date)	Materials Description	Single Order Value in (Rs. Lakhs)	Annual Turnover in (Rs. Lakhs)
1.	KID6879P10/04 (19.03.2010)	Working Platform for Well Servicing Operation.	11	22
2.	KID6880P10/07 (19.03.2010)	Air Circuit Breaker, 800 A	11	22
3.	KID6883P10/09 (19.03.2010)	Safety Station with Eye / Face Wash.	8.00	17
4.	KIS6877P10/01 (19.03.2010)	Bitumen.	18	36
5.	KIS6885P10/04 (19.03.2010)	Overall / Boiler Suit. (two bid)	20	40
6.	KID6878P10/04 (26.03.2010)	Design, Supply & Commissioning of Smoke / Fire Detection & Alarm System for Gas Turbine Power Plant.	16.00	33
7.	KID6881P10/08 (26.03.2010)	Diesel Engine Driven Drenching Pump Sets.	12	24
8.	KID6882P10/08 (26.03.2010)	Diesel Engine Driven Drenching Pump Sets.	12	24
9.	KID6886P10/02 (26.03.2010)	Flow-cum-Pressure Recorder.	19	38

2.0 Bid documents (Non transferable) can be purchased from **22.02.2010** till one day prior to the respective Bid Closing Dates on payment of tender fee of Rs. 1000.00 each through Crossed Demand Draft in favour of M/s. Oil India Limited payable at the place of purchase (excepting for PSUs and SSI units registered with NSIC/Directorate of Industries for the item) from (A) Head (Calcutta Branch), Oil India Limited, 4,India Exchange Place, Kolkata - 700001 (B) Head Materials, Oil India Limited, P.O. Duliajan, Assam - 786602 (C) Sr. Adviser (Contract & Purchase), .Oil India Limited, Plot No. 19, Sector-16A, Noida – 201301 (D), Sr. Materials Manager (Pipeline), Oil India Limited, P.O: Udayan Vihar, Guwahati - 781171.

3.0 To be eligible for issue of tender documents, the applicant must meet the following qualifying criteria (documentary evidence to be provided) :

(i) Successful execution of a single order of value not less than the amount shown above for supply of similar items during last five years.

(ii) Annual turnover of the firm in any of the last three financial years or current financial year should be more than the amount shown above.

4.0 Bidders may visit OIL's website www.oil-india.com for further details on the above tenders.

CORRIGENDUM

1. The Bid Closing Date against Tender No. KID6200P10/09 for 4D Ultrasonography Machine has been extended to 05-03.2010 (14.00 Hrs).
2. Tender Nos. KIS6057P10/04 for Overall / Boiler Suit and KID6194P10/01 for Tent have been cancelled.

* * *

OIL INDIA LIMITED

(A Govt. Of India Enterprise) Tel :033 2230 1657, 1658
 4, India Exchange Place, Fax :91 33 2230 2596
 Kolkata-700001 E-mail :oilcalmn@cal2.vsnl.net.in

Tender No. & Date : KID6878P10/04 09.02.2010

Bid Security Amount : INR 85,000.00 OR USD 0.00
 (or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 26.03.2010 at 14:00 hrs. (IST)
 Bid Opening On : 26.03.2010 at 14:00 hrs. (IST)

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
<u>10</u> 0C000161	<p>Design, supply, installation, testing and commissioning of Smoke / Fire detection & Alarm system, suitable for Gas Turbine Power Plant at Duliagan Power Station, Assam.</p> <p>A. System Specifications</p> <p>A1. General The system shall be capable of detecting the following with 100% reliability i) Smoke and Fire ii) Rate of rise of temperature The system shall be capable of running continuously without interruption.</p> <p>A2: Type of Fire/Smoke The fires/smokes that may occur in the power station area includes fires/smokes from i) Natural Gas ii) Lube Oil iii) Power/Control cables iv) Transformer Oil v) Diesel vi) Paints vii) Hot surfaces of equipment viii) Live electrical equipments/machines</p> <p>A3: Areas The system shall be capable of detecting smoke / fires in the following areas: Sl. No. Description of Room/Area with approx. Dimensions (lxbxh), meters</p> <p>1. Turbine Hall (Houses the two nos. 14.45 MW Gas Turbines) Size of turbine hall = 85 x 13 x 9</p> <p>2. Power Switchgear Rooms (HT)- 2 nos. (Houses HV Electrical Switch Gears) HT switchgear room 1 : 20 x 6 x 3.5 HT switchgear room 2 : 13.4 x 5.8 x 3.5</p>	1	NO

Tender No. & Date : KID6878P10/04

09.02.2010

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>3. Power Switchgear Rooms (LT) (Houses MV and LV Electrical Switch Gears) LT Switch Gear room : 6.5 x 4.5 x 3.5</p> <p>4. Central Control Rooms (2 nos) (Houses the Control Panels of GTs and HV switchgears) Central Control Room : 16.5 x 9.8 x 3 Central Control Room extension : 16 x 5.8 x 2</p> <p>5. Local Control Rooms (2 nos - 1 with each Turbine) (Houses the PLC control panels) 8.6 x 6.6 x 3 (each)</p> <p>6. Cable cellars / pits for HV switch gear rooms - 2 nos (Cable spreading areas) No. 1 : 20 x 6 x 3.5 No. 2 : 13.4 x 5.8 x 3.5</p> <p>7. MCC Cabinets - 4 nos (Motor Control Centre and auxiliaries of the plant) 2 x 0.5 x 2.2 (each)</p> <p>8. Station transformer Rooms - 2 nos. (Houses 500 KVA, 11 KV/400 V transformers) 3 x 3 x 2.5 (each)</p> <p>9. Battery Room (Houses Battery Banks of the Plant) 8 x 5 x 4</p> <p>10. Diesel Engine Room (Houses 200 KVA Black Start DG Set) 6.3 x 4 x 4</p> <p>11. PLC cabinets in Local Control Roomm - 2 nos (Contains the equipments of PLC control system) 2 x 1 x 2.5 (each)</p> <p>12. Stores in Turbine Hall (Store area for kee[ping tools and tackles) 6.5 X 3.5 X 4.5</p> <p>13. Spares room near BSD Room (Room for keeping spares) 6 X 3 X 3.5</p> <p>14. Cable Trenches (UG routes for Power and Control Cables) 50 X 1 X 1</p> <p>15. Cable Trays (Routes for cables in CCRs, LCRs, Cellars, Swgr rooms, MCCs, Battery</p>		

Tender No. & Date : KID6878P10/04

09.02.2010

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>room, DG Room, Spares Room, Stn Transformer rooms) 50 X 0.5 X 0.2 (While designing the system, care shall be taken to include possible effects of false ceilings, as well as effects of UV in sunlit areas, etc)</p> <p>A4: Panels: The system shall have one central "Smoke/Fire Alarm control Panel", to which all smoke sensors / detectors shall be connected. This fire alarm panel will process all signals coming from the Sensors / detectors, and raise audible and/or visual alarm accordingly.</p> <p>a) The panel shall be of "addressable" type, having a central Processing Unit (CPU), and shall be able to address each sensor/detector individually. b) It shall have the capability to be adjusted to the sensitivity of each sensor. It shall also be able to take inputs from auxiliary devices like manual fire call points, emergency switches etc. c) It shall have potential free contacts for external alarm / indications, as well as to activate remote devices. d) The panel shall be able to detect and distinguish faulty Sensors / detectors / signals, and isolate the faulty sensor / detector / signal immediately, without disturbing the rest of the system. An alarm or indication shall be available upon isolation of such sensors/ detector / signal. A break in the communication / signal cable linking the sensors / devices (e.g. fire call points, hooters) shall not render the panel inoperative. An alarm or indication shall be available upon occurrence of such condition. e) The panel shall have capability to interface with a GUI device (computer). f) The panel shall have its own integrated display (LCD/VFD) that is capable of indicating the various alarm situations and other messages. g) The panel shall be capable of communicating with a minimum of 99 intelligent detectors (Ionization, Photoelectric, or Thermal etc) and 99 intelligent modules (monitor or control). h) The space required by the panels, as well as the type of mounting (floor / wall) shall be indicated by the bidder. The control panel will be installed in the existing Central control room. i) The control panel shall have its own source of power supply (battery bank with charger), to prevent failure of the system if mains power fails. j) There shall be a mimic panel to show status of the addressed sensors/detectors at the central control room.</p> <p>A5: Sensors / Detectors: i) All Sensors / detectors supplied shall be suitable for integration into the system. ii) Bidder shall indicate the type of sensors / detectors employed, viz. Temperature sensor, UV sensor, air analyzer, photoelectric type, ionization type etc., in the system. iii) Suitable Sensors / detectors shall be employed for areas with and without ceilings. iv) In Hazardous areas Sensors/detectors shall be suitable for the respective zones. v) The Sensors / detectors shall be capable of functioning during mains power failure. Also, periodic supply interruptions / voltage variations shall not damage the sensor.</p>		

Tender No. & Date : KID6878P10/04

09.02.2010

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>vi) Sensors / detectors shall have a distinct visual indication on its body, of normal operation as well as abnormal operation (both indications shall be clearly distinguishable). Failure of this visual indication shall not render the sensor inoperative. This visual indication shall be visible from a distance of minimum 5 meters.</p> <p>vii) Each sensor shall be marked to indicate its type, power supply requirements, date of manufacture, maximum period between two successive services or inspections, name of the manufacturer.</p> <p>viii) All Sensors / detectors shall have its wiring instructions, voltage levels, contact configurations etc. clearly defined.</p> <p>ix) Bidder shall clearly indicate if the system (panel) accepts inputs only from specified/proprietary Sensors / detectors, or it can take input from any "off-the shelf", standard make Sensors / detectors.</p> <p>A6 : Quantity Party shall assess the exact requirement as per site requirements.</p> <p>A7 : Cabling All cabling of the system and field devices / peripherals has to be of FRLS type with adequate mechanical protection. Cables shall be run through metal conduits (wherever it runs over ground), or through cable trenches.</p> <p>A8 : Alarms a) The panel shall have potential free relay contacts to support an alarm system. The system shall produce a visual / audible alarm upon detection of fire / smoke, as well as pinpoint the exact location of the fault. b) It shall have the provision of remote indication of fault / alarm. c) The ambient noise level in the turbine hall is about 100 dB. The alarm signal from the fire detection system shall be audible and discernable above this sound level. d) The system shall be immune to unwanted alarms, e.g., it shall not respond to heat / smoke from welding operations.</p> <p>A9 : Future upgrades Provision shall be kept in the system for integrating the same with suppression system in future. It shall also have adequate spare capacity to be expandable for extensions to the existing power plant.</p> <p>A10 : Ambient operating conditions The ambient temperature of the region is about 40 Deg C in the summer. It also has high humidity (approx. 85~95% R.H.). The system, and all its components and accessories shall work satisfactorily in such conditions.</p> <p>A11 : Standards Any smoke detector / sensor used in the system shall conform to IS: 11360:1985 (Reaffirmed 1995) - "Specs for smoke detectors for use in automatic electrical fire alarm system.", or equivalent. Any heat detector used in the system shall conform to IS 2175: 1988 "Specification for heat sensitive fire detectors for use in automatic fire alarm system", or equivalent.</p>		

Tender No. & Date : KID6878P10/04

09.02.2010

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>B. General Notes</p> <p>a) All equipment and components shall be new, and the manufacturers current model.</p> <p>b) The design shall be vetted by their principal for effective functioning of the system. The materials, appliances, equipment and devices shall be tested and listed by a nationally recognized approvals agency for use.</p> <p>c) The design and drawings shall be submitted to OIL within one month from the date of receipt of Purchase order for approval.</p> <p>d) OIL reserves the right of pre-dispatch inspection of material for which fifteen days prior information will be given by the party. The material shall be kept ready for inspection within two months from the date of approval of drawings. Materials shall be dispatched immediately on receiving dispatch clearances by the party from OIL.</p>		
	Installation and commissioning		
10	Installation and commissioning	1	AU

- Special Notes** :
- The bidder must submit technical literature / catalogue of the offered product in duplicate along with the offer, failing which offer may be liable for rejection.
 - Materials must be guaranteed for fabrication, workmanship and performance for a period of 18 months from the date of despatch or 12 months from the date of commissioning whichever is earlier and relevant guarantee certificates have to be provided along with the bill / despatch documents.
 - The bidder shall have to assess the exact requirement of quantity and type of sensors/detectors/cabling etc and appropriateness of the system offered with the site conditions. Layout of the areas is provided for general information. If so desired, bidder may visit the site and survey the area to satisfy himself with more details. This visit shall be at no extra cost to OIL.
 - In their offer, the bidder shall categorically confirm that the system offered with all accessories and components shall be sufficient for the areas mentioned in the tender specifications and shall effectively meet the requirement of Smoke/Fire detection in the event of any Smoke/Fire from, any spot within the given areas. Any deviation shall be specifically mentioned. A proposed scheme for the Smoke./Fire detection system shall be submitted along with their offer.
 - The bidder shall have designed, supplied, installed tested and completed in their own name at least two works of similar nature, in Central Govt./ State Govt./Public Sector Undertakings/Power Stations. Documentary evidence of such completed works shall be enclosed along with the name of client, location, order number with date of placement of order, date of installation and commissioning, client's contact person's name & telephone no. and satisfactory completion certificate.
 - The bidder Shall have fully equipped operational service centre atleast for last two years with qualified and trained engineers located in India. Details of the same shall be enclosed, indicating list of equipments, engineers with contact nos. of service centre in India.

7. The bidder shall be responsible for obtaining required approvals from various statutory/local authorities including fire authority.
8. The bidder shall quote separately for supply of items and installation and commissioning job.
9. Bidder shall quote for spares for a minimum two years to be maintained at site. The quote will be furnished on per unit of spares, cables etc.
10. The bidder shall submit with the bid, two sets of all the technical literature, containing exhaustive information related to the products used and working/operation of the same.
11. Packing of the materials shall be adequate to avoid transit damage.
12. Guarantee: The complete system, along with all its components and accessories shall be guaranteed against manufacturing defects/Commissioning defects and workmanship for a minimum period of twelve (12) months from the date of successful commissioning.
13. PAYMENT TERMS :
 - i) Supply of items : 70% against dispatch of items and 30% after successful commissioning.
 - ii) Commissioning: 100% after successful commissioning.
14. Performance Bank Guarantee : On placement of order, 10% of the total cost of supply of items shall be submitted by the bidder as PBG which will be released after completion of guarantee period, i.e, 12 months from the date of successful commissioning of the full system.