

भारत सरकार
केन्द्रीय जल आयोग
वैनगंगा प्रभाग

वैनगंगा प्रभाग, केन्द्रीय जल आयोग

दूरभाष- 0712-2510156

दूसरी मंजिल ब्लाक- सी, सी. जी. ओ. कौम्प्लेक्स

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सेमिनरी हिल्स नागपुर- 440006

No. CWC/MCO/WDN/04/2016-17/1457-63

Dated:28/10/2016

Sub: - Summary Record of pre-bid conference held on 21.10.2016 in the chamber of Executive Engineer, WD, CWC, Nagpur and clarifications / replies to the written queries received from the prospective bidders – e-Tender for “Supply, Installation, Testing, Commissioning and Maintenance of real – time data acquisition network at 06 No. of Water Level & Meteorological stations (WL&MS) and 03 No. Meteorological Stations (MS) under Monitoring Central Organization of CWC” in Godavari Basin (Wainganga River & its tributaries) in the states of Maharashtra, Madhya Pradesh and Telangana.

Please find enclosed, the summary record of pre-bid conference held in the chamber of Executive Engineer, WD, CWC, Nagpur on 21.10.2016 and clarifications / replies to the written queries from the prospective bidders in respect to the e-tender for the work of “Supply, Installation, Testing, Commissioning and Maintenance of real – time data acquisition network at 06 No. of Water Level & Meteorological stations (WL&MS) and 03 No. Meteorological Stations (MS) under Monitoring Central Organization of CWC” in Godavari Basin (Wainganga River & its tributaries) in the states of Maharashtra, Madhya Pradesh and Telangana.

Encl: As above.

Sd/-

(Ajay Banode)
Executive Engineer

Copy alongwith copy of above report forwarded to:-

1. The Chief Engineer, MCO, CWC, Nagpur.
2. The Superintending Engineer (C), MCO, CWC, Nagpur.
3. TCIL website / e-portal / CWC website.
4. M/s. Astra Microwave Products Limited, ASTRA towers, Survey No.12 (P), Kothaguda Post, Kondapur, Hitech City, Hyderabad, Telengana, INDIA - 500084.
5. M/s. Mechatronics Systems Pvt. Ltd., Mechatronics House, Survey No.107, Warje, Mumbai-Bangalore Highway, Pune - 411052.
6. M/s. Sutron Hydromet Systems Pvt. Ltd., D-128-129, 1st Floor, Enterprise, Okhla Industrial Area, Phase-I, New Delhi - 110020.
7. Notice Board, WD, CWC, Nagpur.

PRE-BID MEETING HELD ON 21-10-2016 IN THE CHAMBER OF EXECUTIVE ENGINEER, WD, CWC, NAGPUR W.R.T. THE WORK FOR 'SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF REAL-TIME DATA ACQUISITION NETWORK AT 06 NOS. OF WATER LEVEL & METEOROLOGICAL STATION (WL & MS) AND 03 NOS. METEOROLOGICAL STATION (MS) UNDER WD, CWC, NAGPUR.

The following official staffs of WD, CWC and representatives of various agencies have attended the pre-bid meeting:-

Sl. No.	Name of Staff	Designation	Organisation	Contact Details
1	Ajay Banode	Executive Engineer	WD, CWC, Nagpur	9422339698
2	Kailash K. Lakhe	AD-I	Attached with SE(C), MCO, CWC, Nagpur	9405140152
3	S. K. Chakraborty	SDE	UWSD, CWC, Nagpur	9422104239
4	Ranjit Singh Lodhi	JE(HQ)	WD,CWC, Nagpur	7869158727
5	Amit Ku. Gudbole	JE	UWSD, CWC, Nagpur	9766547799
6	Eampati Manoj	Manager- South India	Sutron Corporation	9963999492 manoj@sutron.com
7	Suresh Reddy	Senior Executive	Astra Microwave Products Limited	9493861392 ghorpade@astramwp.com
8	Kaushal Sarda	Manager Business Development	Mechatronics System Pvt. Ltd.	9930491039/9960162614 Kaushal-sarda23@yahoo.com

Sd/-

(Ajay Banode)
Executive Engineer

PRE-BID MEETING HELD ON 21-10-2016 IN THE CHAMBER OF EXECUTIVE ENGINEER, WD, CWC, NAGPUR

W.R.T. THE WORK FOR 'SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF

REAL-TIME DATA ACQUISITION NETWORK AT 06 NOS. OF WATER LEVEL GAUGING & METEOROLOGICAL

STATIONS (WL & MS) AND 03 NOS. METEOROLOGICAL STATIONS (MS) UNDER MONITORING CENTRAL

ORGANIZATION OF CWC IN GODAVARI BASIN (WAINGANGA RIVER AND ITS TRIBUTARIES) IN THE STATES

OF MAHARASHTRA, MADHYA PRADESH AND TELENGANA.

NIT No. CWC/MCO/WDN/04/2016-17

Dated: 13/10/2016

(A) 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	3	Notice Inviting Tender	Qualification	Qualification criteria do not seems 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 providers so that the system life can be prolong for more than the 7 years that is being envisage.	Not accepted, as per Tender documents.
2	28	14.11.4	Mandatory Visit	<p>We understand that the visit mentioned here is for Water level Stations only.</p> <p>The visit to WL station every month is not required as during non monsoon most of the Water Level station does not have water upto the bubbler termination. Also telemetry data can be compared with manual data at the modelling centre and if there is a mismatch beyond excepted accuracy our engineer will also visit that particular station.</p> <p>Kindly clarify</p>	No, visit shall be made for each telemetry station every month as per tender documents.

3	28	14.11.5	Dismantling and Reinstallation	<p>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.</p> <p>Kindly clarify</p>	No change/ as per tender documents
4	42	1	General Para 2	<p>We understand that CWC already has a ERS and modelling centre in Hyderabad and FFM Directorate, New Delhi with respective VSAT connectivity so the hardware/software for data reception and data transfer between ERS and all the modelling centre is not under the scope of this tender.</p> <p>Kindly clarify.</p>	New installations must be compatible to the Existing VSAT arrangement installed at Hyderabad and FFM Directorate, CWC, New Delhi.
5	48	4.3	Bubbler Specifications	<p>The range mention is 15 PSI or 30 PSI. Kindly clarify how many Bubblers should be of 15 PSI and how many should be of 30 PSI as we can reduce the cost by proposing appropriate range bubbler.</p>	Sensor range of 15 PSI for Bakhari and Gosikhurd stations and Sensor range of 30 PSI for Magardarra, Waraseoni, Dhanora and Sirpur (T) stations.
6	48	4.3	Bubbler Specifications	<p>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.</p> <p>Kindly confirm.</p>	Yes, If a purge does not clear a plugged orifice line automatically then the purge pressure will be applied manually to the sensor output.
7			Bubbler Tube	<p>For all the bidders to be on par, kindly provide the bubbler tube length required at each station?</p>	The bubbler should be capable of performing with at least 200m bubbler tube. However, the vendor is free to offer equipment having permissible distance >200 meters. For comparison purpose a tentative length of 150 metre will be counted to arrive at the cost.

8	49	5.1.2	Alarm	<p>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.</p> <p>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.</p> <p>Kindly confirm whether alarm reporting in ERS is required.</p>	The alarm can be reported in the next schedule transmission cycle immediately after the failure instead of RANDOM.
9	51 & 52	5.2.1	GSM/GPRS/Modem	Kindly clarify who is responsible for issuing the SIM card and its recurring charges?	SIM card and internet broadband connection shall be provided by CWC. The recurring charges shall be paid by contractor which will be reimbursed as per actual by CWC.
10	51 & 52	5.2.1	GSM/GPRS/Modem	For receiving GPRS Data, a PUBLIC STATIC IP BROADBAND INTERNET connection is required? Kindly clarify is responsible for providing the internet connection and its recurring charges?	
11	51 & 52	5.2.1	GSM/GPRS/Modem	<p>CWC has asked for dual telemetry of Satellite and cellular. 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?</p> <p>Kindly clarify.</p>	The equipment shall be capable of utilizing GPRS network for two way TCP/IP (Internet) connection. The bidder need not quote for software for receiving GPRS data at ERS/Modelling centre.
12	55	5.2.3	Display	<p>CWC has asked for display inbuilt in data logger and also asked for option for external display.</p> <p>We understand that external display is not in the scope of this tender.</p> <p>Kindly clarify.</p>	A port for external display is required in the data logger.

13	62	6.2	Backup days	<p>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.</p> <p>Kindly clarify.</p>	As per Tender Documents.
14	62	6.2	AC Charging option	<p>Since all Telemetry stations are located remotely and using battery for operation, do we need to provide option for AC charging.</p> <p>Kindly clarify.</p>	As per Tender Documents.
15	62	6.2	Battery pack alarm	<p>Audio and visual alarms are 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.</p> <p>Kindly required.</p>	As per Tender documents.
16	29 & 30	16	Payment	<p>Payment should not be on hold for any delay in installation and commission due to the non clearance of site from CWC.</p> <p>And site should be accepted on Pro rata basis.</p> <p>Kindly confirm.</p>	The payment of 55% of contract price excluding AMC charges (clause 16.4, page no. 30 of Tender document) can be made on pro rata basis as per completed/commissioned sites.
17			Site damage/ Site shifting	<p>Any site damaged by vandalism or theft of site as well as site shifting of stations shall not be in the scope of tender.</p> <p>Kindly clarify.</p>	Site damage by vandalism will come under force majeure. However in case of shifting of station scope of bidder would be limited to dismantling and reinstallation only.

Note: The drawings attached with the tender documents are only typical. The detailed drawing will be provided during the execution of work as per the site conditions and required design.

(B) M/s ASTRA MICROWAVE PRODUCTS LIMITED, Hitech City, Hyderabad-500084

1			Bubbler tube	Please provide us the maximum length of orifice tube which will be integrated with bubbler type water level sensors.	The bubbler should be capable of performing with at least 200 metre bubbler tube. However, the vendor is free to offer equipment having permissible distance >200 meters. For comparison purpose a tentative length of 150 metre will be counted to arrive at the cost.
2	51 & 52	5.2.1	GSM/GPRS/Modem	SIM card recurring charges in warranty and AMC period CWC will pay the service provider.	SIM card and internet broadband connection shall be provided by CWC. The recurring charges shall be paid by contractor which will be reimbursed as per actual by CWC.
3	55	5.2.3	Display	Page No. 55 Data logger specification inbuilt Digital Display for viewing current data and setting values and external display is required or Not.	A port for external display is required in the data logger.
4	77 & 78	18	Drawing	Rain Gauge station installation is which possible civil works please provide civil work drawing.	Typical drawing is attached in Tender documents.
5	44	3	Fencing	Fencing is required for all 09 stations or Not.	Yes, fencing is required for all the 09 stations and the size of the fencing is 6.1 metre x 6.1 metre.

Note: The drawings attached with the tender documents are only typical. The detailed drawing will be provided during the execution of work as per the site conditions and required design.

(C) M/s MECHATRONICS SYSTEMS PVT. LTD., MUMBAI-BANGALORE HIGHWAY, PUNE-411052

1	5	14	<p>Notice Inviting Tender, page 5 point- 14 of the bid document: The tender shall be accompanied by Earnest Money, (unless exempted) of Rs. 2.50 lakh/- (Rupees Two Lakh Fifty Thousand Only) as Demand Draft drawn on a Scheduled Bank in favour of Purchaser, or in any other forms as per CPWD works manual 2014 clause 19.4 (i) Cash up to 10,000 (ii) Treasury challan (iii) Deposit at call Receipt of a scheduled Bank guaranteed by the RBI (IV) Banker's cheque of a scheduled Bank (V) Fixed Deposit receipt (FDR) OF A Scheduled Bank. ((a) A part of earnest money is acceptable in the form of bank guarantee also. In such cases 50% of earnest money or Rs. 20 Lakh whichever is less will have to be deposited in shape prescribed above and balance can be accepted in form of bank Guarantee issued by a scheduled bank (b) It should be ensured that the FDR is pledged in favour of the purchaser. It is the tender's own interest to keep the FDR valid as long as it is required). Tenderer exempted from depositing earnest money in individual cases, shall attach with the tender an attested copy of the letter exempting him from depositing earnest money and shall produce the original when called upon to do so. If the technical bid of the tenderer does not contain specified earnest money the tender will be summarily rejected and their financial bid shall not be opened. No further communication shall be entertained in this regard.</p>	<p>We request you to consider the 100% of earnest money in form of Bank guarantee issued by nationalized bank. Will it be acceptable?</p> <p>Please clarify</p>	<p>Not Accepted</p>
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2	4	12	<p>Online Bid Submission & Evaluation of Bids page No. 11 point-8 & 9: Initially only the Technical Bids shall be opened and evaluated. If the bidder meets the qualifying criteria as specified in the bid document and the solution offered by him meets the requirement of the tenderer, then the bidder shall be shortlisted for financial evaluation. Otherwise the bidder would be rejected at this stage itself.</p>	<p>We have gone through the tender documents and understood that the technical and financial documents uploaded simultaneously.</p> <p>Please clarify.</p>	<p>Yes. Technical Bid will be opened and evaluated first. However, both the technical and financial bids need to be uploaded simultaneously. (refer page No. 4, point-12 of Tender Documents)</p>
3	29 & 30	16	<p>Payment Criteria page No. 29 & 30 point-16.</p> <p>16.3 Ten (10%) of contract price excluding AMC charges mobilization advance against bank guarantee, which shall be released after successful completion of 2 years of Warranty and 5 years of AMC.</p> <p>16.4 Fifty five (55%) of the contract price excluding AMC charges shall be paid after the issue of completion certificate, i.e. complete installation including civil works at all sites, including establishing of connectivity between existing modelling centre at Hyderabad and FFM Directorate, CWC, Delhi & successful link between sites, ERS Delhi and VSAT at (To be decided by Engineer- in- Charge) based on successful completion of site acceptance test as per Clause 11.4 of this Document.</p> <p>16.5 Balance Thirty Five (35%) of the Contract value excluding AMC charges shall be paid @ 5% every year after each year of successful running of contract including 2 years of warranty and 5 years of AMC.</p>	<p>Given payment terms are very stringent and request you the revision as follows –</p> <p>1) 10% of contract price excluding AMC charges as mobilization advance against bank guarantee which shall be released after successful completion of the work.</p> <p>2) 50% of contact price excluding AMC charges against receipt of materials at site in good condition with test certificates & proper storage.</p> <p>3) 20% of contact price excluding AMC charges after Installation.</p> <p>4) 10% of contact price excluding AMC charges after commissioning.</p> <p>5) 10% of contact price excluding AMC charges after successful completion of 2 years of Warranty Period.</p> <p>6) Payment for Annual Maintenance Services and Service Tax at prevailing rates as agreed shall be in equal quarterly instalments and after successful maintenance of the system during the quarter.</p> <p>Will be it be acceptable? Please clarify.</p>	<p>The payment of 55% of contract price excluding AMC charges (clause 16.4, page no. 30 of Tender document) can be made on pro rata basis as per completed/commissioned sites.</p>

4	42	1	<p>Technical Specification page No. 42 point-1 General: The Technical Specification covers the Contract for the installation of telemetry system in different sites in Godavari Basin as specified including Earth Receiving Station, which shall be able to receive data from INSAT/Kalpana (INSAT 3A) data relay transponder as well as DRT of future SAT systems, instrumentation and associated Data Collection Units (DCUs). Further, the transmission should also be in GSM mode, allowing receiving of data from remote DCU to the specified mobile numbers.</p>	<p>As all DCU units are communicating through INSAT transmitter to Earth Receiving Station provision of GSM Modem at each DCU to transmit the data to specified mobile numbers. Instead we provide related data from ERS or Regional stations where all the data is available which collected from all the remote station can be transmitted to specified mobile numbers over GSM network.</p> <p>Will it be acceptable? Please clarify.</p> <p>As regards to the recurring charges for GSM SIMs and INSAT Licence Fees please clarify, who will bear these charges? Is there any wavier for INSAT License Fees as the system is for the Bonafied use of Government?</p>	<p>SIM card and internet broadband connection shall be provided by CWC. The recurring charges shall be paid by contractor which will be reimbursed as per actual by CWC.</p>
5	62	6.2	<p>Technical Specification Page No. 62 Clause 6.2 Batteries: One battery pack shall be provided for each DCU. The batteries pack provided shall have adequate capacity to sustain the maximum sized DCU configuration of sensors and telemetry equipment for a period of 60 days of continuous operation at the frequency of one observation per hour per sensor and one transmission per hour on a 24-hourly basis. This capacity shall be available t the end of second year of continuous operation.</p>	<p>For 60 days operation required huge Battery Bank and Solar Plates so this is difficult to install on Elevated Tower consider reducing it to 30 days.</p> <p>Will it be acceptable? Please clarify.</p>	<p>As per Tender Documents.</p>
6			<p>We request you to allow asking further clarifications, if any, after the pre-bid meeting.</p>		<p>Yes, for more clarification visit at WD, CWC, Nagpur office during office hour.</p>

Note: The drawings attached with the tender documents are typical. The detailed drawing will be provided during the execution of work as per the site conditions and required design.