Minutes of the Pre-Bid Conference for Tender of Supply of Automatic Data acquisition & Real time Data Transmission System Equipment held at Krishna Godavari Bhavan, CWC, Hyderabad on 20-02-2013

A pre-bid conference to discuss the issues raised by the prospective bidders and providing clarifications to their queries regarding the Tender for Supply, Installation, Testing, Commissioning and Maintenance of Automatic Data Acquisition and Real Time Data Transmission System at 15 Stations in Krishna Godavari Basin Organization vide tender no UGD/NIT/2012-2013/Telemetry/01, dated 04-02-2013 was held on 20-02-2013 at 1400 hrs in the office of the Chief Engineer, Krishna Godavari Basin organization, K.G. Bhavan, 11-4-648, A.C. Guards,Hyderabad-500004. The list of participants is enclosed at Annexure-1

A Committee has been constituted for conducting Pre-bid conference and to evaluate the bids technically as well as financially and make recommendations for the award of work for Supply, Installation, Testing, Commissioning and Maintenance of Automatic Data Acquisition System and Real Time data Transmission System at 15 Remote Stations in Krishna Godavari Basin Organisation vide CE, KGBO, CWC, Hyderabad Lr. no. 4/14/2013/FF/CE(KGBO)/788, dated 19.02.2013.

Chairman of the committee, welcomed all the members of the committee and the representatives from the prospective bidders. The following agencies participated in the pre-bid conference.

1. M/s Sutron corporation New Delhi
2. M/s Essel Shyam Technologies Limited, Noida.
3. M/s Astra Microwave products Ltd., Hyderabad.
4. M/s Emwhiz Technologies Pvt Ltd, Chennai.

and the following agencies submitted written queries:

1. M/s Sutron corporation New Delhi
2. M/s Essel Shyam Technologies Limited, Noida.
3. M/s Design analysis Associates / Waterlog, Gurgaon, Haryana.

The queries and the clarifications are as given under.

Query: 1

Page no 24 clause no 12.13.- Here it is mentioned that in addition to pre monsoon and post monsoon visit, bi-monthly visit has to be done. We would like to mention here that the system being provided is state of the art technology which requires minimum maintenance.

So we request that instead of bi-monthly visit, a visit of once in four month may be considered in addition to the pre monsoon and post monsoon visit.

Kindly clarify.

Reply:

During monsoon period the periodical routine service of bi-monthly visit apart from pre monsoon (March / April) and post monsoon (Nov./Dec.) visit shall be invariably carried out. The clause thus stands modified to this extent.

Query : 2

Page no 31,clause no 2.0(ii).- CWC has decided to float tenders for remote telemetry stations from around different divisions and for all these remote stations the ERS currently installed at New Delhi will receive the raw messages. Now it is quite possible that a multiple vendor may win the tender bid for supply of remote telemetry stations.

We understand that CWC already has a working system of data flow from ERS at New Delhi to modeling station at FFM and Hyderabad. Therefore, we request that the vendor should be responsible only for remote station data to report raw messages at ERS, New Delhi. Since the raw messages will be same for all TDMA station of CWC, the rest of the process i.e. decoding of raw message, storing in database, transferring to modeling station and storage in the modeling server thereafter shall be carried out by the existing CWC system.

Also in case, multiple vendors are asked to install their own software to receive the raw messages at ERS, decode, store data and then transfer data to modeling centre , it will create a non avoidable software conflict because of similar application of software as all the software will try to utilize the same resources (memory, peripheral device, register, etc.) or request same services resulting in breakdown of server.

Kindly confirm.

Reply:

The existing VSAT is to be used. No new VSAT or modeling centre or related equipment is in the scope of the present work. However the vendor shall be responsible for integration of its system with the existing system. It is essential that the system of the vendor is seamlessly compatible with the existing ERS.
No change.

Query: 3

Page 40, Clause 5.1.25(I). – PCMCIA card are not used with data logger anymore as a new and more compact memory card are available. Therefore we request you to replace the PCMCIA slot to a technologically new SD card slot or make it optional.

Kindly confirm.

Reply:

The clause may be read as slots / ports : PCMCIA/SD and USB. One (1) GB SD card shall be part of the supply if SD card slot is provided.

Query: 4

Page 53, Clause 14.5. - Since modeling centre is not in the scope of supply, this acceptance test is not required/ related.

Reply:
No change.

Query: 5

Who will be responsible for the WPC License fee ?
Kindly Clarify.

Reply:

Refer page 32, Clause 2.0 iv. – The WPC License fee shall be paid by CWC, However the entire responsibility for obtaining necessary clearances, approvals / permission shall lie with the contractor only.

Query : 6

Page 40, Clause 5.1.25, XII. – Keypad 1 no. (6 buttons), As the number of keys does not make any difference in the functionality of the data logger, please allow bidders to quote a data logger with less or more keys performing all the features at similar capacity.

Reply:

The clause may be read as Keypad : 1 no (4 – 6 buttons).

Query: 7

Page 24, Clause 12.12 - As per the other CWC tenders, for real time data acquisition, the responsibility of the bidder for the security of the equipments remain till the acceptance of the site. Also it is very difficult to provide round the clock watch and ward services at all remote station locations within the budget cost. We request you to kindly review and change this condition as till the acceptance of the site.

Reply:
The contractor shall be responsible for the equipment at all the remote station locations where automatic sensors for data acquisition have been installed during the installation period until acceptance of the site.

Query: 8

Please provide the dimensions of the fencing.

Reply:

Refer page 62 in the schedule of quantities Table 1 Sl no 6.

Query: 9

Please provide us the maximum length of orifice tube which will be integrated with bubbler type water level sensors.

Reply:
For the purpose of quoting in the tender, tubing length may be taken as 200 m per bubbler. However payment will be made as per the actual tubing length laid and rates per metre cost of the tubing may be quoted. The Sl. No.3 of Table – A1 gets amended to this effect. The revised page No. 64 is enclosed.

Query: 10

Is the bidder allowed to submit the EMD in the form of Bank Guarantee or Depository Receipt.

Reply:

Bank guarantee from Nationalised Banks as EMD shall also be accepted.

Query: 11

We request you to please allow the bidder to submit performance security in the form of Bank Guarantee which is followed in most of the tenders.

Reply:

Bank Guarantee from Nationalised Banks as performance guarantee shall also be accepted.

Query: 12

Please provide the rating of the solar panel and battery backup.

Reply:

The solar panel is to have autonomy of minimum 15 days. The rating may be calculated by the vendor based on the consumption by the equipment proposed.

Query: 13

We noted that 9 Radar sensors are required that are to be installed above HFL below a bridge girder wherever available. Please confirm the availability of bridge wherever available.

Reply:

The mounting / Installation arrangement shall be above HFL below a bridge girder wherever available otherwise on a cantilever projection from a mast or pedestal made of structural steel or RCC with sufficient strength. The Sl. No. 4 & Sl. No. 1 of Table A1 & A2 respectively gets amended to this effect. The revised page No. 64 & 66 are enclosed.

Query: 14

It is noted that standard nitrogen free bubbler is required however now bubblers are available with advance technology that includes continuous purging in the orifice line. It is recommended that maintenance free dry air bubbler system with continuous purge should be specified. Continuous purge bubbler system consumes less power and also prevents choking of the bubbler tube and orifice. Continuous purge bubblers are available with all manufacturers and are widely used world wide and by USGS.

Reply:
No change**.**

Query: 15

The following Typographical errors are clarified by the Member – Secretary.
Page -14, Page – 27, Page – 30 and Page – 31, Page - 53

Reply:

The typographical error is regretted and the same be amended to be read as follows.

1. Page - 14 ---- 1st para line 6 ----- Read two years instead of eight years
2. Page – 27 (v). --- Read as (iii) instead of (v).
3. Page – 30, Clause 27.3 --- Read as (b), (c) instead of (c), (d) respectively.
4. Page – 31. Clause 2.0, 1st para line 5 & 6 --- Read 99/2000 instead of 99/2011.
5. Page – 31. Clause 2.0, 2nd Para line 3.--- Under Upper Godavari Division be deleted.
6. Page – 53. Clause 14.5, 1st para line 4 --- another be deleted.

Query: 16

Is Field / office demonstration of the equipment is required?

Reply:

Refer Additional terms and conditions Page 13, Clause 9, the demonstration is at the discretion of the department.

Query: 17

Typical Drawings showing the Fixation of Raingauge, Pile foundations for C.C pole and Radar sensor at Reservoirs.

Reply:

Revised Typical drawings showing the fixation of Raingauge, Pile foundations for C.C. Pole and Radar sensors at Reservoirs is enclosed as Plate 1 & Plate 2 respectively.

The Pre-bid conference ended with vote of thanks to the Chairman.

Annexure – 1

Participants in the pre-bid conference for Tender of Supply of Automatic Data acquisition & Real time Data Transmission System equipment on 20-02-2013

Sl.no	Name of Participant	Organisation
1.	Sri. M. Ramesh Kumar, Superintending Engineer, Godavari Circle, Chairman of the Committee	Central water commission Hyderabad
2.	Sri. A. Paramesham, Superintending Engineer, K & C Circle, Member	Central water commission Hyderabad
3.	Smt. M. Swaroopa Rani, Executive Engineer, U.G.D. Member Secretary	Central water commission Hyderabad
4.	Sri. A. Krishna Rao, Executive Engineer, L.K.D. Member	Central water commission Hyderabad
5.	Sri. Nehal Hasan, Assistant Engineer (Comm), L.K.D. Member	Central water commission Hyderabad
6.	Smt. A. Sri Satyavani, Assistant Accounts Officer, U.G.D.	Central water commission Hyderabad
7.	B. Manga Rao, Deputy Executive Engineer, A.P.S.D.P.S. Member	A.P.S.D.P.S, Planning Dept Govt of Andhra Pradesh
8.	Smt. K.Rekha Rani, Assistant Director, O/o C.E, KGBO.	Central water commission Hyderabad
9.	Sri. E. Venkateswarlu, Assistant Director, O/o C.E, KGBO.	Central water commission Hyderabad
10.	Sri. M. Ravi, Sub Divisional Engineer, Godavari Circle.	Central water commission Hyderabad
11.	Sri. S.V.M. Gopal Reddy, Assistant Engineer (Comm), U.G.D.	Central water commission Hyderabad
12.	Sri. H.C.Pradhan, Junior Engineer (Comm), U.G.D.	Central water commission Hyderabad
13.	Sri. R.R.Ghorpade, Project Manager,	M/s Sutron Hydromet System New Delhi
14.	Sri. Sunil S. Patil, Assistant General Manager - Projects	M/s Essel Shyam Technologies Ltd Noida
15.	Sri. N.Harshavardhan Reddy	M/s Astra Microwave Products Ltd Hyderabad
16.	Sri. Sunil V. Thomas	M/s Emwhiz Technologies Pvt Ltd Chennai

FINANCIAL TENDER FORMAT

The rates may be given in Indian Rupees only.

TABLE-A1

S. No	Name of item		Qty	Unit	Rate		Amount
					In Fig	In Word	
1	Supply, installation, testing and commissioning of automatic rain fall sensors (tipping bucket type) complete with accessories.		15	Nos.			
2	Supply installation ,testing and commissioning of real time (satellite based) data communication system and data logger with display unit with all equipment and accessories such as satellite transmitter , power supply unit including solar panel , charge regulator , batteries , lightening arrester and earth system in NEMA4 enclosure with all connectors and cables including integration of the system with earth receiving stations.		15	Nos.			
3	Supply, installation, testing and commissioning of bubbler type water level sensors with all accessories (Amount to be calculated for 200m length of tubing)		6 (As per site conditions)	m			
4	a) Supply, installation, testing and commissioning of Radar type Water level sensors for the locations mentioned in Annexure – 1, with all accessories on a cantilever projection from a mast or pedestal made of structural steel or RCC with sufficient strength as per technical specifications and directions of engineer-in-charge.	**Measuring Range in metres**					
		Up to 15	5	Nos.			
		Up to 30	1	No.			
	b) Supply, installation, testing and commissioning of Radar type Water level sensors for the locations mentioned in Annexure – 1, with all accessories on deck of the existing bridge, as per technical specifications and directions of engineer-in-charge.	Up to 30	1	No.			

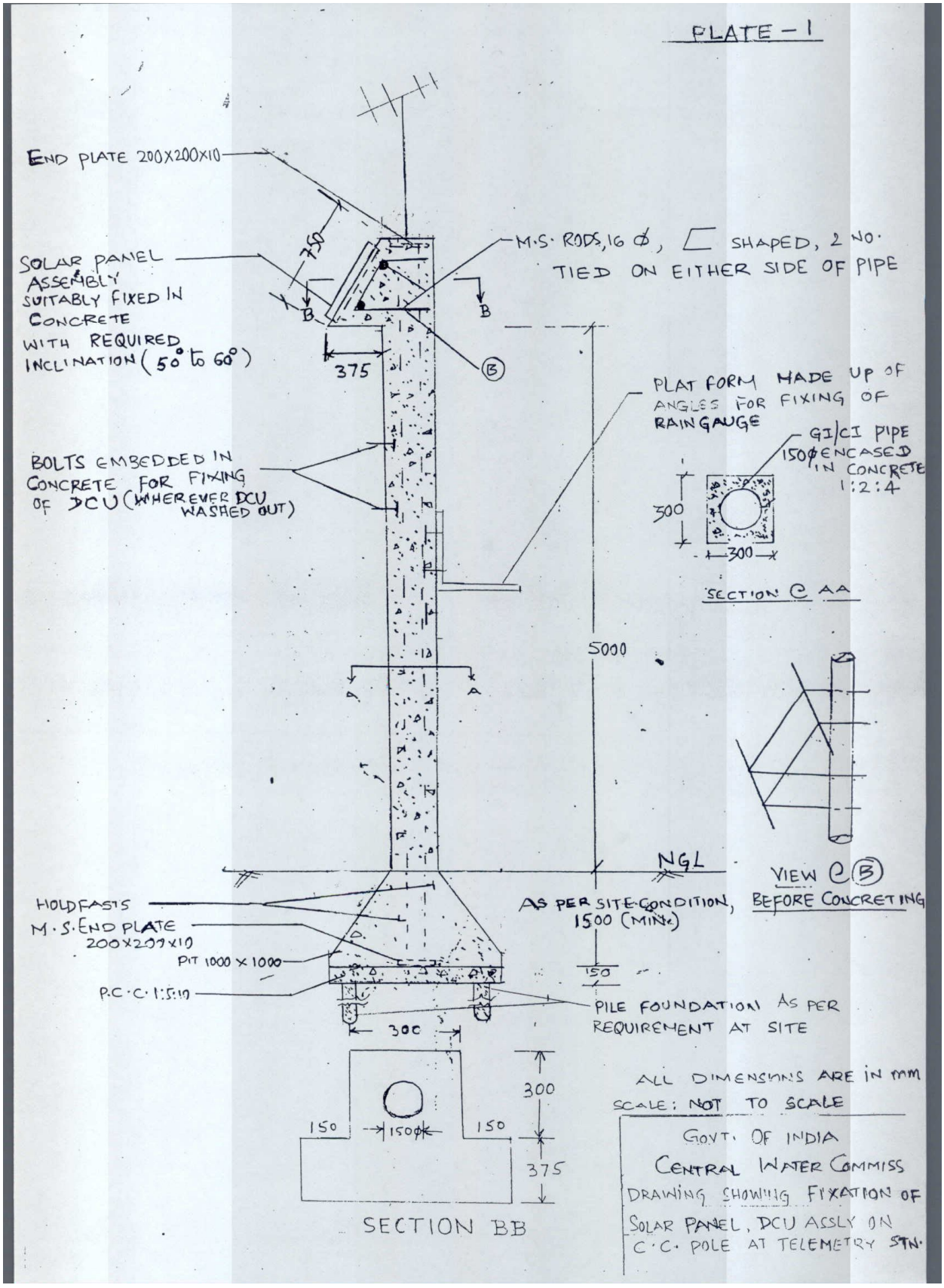
FINANCIAL TENDER FORMAT

The rates may be given in Indian Rupees only.

TABLE-A2

S. No	Name of item	Measuring range in metres	Qty	Unit	Rate		Amount
					In Fig	In Word	
1	Supply, installation, testing and commissioning of Radar type Water level sensors for the locations mentioned in Annexure – 2, with all accessories on a cantilever projection from a mast or pedestal made of structural steel or RCC with sufficient strength as per technical specifications and directions of engineer-in-charge.	>30	2	No			

PLATE – I



ALL DIMENSIONS ARE IN mm

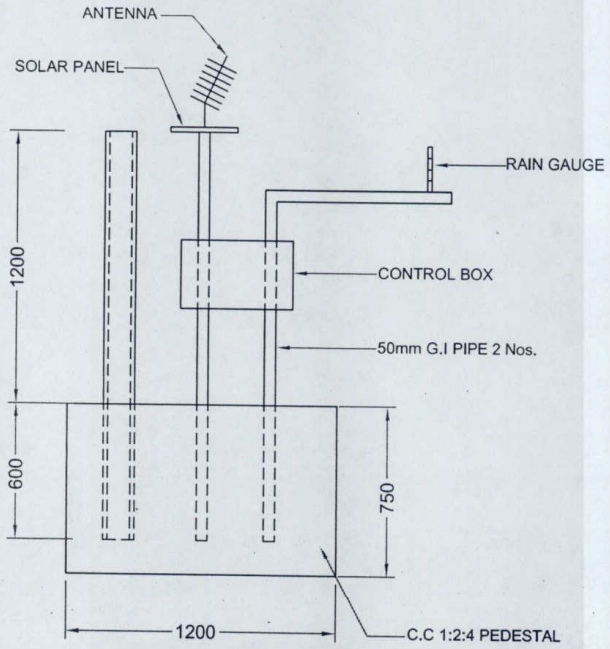
SCALE: NOT TO SCALE

GOVT. OF INDIA
CENTRAL WATER COMMISS

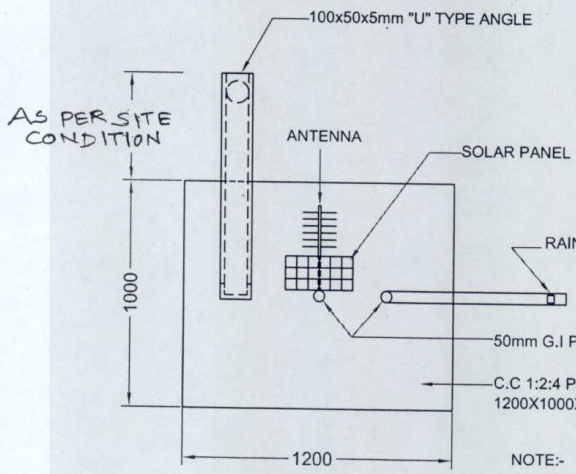
DRAWING SHOWING FIXATION OF SOLAR PANEL, DCU ASSLY ON C.C. POLE AT TELEMETRY STN.

PLATE- 2

DETAILS OF CIVIL WORK FOR RADAR SENSOR SYSTEM FOR RESERVOIRS



ELEVATION



PLAN

NOTE:-
1. DRAWINGS ARE NOT TO THE SCALE
2. DIMENSIONS ARE IN mm