

**CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE
SANTOSH NAGAR, HYDERABAD – 500 059**

**Proceedings of the pre-bid meeting for Automatic Weather Stations
held on 1st March, 2011**

The pre-bid meeting related to procurement of Automatic Weather Stations under NICRA was held at CRIDA, Hyderabad on 1st March 2011 at 3:00 pm. The following committee members were present in the meeting.

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| 1. | Dr GR Korwar, Head, DRM | : Chairman |
| 2. | Prof. R. Jagannathan, Professor in Agromet, TNAU | : Member |
| 3. | Dr M. Satya Kumar, Director, IMD, Hyderabad | : Member |
| 4. | Shri S. Somasundaram, Consultant | : Member |
| 5. | Dr VUM Rao, Project Coordinator | : Member |
| 6. | Dr NN Srivastava, Principal Scientist | : Member |
| 7. | Shri SKC Bose, Sr. Finance & Accounts Officer | : Member |
| 8. | Shri Ashish Roy, Chief Administrative Officer | : Member Secretary |

At the outset, Dr B. Venkateswarlu, Director, CRIDA welcomed the members and bidders who participated from different firms (Annexure-I). After introduction of the bidders, the following deliberations have taken place for pre-bid meeting.

Summary of discussions held

Sl. No.	Issues	Clarifications issued / Decisions arrived at
1.	Installation Completion Period	As early as possible after confirmed order, but not exceeding 6 months.
2.	Currency to be quoted in	The bid should be quoted either in US\$ or in Indian Rupees, for maintaining uniformity. It can also be partially in US\$ (foreign components) and the balance in Indian Rupees (the Indian/local components). The bid security should also be furnished in the same manner. The bid shall be evaluated at the RBI exchange rate prevalent on the day of bid opening obtained from any Scheduled Bank and converted into INR for final comparison of bids.
3.	Price Schedules	The bid shall necessarily be submitted in two Price Schedules. All the components of imported origin should be quoted in the "Price Schedule for Goods to be imported from abroad" given in page 51 of the tender document. All the components of Indian/local origin should be quoted in the "Price Schedule for Domestic Goods" given in page 50 of the tender document in INR.
4.	Payment Terms	Letter of Credit shall be opened for the total contract value in favour of the supplier, with the condition that 40% of the amount shall be released on shipment of the consignment and the balance 60% on installation, commissioning, testing, acceptance and data generation. The 60% component shall be released in four instalments, i.e. on satisfactory installation and commissioning of AWS in four lots of 25 each.

5.	Indian manufacturer	In the case of an Indian manufacturer (no foreign shipment involved), 40% of the contract amount shall be released in four instalments, i.e. on satisfactory delivery of equipments to concerned KVKs along with the certificate issued by the respective KVK for safe receipt of the consignment, in four lots of 25 each.
6.	Terms of supply	Bids should be on CIP basis. Order will placed only on CIP basis.
7.	Customs clearance	The consignment shall be cleared by the CRIDA through their authorized Clearing Agents.
8.	Customs Duty	Customs duty on the consignment, if applicable, shall be borne by CRIDA.
9.	Pre-Inspection	There shall not be any pre-shipment testing. The supplier should certify that the goods have been tested and meets the stipulated specifications. The inspection on delivery will be limited to shortages and damages only.
10.	Bid Security	The bid security has been fixed as a lump sum amount of Rs. 20 lakh (Rupees twenty lakh only) or US\$ 45,000 (US Dollars forty-five thousand only), to be furnished by the bidder by way of Bank Guarantee from a Scheduled Indian Bank or any foreign bank guarantee endorsed and co-accepted by a Scheduled Bank, Indian or foreign origin who has an office in India, or Demand Draft.
11.	Warranty	The warranty requirement for the equipments shall be for 36 months from the date of satisfactory testing for data receipt. In the event of the equipment requiring any rectifications, the warranty will start from the date of successful rectification.
12.	Comprehensive Maintenance Contract	On the expiry of warranty period, the AWS System shall be under Comprehensive Maintenance Contract (CMC) with the supplier for the next two years. The CMC should be quoted year-wise separately, i.e. for the fourth and fifth year after warranty period. The right to enter into CMC lies with Director, CRIDA. The cost of CMC shall form part of the total bid amount. The CMC shall cover all liabilities to keep the equipments in satisfactory working condition, including consumables, cleaning/painting/ replacement of sensors etc. There shall be preventive maintenance visits once in four months apart from emergency visits. Failure to do so shall attract a penalty of Rs.5000/- (Rupees five thousand only) per station.
13.	Import of Spares under CMC	CRIDA will extend the same facility for clearing excise and customs during CMC period.
14.	Terms of delivery of equipments	The equipments shall be shipped within 60 days from the date of opening of LC. No partial shipment is allowed. If a trans-shipment takes place, it should be moved within three days from the date of landing in the trans-shipment point. For any problems, the bidder will be wholly responsible for any loss, damage, undue delay, etc.

15.	Demonstration unit	One demonstration unit shall be supplied, erected and installed immediately after issuing confirmed order, but not exceeding 30 days. The demonstration unit shall form part of the total number of equipments ordered for.
16.	Certification of equipment	Each sensor of the equipment (temperature, wind, rainfall, etc.) needs to be certified by NIST, USA or equivalent international accreditation standards, individually. Certification of one unit of the model with all its sensors shall be sufficient.
17.	Height of tower	The height of the tower shall be 3 metres above ground. The wind sensor shall be fixed at 3 metre height while temperature and RH shall be placed at a height of 1.2 metre. Rain gauge shall be at 1 metre height from the surface.
18.	Calibration	Calibration of sensors shall be done on annual basis.
19.	GSM Operator	The SIM Card to be installed in the equipment for communication shall be procured in the name of Director, CRIDA; however the expenses on this account shall be borne by the supplier. The supplier is free to choose the operator based on network connectivity in the places the equipments are to be installed.
20.	Fence Dimension	The fence around the AWS installation shall be 8m x 6m in area and 1.2m in height. The fence shall be made of 3 inch x 3 inch GI chain link of size 10G with provision of gate and locking facility.
21.	Server	It has been decided to increase the number of server from one to two; the second one to be used as backup. Therefore, the bid should include the cost of two servers. Minimum specifications for server are detailed below. 2 x Quad Core Intel Xeon E5540 Processors @ 2.66 GHz 1333 MHz FSB, 8 MB Shared L2 Cache Memory Intel 5520 Chipset 8 GB PC3-10600 DDR III ECC Registered DIMM's 6 Hard Disk Drive Bays – 2.5" 4 x 300GB 15000 RPM – 2.5" SFF SAS Hot Swap HDD's Slim Line 24x Combo Drive Integrated Server RAID BR10i RAID Controller 2 Video Ports (One Front One Rear) 2 x Embedded Gigabit Ethernet Ports Integrated Systems Management Controller 2 x 675w Hot Swap Dual Redundant Power Supplies Predictive Failure Analysis Support on Processors, Memory,VRM's,HDD's ,Power supplies 6 Hot Swap Redundant Fan's 1 U Form factor – Rack Mountable 4 USB Ports (Two Front Two Rear) Windows Server 2008 Standard Edition with License & CD media 3 Years On-site Warranty 27U Space Rack with 1000cm depth 5KVA UPS with 3 hours battery backup

22.	Financial background of the supplier	The principal supplier shall have an annual turnover of at least five times the bid value. Copy of balance sheet or audited account statement shall be furnished by the supplier along with the bid for verification for a period of previous 3 years.
23.	Experience of supplier	The supplier should furnish proof of at least 100 installation of Automatic Weather Stations, installed anywhere in the world, along with the bid, by submitting the contract copies received from their clients and certificates from them stating that equipments are working satisfactorily and after-sales-service provided is also satisfactory.
24.	Literature and Catalogue	The sensors and other accessories quoted in the bid should be provided with relevant literatures, manuals and catalogues, etc.
25.	Amendments and Corrigenda in the tender document	Enclosed as Annexure-II.
26.	List of locations	The list of locations where AWS are to be installed is given in Annexure-III.

Note: No more queries / clarifications will be entertained.

The meeting ended with vote of thanks.

The above proceedings are duly approved by the Competent Authority.

Annexure-I**List of representatives of companies who attended the Pre-Bid Meeting**

Name & designation of the representative	Company Name	Address	Contact information: Mobile No. E-mail Fax :
1. Navtej Singh Saini, Sr. Deputy Manager	Indosaw	Industrial Area Ambala, HR	0171-2699212 denquiry@indosaw.com
2. Sameer Dewan, Manager + Mukesh Kumar	Metos Instruments India Pvt. Ltd.,	Metos House, D-213, Vivek Vihar-I, Delhi-95	011-22155942 drgoel@vsnl.com metos@vsnl.net
3. Ch. Jagadeesh, Sr. Manager	Swan Environmental Pvt. Ltd.,	Plot No: 922 & 935, Swami Ayyapa Co-op Society, Madhapur, Hyd.	9642225220 jagadeesh@swanenviron.com 040-40216183
4. Madhava Rao, Manager	NELCO Ltd.,	EL6, TTC Indl Area, Navi Mumbai	9867374901
5. Ram Mohan P.M., Vice President	Geo Edge Technologies	Coimbatore	9840334656 email: rammohan.pm@gmail.com
6. Deepak Gupta, Product Manager	Elcome Technologies Pvt. Ltd.,	Gurgaon	9818612048 deepak.gupta@elcometech.com
7. Arun, AM	Aimil	315-316, 3 rd Floor, Swapnalok Complex, SD Road, Secunderabad	9989166931 hyderabad@aimil.com 040-3028512 (F)
8. Arvinder Brara, Authorized Representative	Coastal Environmental Systems, Inc.,	Seattle, USA	09868118054 (011)26912435 braraa@yahoo.com
9. RR. Ghorpade, Project Manager	Sutron Hydromet Systems (P) Ltd.,	New Delhi	09810013462 naresh@sutron.com
10. M.K. Bose, CEO	Spectra Agritech	B1-B2, Ashok Apartments, ranjith Nagar, new Delhi	9810120199 mkb@spectragritec.com 011-25703946
11. Preet Ahluwalia, Manager Operations	Info Electronics Systems India, Pvt. Ltd.,	P-18, New Delhi	9312251616 preet@info-electronics.co.in

12. B. Kiran Kumar, Manager	Obel Pvt. Ltd.,	# 7, 126, Jaya Mansion, SD Road, Sec-bad	9618360003 obelindia@gmail.com
13. Sunil Patil, Sr Manager	AMPL Hyd.	Astra Towers, 3 rd Floor, Kondapur, Hyd.	9848530002 spatil@astramwp.com
14. Sham Chandari, Regional Manger	YSI, Inc.,	Level 4, Augesta, Sector 53, Gurgaon	9891220639

Annexure-II

AMENDMENTS AND CORRIGENDA IN THE TENDER DOCUMENT

Sl. No.	Page No.	Clause No.	Line	Amendment / Corrigendum
1.	02		Last date for submission of bid/sealed tenders : 10.03.2011 by 11:00 hrs	read as: Last date for submission of bid/sealed tenders : 17.03.2011 by 11:00 hrs
2.	02		Technical bid opening : 10.03.2011 at 14:00 hrs	read as: Technical bid opening : 17.03.2011 at 14:00 hrs
3.	02		Commercial bid opening : 11.03.2011 at 14:00 hrs	read as: Price bid opening : 18.03.2011 at 14:00 hrs
4.	10	15.4		Clause does not apply for tender document downloaded from website.
5.	39	Manufacturer's Auth. Form - 3 rd para	clause 15 of General conditions of Contract	read as 'clause 16 of the General conditions of Contract'
6.	42	A(1)(b)	Accuracy: $\pm 0.3^{\circ}\text{C}$ or better....	read as: Accuracy: $\pm 0.2^{\circ}\text{C}$ or better....
7.	42	A(3)(a) A(3)(c) A(3)(d)	Range : 0 to $\sim 1750 \text{ W/m}^2$ Resolution : 1 W/m^2 Accuracy : 1 W/m^2	read as: Range : 0 to $\sim 1500 \text{ W/m}^2$ Resolution : 5 W/m^2 Accuracy : $\pm 5\% \text{ W/m}^2$ addendum: Calibration traceability : World Radiometric Reference
8.	42	A(4)(c)	Resolution : 0.2 mm	read as Resolution : 0.5 mm
9.	42	A(5)		addendum: Sensor Type : Ultrasonic
10.	42	A(5)		Repetition of the Point No.5 may be ignored.
11.	43	A(6)		addendum: Sensor type : Ultrasonic
12.	43	A(7)	Evapotranspiration	read as: Evapotranspiration Software

List of 100 locations for AWS installations

Sl. No.	State	Address
1.	Haryana	Dr. B.S. Sheokand Sr. Coordinator KVK, Tehsil Road, Dist: Sirsa-125055, Haryana Ph: 01666-221147, Mob:09416413470 sekvksirsa@gmail.com
2.	Haryana	Dr. Om Parkash Mehla, Sr. Coordinator, KVK, Damla, Dist: Yamunanagar- 135001, Haryana Ph: 01746-223320, Mob: 09896719311 sckvkynagar@gmail.com
3.	HP	Dr Madan Lal Bhardwaj, PC KVK, P. O. Saru, Distt. Chamba-176310 Dist: Chamba, Himachal Pradesh Mob: 94181-44057, Ph: 01899-232144 ml.bhardwaj@rediffmail.com kvkchamba@yahoo.co.in
4.	HP	Dr. Anand Singh KVK, Hamirpur at Bara, Dist: Hamirpur – 177 044 , Himachal Pradesh 01971238130 (O), 09418124767 (M)
5.	HP	Dr. Manohar Lal Verma, PC KVK-Kinnaur, at Reckong Peo, Dist. Kinnaur-172107 , Himachal Pradesh Mob: 9418244888, 01786-222122 kvkkinnaur1995@gmail.com
6.	HP	Dr.Vinod Sharma, PC KVK, Bajaura, Dist: Kullu -175125, Himachal Pradesh Mob: 094181-09440; Ph: 01905-287318 vinodpatadhi@gmail.com Rameshkulvi72@gmail.com
7.	J&K	Dr. Amrish Vaid, PC SKUAST-Jammu, KVK, Kathua (J&K) Krishi Vigyan Kendra, Rajhani, Distt- Kathua-184101, J &K Mob: 09419151649 amrishvaid@gmail.com

Sl. No.	State	Address
8.	J&K	Dr. Fayaz Ahmad Misgar, PC KVK, Malangpura, PB. No.1228, istt.Phulwama, GPO Srinagar-190001, Ph: 01933-286952, Mob: 9419440246 kvkpulwama@yahoo.com
9.	Punjab	Dr. G.S. Aulakh , PC KVK, PAU Regional Research Station, Dist: Faridkot- 151203, Punjab Mob: 98728-62274 & 95018-00488 kvk@yahoo.com
10.	Punjab	Dr. Harinder singh, PC KVK, Shamsher Nagar, Sirhind, Dist: Fatehgarh Shaib-140406, PAU, Punjab, Mob: 9780090300, Ph: 01763-221217 kvkfgs@gmail.com, kvkfatehgarh@pau.edu
11.	Punjab	Dr. Satpal Saini, PC KVK, PAURRS, Haveli Kalan, Dist: Ropar-140001, Punjab gahuniasp1962@gmail.com
12.	A&N Islands	Dr. Nagesh Ram Controlling Officer 1/C KVK- Central Agricultural Research Institute, PB No. 181, Dist: Port Blair-744101, A&N Islands, nageshramkvk@yahoo.co.in Mob : 09474225222 Dr Subhash Chand, Mob: 09474206538
13.	Bihar	Dr NityanandKVK Paithan Road, Dist: Aurangabad – 431 005 06132-260637(P), Mob:09430949800 pckvk@sify.com
14.	Bihar	Dr Deo Karan, KVK, Adarash Complex, Sohnipatti, Bypass Road P.O. , Dist. Buxar-802101, Bihar 06183-222600(P+F), Mob:09470375113 kvkbuxar@gmail.com Dr. Ramkrishan Roy, SMS (Anil. Sci), ramkrishan@yahoo.com, 09771560192
15.	Bihar	Dr Sailabala Dei KVK, Near Krishi Utpadan Bazar Samittee, Raza Bazar, Dist: - Jehanabad 804 408, Bihar Ph:06114-226764, Mob:09430923966 sbalakvk@sify.com Dr Arvind Kr Sinha, Mob: 09431413543

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18.	Bihar	Dr. Paras Nath KVK, Dt. Agricultural Farm, Raghopur Farm, Dist: Supaul – 852 111, Bihar Ph:06471-250989, Mob:09470050628 kvksupaul@yahoo.com Dr. Govind Kumar, Mob: 09472390663
19.	Jharkhand	Dr Ranjay Kumar singh KVK (BAU), Seed Multiplication Farm, Kullu, Kullu Farm, Chatra, Dist : Chatra – 825 401, Jharkhand Mob:09431339380 Ranjaykumarsingh_06@rediffmail.com Dr Vinod Kumar Pandey, Mob:09431775891
20.	Jharkhand	Dr Gondra Mardi KVK, (BAU), Dist:East Singhbhum, Darisai (Khariya Colony), Vill. Badakhurshi, PO: Badakhurshi, (Ghatshilla) – 832 304, Jharkhand; Ph; 0658-5291810 Mob: 9431580772 kvk_eastsinghbhum@rediffmail.com kvk_eastsinghbhum@yahoo.com Dr.R.M.Mishra, Mob: 08986633965
21.	Jharkhand	Dr Sanjay Kumar KVK, Vikas Bharati, Bishunpur, Dist : Gumla – 83533, Jharkahnd 06523-278535(P), 06253-278306(F) Mob :09430699847 kvkgumla@hotmail.com pandeydrsanjay@ymail.com Dr Niranjan rasad, Mob :09334007283
22.	Jharkhand	Dr. Vinay Kumar Singh, PC KVK, Jainagar, Dist. Koderma, Jharkhand- 825324 06534-262300(P+F), Mob:09471542551 kvkkoderma@gmail.com Dr Sudhanshu Shekhar C0.PI Mob:09430003184

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51.	UP	Dr.Aravind Kumar Singh KVK, Dilip Nagar, Dist: Ramabainagar, UP, Mob: 09415273141

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