



भारत सरकार

Government of India

जल संसाधन, नदी विकास एवं गंगा संरक्षण मंत्रालय

Ministry of Water Resources, River Development & Ganga Rejuvenation

अधिशाली अभियंता का कार्यालय

माही मंडल

केन्द्रीय जल आयोग

गांधीनगर



Office of The Executive Engineer

Mahi Division

Central Water Commission

Gandhinagar

पत्रांक : म मं/9W/04/2016/Telemetry – Vol. II/HQ-MD/ 2422-30

दिनांक : 11/11/2016

Sub:- Summary Record of pre-bid conference held on 28.10.2016 at Conference hall, 1st Floor, Narmada Tapi Bhawan, NTBO, CWC, Gandhinagar and clarifications / replies to the written queries received from the prospective bidders - Tender for Supply, Installation, Testing, Commissioning and Maintenance of Real Time Data Acquisition Network at 24 nos. Water Level & Meteorological Stations (WL&MS) and Meteorological stations (MS) under Narmada & Tapi Basins Organisation of CWC, Gandhinagar in the states of Gujarat, Madhya Pradesh, Rajasthan, Maharashtra, and Daman & Dui (UT).

Please find enclosed herewith the summary record of pre-bid conference held at Conference hall, 1st Floor, Narmada Tapi Bhawan, NTBO, CWC, Gandhinagar on 28.10.2016 and clarifications / replies to the written queries from the prospective bidders with respect to the tender for the work of " for Supply, Installation, Testing, Commissioning and Maintenance of Real Time Data Acquisition Network at 24 nos. Water Level & Meteorological Stations (WL&MS) and Meteorological stations (MS) under Narmada & Tapi Basins Organisation of CWC, Gandhinagar in the states of Gujarat, Madhya Pradesh, Rajasthan, Maharashtra, and Daman & Dui (UT)."

A copy of the attendance sheet of pre-bid meeting is also enclosed.

Encl: As above.


(Vishnu Sharma)
Executive Engineer

Copy along with report forwarded to:-

1. The Chief Engineer, N&TBO, CWC, Gandhinagar.
2. The Superintending Engineer, H.O. Circle, CWC, Gandhinagar.
3. The Executive Engineer, Tapi Division, CWC, Surat.
- ✓ 4. The JE (HQ), Mahi Division, CWC, Gandhinagar. He is directed to upload the same in TCIL website / e-portal / CWC website.
5. M/s. Astra Microwave Products Limited, ASTRA towers, Survey No.12 (P), Kothaguda Post, Kondapur, Hitech City, Hyderabad -- 500084, Telengana (INDIA).
6. M/s. Sutron Hydromet Systems Pvt. Ltd., D-128-129, 1st Floor, Enterprise, Okhla Industrial Area, Phase-I, New Delhi - 110020.

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7. M/s Endress + Hauser (India Pvt. Ltd.), 705, Pinnacle Business Park, Corporate Road, Near Prahalad Nagar, AUDA Garden, Satellite, Ahmedabad-380015 (India).
8. M/s Oil Field Instrumentation (India) Pvt. Ltd., Kanara Business Centre, A-211, Andheri Link Road, Ghatkopar (E), Mumbai- 400075 (India)
9. Notice Board, Mahi Division, CWC, Gandhinagar.

PRE-BID MEETING HELD ON 28-10-2016 AT CONFERENCE HALL, 1ST FLOOR, NARMADA TAPI BHAWAN, NTBO, CWC, GANDHINAGAR W.R.T. THE WORK FOR 'SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF REAL-TIME DATA ACQUISITION NETWORK AT 24 NOS. OF WATER LEVEL & METEOROLOGICAL STATIONS (WL & MS) AND METEOROLOGICAL STATIONS (MS) UNDER N&TBO, CWC, GANDHINAGAR'.

NIT No. CWC/12/2016-17/MD/GNR

Dated: 19-10-2016

(A) M/s ASTRA MICROWAVE PRODUCTS LIMITED, ASTRA Towers, Survey No. 12 (P), Kothaguda, Post- Kondapur, Hitechcity, Hyderabad-500084 (Telangana).					
Sl. No.	Tender Page No.	Tender Clause No.	Regarding	Query	Clarification
1				Who will be responsible for the WPC License fee?	WPC License fee is not the responsibility of the vendor; same shall be borne by the Department (CWC).
2				Please provide us the maximum length of orifice tube which will be integrated with bubbler type water level sensors.	The Bubbler sensor should be capable of performing with at least 200 m orifice tube length. However, the vendor is free to offer bubbler sensor equipment having permissible length >200 m. For evaluation purpose a length of 100 m of orifice tube will be considered to compare the cost.
3				SIM card recurring charges in warranty and AMC period. Payment CWC will pay to the service provider.	SIM card shall be provided by CWC. The recurring charges shall be paid by contractor, which will be reimbursed as per actual by CWC.
4	67		Data logger specification	Data logger should have Display screen to view instant data in data logger and external display required.	A port for external display is required in the data logger.

5	48		Schedule of Quantities	3.a. Numbers of concrete tower installation (For bubbler type WL sensor & TBRG) 8 Nos. But at page No. 49 Bubbler type WL sensor are 06 Nos. Please clarify how many concrete towers required for Bubbler sensor.	For Bubbler sensor & TBRG installation – number of concrete tower is 06 and for only TBRG installation number of concrete tower is 02, hence total number of concrete tower is 08.
6				Civil work for fixing arrangement for installation of radar type water level sensor on existing structure viz. Road Bridge, any other existing water structure. Required cabin structure for radar type water level sensor installation?	For installation of Radar type water level sensor on Road Bridge, cabin structure is required.
7				Concrete tower bubbler sites required fencing?	As per para 9 of Technical specification (page no. 76) of tender document. .
8				GSM based transmission systems in real time basis. Required additional server/PC for all modelling centers. CWC will provide additional server/PC.	As per tender document; Technical specification sr. No. 5
9				GSM based transmission systems in real time basis to the central server/PC required static IP. CWC will provide Static IP.	

(B) M/s SUTRON HYDROMET SYSTEMS PVT. LTD., D-128-129, 1st Floor, Enterprise, Okhla Industrial Area, Phase-I, New Delhi - 110020.

Sl. No.	Tender Page No.	Tender Clause No.	Regarding	Query	Clarification
1	7	Notice Inviting Tender	Qualification	Qualification criteria do not seem to provide recognize for the system that is running for more than 7 years. We therefore request you to kindly increase the number of year of experience to 15 years so that CWC can get proposals from field proven service provider so that the system life can be prolonged for more than the 7 years that is being envisage.	The Terms & Conditions regarding qualification criteria given in Tender document shall prevail.
2	36 & 45	14.11.4 & Annexure-I (1)	Mandatory Visit	We understand that the visit mentioned here is for Water Level Stations only. The visit to WL station every month is not required as during non monsoon most of the water level station does not have water level upto the bubbler termination. Also telemetry data can be compared with manual data at the modeling center and if there is a mismatch beyond excepted accuracy, our engineer will visit that particular station. Kindly clarify.	The Terms & Conditions given in Tender document shall prevail.

3	37 & 45	14.11.5 Annexure-I (m)	Dismantling and Reinstallation	Visit of engineer for dismantling and reinstallation is a cost so we request that the free dismantling and reinstallation service should be restricted to once per site for the duration of the project for 7 years. Kindly clarify.	The Terms & Conditions given in Tender document shall prevail.
4	54	1	General, Para 2	We understand that CWC already has a ERS and modeling center in Bhubaneswar and FFM Directorate, New Delhi with respective VSAT connectivity so the hardware / software for data reception and data transfer between ERS and all the modeling center is not under the scope of this tender. Kindly clarify.	DCU's, Monitoring system hardware / software shall interface and be fully integrated and tested with the existing CWC's Earth Receiving Station (ERS) at Delhi and existing modeling centre at Gandhinagar, Surat, Bhusawal & FFM Directorate, New Delhi. (Connectivity / Transmission of Data shall have to be ensured).
5	60	4.3	Bubbler specifications	The range mention is 15 PSI or 30 PSI. Kindly clarify how many should be of 30 PSI as we can reduce the cost by proposing appropriate range bubbler.	All the bubblers shall be of 15 PSI range.
6	60	4.3	Bubbler specification	The Purge should be automatic as blockage may happen anytime and the bubbler system should be able to detect the blockage automatically and does not have to rely on human intervention for purging the bubbler line. Kindly clarify.	Specifications as mentioned in Tender document shall prevail.

7	60	4.3	Bubbler tube	For all the bidders to be on par, kindly provide the bubbler tube length required at each station.	The Bubbler sensor should be capable of performing with at least 200 m bubbler tube length. However, the vendor is free to offer bubbler sensor equipment having permissible length >200 m. For evaluation purpose a length of 100 m of bubbler tube will be considered to compare the cost.
8	61	5.1.2	Alarm	Instantaneous Alarm reporting needs RANDOM transmission mode of burst, which is normally not followed as all remote station uses Self Time transmission mode. RANDOM transmission needs ISRO /IMD permission. Alternatively, the alarm can be generated by data decoding software at ERS on the basis of threshold/limit/data value. This will remove the requirement of RANDOM transmission. Kindly clarify.	Some indication should be displayed in the ERS/ modelling center in case of failure of instrument or low battery or water level above warning / danger level.
9	64	5.2.1	GSM/ GPRS Modem	Kindly clarify who is responsible for issuing the SIM card and its recurring charges?	SIM card shall be arranged by the Contractor with necessary assistance from the Department, however, the recurring charges shall be borne by the Department.
10	64	5.2.1	GSM/ GPRS Modem	CWC has asked for dual telemetry of Satellite and cellular. Is the modem for only SMS message to mobile number or real time data reception at ERS in addition to satellite communication? Kindly clarify.	As per tender document; Technical specification Sl. No. 5. (The system should be compatible for GSM/GPRS transmission).

11	64	5.2.1	GSM/ GPRS Modem	If GPRS telemetry is required. Is the available software with CWC capable of receiving the GPRS data also? If not does bidder needs to quote for separate software for receiving the GPRS data? How the satellite data and GPRS data are to be integrated? Who is responsible for the integration of these two sets of data? Kindly clarify.	As per tender document; Technical specification Sr. No. 5
12	64	5.2.1	GSM/ GPRS Modem	For receiving GPRS Data a PUBLIC STATIC IP BROADBAND INTERNET connection is required for providing the internet connection and its recurring charges?	Providing BROADBAND INTERNET connection is not in the scope of work. The recurring charges, if any, shall be reimbursed by CWC.
13	67	5.2.3	Display	CWC has asked for display inbuilt in data logger and also asked for option for external display. As all the telemetry stations will be installed at remote site, this requirement of option for external display is not understandable. Kindly clarify if this option is required or not.	A port for external display is required in the data logger.
14	74	6.2	Backup Days	Here the backup days mentioned is 60 days which is too long for DC power system as battery for this backup will be big dimension. Normally a back up days of 30 days is considered for remote stations. Kindly clarify.	Battery pack shall have adequate capacity to sustain the maximum sized DCU configuration of sensors and telemetry equipment for a period of 30 days of continuous operation.

Sl. No.	Tender Page No.	Tender Clause No.	Regarding	Query	Clarification
1	61		Product specified for water level measurement	As per tender document you have specified to install 6 nos Bubbler type water level systems, we request you to allow Hydrostatic Level measurement system which can be submersed in the water. Such systems are also used by NHPC in their Dam water level measurement. Bubbler type water level measurement requires utilities like air and so, whereas the technology we are suggesting doesn't require any utilities for measurement. This results in to very low maintenance. As far as other output and accuracy parameter concern for the technology we are suggesting matching your requirement what you have described in Bubbler type. So we request you kindly also allow the technology "Hydrostatic level measurement through pressure measurement cell in built and will be installed in submerged condition."	All the Terms & conditions, Technical specifications, etc. given in Tender document shall prevail.

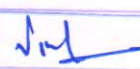
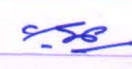
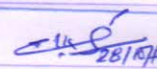
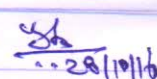
15	74	6.2	AC charging option.	Since all Telemetry stations are located remotely and using battery for operation, do we need to provide option for AC charging as most of the location AC power is not available all the time. Kindly clarify.	As per Tender document.
16	74	6.2	Battery pack alarm	Audio and visual alarm is usually for Battery banks and not for single battery. Moreover, since battery value will be transmitted along with Hydro-Meteorological data, the battery status can always be monitored and necessary action be taken when required. Kindly clarify.	As per Tender document.
17			Payment	Payment should not be on hold for any delay in installation and commission due to the non clearance of site from CWC. And the site should be accepted on Pro rata basis. Kindly clarify.	As per Tender document.
18			Site damage/ Site shifting	Any site damaged by vandalism or theft of site as well as site shifting of stations shall not be in the scope of tender. Kindly clarify.	Site damage by vandalism or theft after successful acceptance will be treated as force majeure.

Prebid meeting on : 28/10/2016.

Venue: Conference hall, Narmada Tapi Bhawan, 1st floor, C.W.C, Sector-10A, Gandhinagar (Gujarat.)

Tender No: CWC/12/2016-17/MD/GNR Dt. 19.10.2016

Name of work: Supply, Installation, Testing, Commissioning and maintenance of real-time data acquisition network at 24 nos water Level & Meteorological Stations (WL & MS) and Meteorological Stations (MS) under Narmada Tapi Basin Organisation of C.W.C, Gandhinagar.

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