Other than the vendors to whom the tender has been issued , interested vendors who wish to participate in the tender may apply with proper credentials and other relevant details so as to reach HEAD CALCUTTA BRANCH ,OIL INDIA LIMITED , 4, India Exchange Place, ICC BUILDING ,4th floor, Kolkata 700001,
FAX NO: (91-033) 2230 2596 ,E-mail:-oilcalmn@oilindia.in within 10 days of publication of the tender on OIL's website.

The vendors must fulfil the following conditions :

i) The party should have three year's experience for the same item.

ii) The party should have received one order for at least 50% quantity in last three years for the item from any reputed firm.

iii) Annual turnover of the firm in any of the last three financial years or current financial year should be more than Rs. 23.35 Lacs.

NOTE : (i) Relevant documents in support of experience, last order and annual turnover must be submitted along with the application.

(ii) Application without complete supporting document will not be considered.

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 : KID2424L14/02 31.01.2014

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

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 22.04.2014 at 14:00 hrs. (IST)
Bid Opening On : 22.04.2014 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
10 99076765	GPRS& SMS (2G/3G) Based Wireless Remote Data Acquisition/ Connectivity System : (A) The GPRS& SMS (2G/3G) Based Wireless Remote Data Acquisition System should consist of the following major equipments and server/console application software: 1.0 2G/3G Based Stand Alone Wireless Data Acquisition Node (For Remote Location): Specifications: i) The nodes should be a single portable hardware unit. ii) Each Data Acquisition node should be capable of fetching data from existing Cameron make flow computers SCANNER 2000 installed in six(6)different remote BOO Compressor stations through RS485 serial communication link. iii) Each node should be capable of sending fetched data from the flow computers to the central database server through wireless 2G/3G connectivity. The data fetching interval should be programmable for each node. At least 10 to12 floating point registers (32 Bit) are to be fetched from the flow computers (details of the registers will be communicated later). The fetched data should be stored with local time stamp along with other node information like node name, serial numbers etc. iv) Each node should have provision for programming its configuration data like unique identification tag, MODBUS slave address of flow computers, Real-Time-Clock etc. USB link is preferred for programming the nodes from PC application software. v) The SIM Card (SIM card will be provided by Oil India Limited) with data connectivity for each wireless node to be placed in the cabinet for easy accessibility of inserting & removing SIM. Each node should be capable of accommodating SIM cards of different service providers. vi) The nodes should be facilitated with proper display (Graphics LCD back-lit display with at least 128x64 pixel resolution is preferred) for system information (like GSM operator name, Time & Date, GSM signal strength etc), real-time diagnosis and real-time process information. vii) Each node should have provision for sending (reply SMS) real-time data directly to the sender as and when received 'SMS' request from the user mobile. viii) The above nodes to be placed in the existing operator room which is	1	LOT

Tender No. & Date : KID2424L14/02 31.01.2014

Item No./ Mat. Code	Material Description	Quantity	UOM
	within 50-100 Mtrs. (approx.) from the flow computer. ix) Each node should be capable of storing fetched data in built in non-volatile memory in case of unsuccessful attempt for sending data to remote server (due to failure of wireless connectivity). The capacity of such memory should be for at least two days for the smallest fetching interval. x) Each node should be equipped with sufficient built-in battery back-up facility for providing power during power failure for at least 48 hours in addition to the powered from 220V AC mains. Equipment minimum wattage to be provided. 1.1 PC based Configuration Software for GPRS nodes: Specifications: i) The PC based application software should be capable to configure the following parameters: a. Unique identification tag b. Login user ID &password for data server c. Upload interval d. GPRS APN e. MODBUS slave address f. Activation of instant SMS alarm g. At least five mobile numbers for sending alarm SMS h. Real-Time-Clock ii) User friendly graphical interface should be provided for easy programming of the GPRS nodes. iii) Operating System: Windows 7 or higher. iv) The console application should detect the nodes automatically when connected through USB. 2.0 SMS Server Node: Specifications: i) The node should be a single portable hardware unit. ii) The system should be facilitated with centralized SMS service. The main function of the SMS Server is to provide SMS as and when requested from users through SMS. iii) The server should be a stand-alone equipment capable of accepting SMS and analysing it for providing data for the requested node from central data server through 2G/3G wireless network. iv) The SMS Server node should be placed at any location as desired by Oil India and should be physically re-locatable. v) The SMS Server should collect last stored Data from the central Server. Necessary SIM for the SMS server node will be provided by Oil India. vi) The hardware should be facilitated with sufficiently large LCD display for viewing all related parameters and real time status monitoring. vii) The request SMS format should contain node name, desired parameter and authentication codes based on which it will return SMS to the sender. viii) The APN of the service provider of the SIM should be easily programmable for GPRS connection. ix) The node should be powered from 220VAC mains. 3.0 PC based Application Software for local Data storage: Specifications: i) The PC based console application should be capable of fetching node data from the database server application at regular intervals and the data should be stored in Excel format in local computer. ii)Operating System: Windows 7 or higher 4.0 Android Applications for Data Monitoring& Tablet with Android 4.0 or		

Tender No. & Date : KID2424L14/02 31.01.2014

Item No./ Mat. Code	Material Description	Quantity	UOM
	latest: Specifications: i) The Android Apps is an interactive data fetching application software capable of running in android based tablets and smart-phones. ii) The Apps should be able to fetch and display all necessary primary information and stored data from the central database server on the basis of user selectable parameters through wireless networks (2G/3G/WiFi). iii) The Apps should be compatible for running in equipment having ICS (Ice-Cream-Sandwich) or higher versions. iv) Provision should be there for selection of a node name from menu.The node names should be available on-line from the central data server. v) On user request, the Apps should be able to fetch and display last stored data from the selected node along with time stamp. Attractive Graphical display of the process is preferred for the interface of the Apps. vi) The Apps should authenticate with the database server using user ID and password allocated for viewing data. The authentication data may be stored in local Tab and provision should be there for logging out from it, if required. Without authentication, no user will be able to download data from remote database server. vii) Specification for TABLET: a) The processor speed of TABLET PC should be minimum 1 GHz. b) The RAM must not be less than 1 GB. c) The internal memory requirement is 16 GB. Provision for external memory should be up to 32 GB d) The required Android Platform version is 4.0 (Ice cream Sandwich) or higher. e) The Tablet PC should be internally 3G enabled (without any dongle). f) The screen size of should be minimum 7". 5.0 MODBUS (RS 485) Communication Cable Specifications: i) Twisted Pair shielded Type ii) 4 Core iii) Cable Type: 22 AWG PLCT/CM iv) Impedance: 120 Ohm. v) Capacitance 11 pF/Ft. vi) Velocity: 78% (1.3 nSec./Ft.) 6.0 Flame Proof Junction Box (JB) Specifications: i) Enclosure : WP to IP 65 as per IEC 60529/ IS 2147 ii) Material of Construction : Die cast aluminium(LM6 alloy) iii) Overall dimension : Vendor to indicate exact dimension considering mounting on SCANNER 2000(using left side entry port of JB) iv) Cover : Screwed v) No of entry(single cable) : Left side # 1 no: ¾ NPT(F) Right side - 1 no : ¾ NPT(F) Top Side - 2 no : ¾ NPF(F) Bottom side - 2 no : ¾ NPT(F) vi) Cable Gland(Type) : Double compression, NI plated brass & WP to IP 65 as per IEC 60529/ IS 2147 vii) Cable Gland(Size) : ¾ NPF(M) viii) Terminals : Type: Spring loaded, antiloosening & vibration proof Quantity: 48 nos No of rows: 2 nos Numbering system: Terminal strips & terminals shall be suitably numbered Size: 2.5 mm2		

Tender No. & Date : KID2424L14/02 31.01.2014

Item No./ Mat. Code	Material Description	Quantity	UOM
	ix) Others : Plug: ¾ NPT(M) Ground busbar: Required Rails for terminals: Required PVC hood along with cable gland: Required Hinges: Required Name plate fixtures: Required Gasket: Neoprene Rubber (B) Scope of Supply: One (1) Lot as per the following: 1.(a) 2G/3Gbased wireless data acquisition nodes - 6 Nos (b) PC based configuration application software for configuring the GPRS nodes - 1 No 2. SMS Server Node - 1 Set 3. PC based Data Console Application Software - 1 No 4. Android based Applications& tablet with Android 4.0 or latest - 1 Set 5. Flame Proof Junction Box - 6 Nos 6. MODBUS (RS-485) Communication Cable - 400 Mts.		
	Installation & Commissioning		
20	Installation & Commissioning	1	AU
	Services of Central Database Server		
30	Services of Central Database Server	1	AU

Special Notes : 1.Validity of offer: 75 days from the date of tender opening. Offer with validity less than 75 days will be rejected.

2.The bidder should submit all necessary technical details, mode of operation and implementation methodology along with their offer.

3.A preliminary integrated demonstration of the entire system with at least one (1) no 2G/3G Based Stand Alone Wireless Data Acquisition Node (for remote location) will have to be arranged by the vendor on-site within 60 days(two months) from the date of placing formal purchase order.

4.The party shall bring all the necessary equipment for demonstration of GPRS & SMS (2G/3G) based data connectivity/acquisition system including two numbers of GSM SIM with GPRS data connectivity. The GSM SIM should be of any service provider based on the network availability.

5.The on-line data communication to be established at Instrumentation Department, Duliajan as well as in mobile phones from any one of the remote stations namely Makum, Barekuri, Bhogpara, Hatiali(Near EPS), Dikom(Near OCS) & Chabua, which are situated around 30 Km aerial distance from Duliajan, Assam, during demonstration by the vendor to the satisfaction of OIL.

6.The L1 bidder shall be advised to supply all the equipment's hardware & software and final installation & commissioning of the system only after successful demonstration of data communication. If L1 bidder do not able perform successful data connectivity during demonstration within stipulated period, another 45 days (one & half month) may be allowed subject to imposition of penalty @ Rs.2000/-(two thousand only) per day of delay in demonstration. Even after expiry of extended period (one & half month), if the vendor do not able to establish data connectivity to OIL's satisfaction, the company shall have the right to

cancel the PO placed on the L1 bidder and necessary action may be initiated as per terms & condition of the Purchase Order(PO).

7.PC based Application Software for local Data storage and SMS Node server should have the facility to connect multiple remote stations at a time considering future expansion.

8.All expenses i.e to & fro fares, boarding & lodging etc during demonstration and final installation & commissioning to be borne by the vendor.

9.The final installation & commissioning jobs are to be started by the vendor within one month from date of date of receipt of materials at Duliajan. The party shall complete the installation & commissioning jobs in all respect within two months from the date of receipt of materials at site.

10.Inspection to be carried out at vendor's works before final dispatching of the equipment's to site. The vendor shall inform OIL in advance for physical inspection as well as testing of the data communication system at their works.

11.Warranty: The vendor shall give warranty of all equipment's & software for a minimum period of one year from the date of final commissioning. Any major/minor defects/faults in hardware's/software if arises in any parts or equipment as a whole during warranty period, shall have to be replaced/repaired free of cost.

12.Payment:

Supply: 80% payment against receipt of supply materials at site and balance 20% will be released only after successful installation & commissioning of the system.

Service:
(i)Installation & Commissioning: 100% payment against installation charges after final installation & commissioning of the system.
(ii)Services of Central Web database & Web Spaces: Yearly payment only after final installation & commissioning of the system for services of central web database & web server spaces for three years (3).

13.The vendor shall provide list of recommended spares if any for future maintenance. The party shall also specifically mention the requirement of backup service/Annual Maintenance Contract after completion of the warranty period.

Tender No. : **KID2424L14/02**
Tender Date : **31.01.2014**
Bid Closing On : **22.04.2014 at 14:00 hrs.(IST)**
Bid Opening On : **22.04.2014 at 14:00 hrs.(IST)**

Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	208226	SRIJON MICROSYSTEMS	KOLKATA
2	210987	P.S.TECHNOLOGY	PUNE
3	210988	DIGITRONIX	KOLKATA
4	210989	RADIO EQUIPMENT CO.	KOLKATA

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