Tender No. 57(73)126-PUR/T-183 dated 24/03/2017
for Supply of GNSS Receivers, Antenna and Accessories etc.,

Consequent upon Pre-Bid Conference held on 07/04/2017, the following documents are attached.

1. Minutes of Pre-Bid conference and Clarifiations issued during the Pre-Bid Conference.

2. Attendance sheet of the firms attended the Pre-Bid Conference.

- Controller of Stores & Purchase

Minutes of the Pre-Bid Conference held
on 07/04/2017 at 10.30 a.m at CSIR-NGRI, Hyderabad
to give Clarifications for issues raised by firms against

Tender No. 57(73)126-PUR/T-183 dated 24/03/2017
for Supply of GNSS Receivers, Antenna and Accessories etc.,

The following attended the conference.

From Technical & Purchase Committee

Dr. EVSSK BABU	- Chairman
Dr. K Joshi Catherine	- I/O - Member
Dr. Prantik Mandal	- Member
Dr. Devender Kumar	- Member
Sri. ANS Sarma	- Member
Sri. S. Choudhary, SPO	- Member
Mrs. M.VIJAYAKUMARI, COFA	- Member
Sri.S.GNANAPRAKASAM, COSP	- Member - Convener

From Firms:

M/s. Elcome Technologies Pvt. Ltd., Gurgaon – Represented by Mr. Raj Kumar
M/s. Trimble Navigation, Gurgaon – Represented by Mr. Subhash Kumar
M/s. Janus Trading Co., Gurgaon - Represented by Mr.Shanmukh Gollapudi

In the beginning it was clarified that the bids should be submitted by the Principals (OEM) directly (or) if the bid is submitted through any agent(or) if the agent is involved then the DGS&D registration is must as stated in Clause No.1.1.1 (page No. 4) of tender document failing which the bid will be rejected summarily.

During the pre-bid conference, the clarifications were given to the issues raised by prospective bidders and understood by them. The clarifications given are stated in annexure II

(K Joshi Catherine) (DEVENDER KUMAR) (ANS SARMA) (Prantik Mandal)

(S. CHOUDHARY) (M.VIJAYAKUMARI) (S.GNANAPRAKASAM)

(Dr. EVSSK BABU)
Chairman

M/s. Elcome Technologies Pvt. Ltd., Gurgaon – Represented by Mr. Raj Kumar

M/s. Trimble Navigation, Gurgaon – Represented by Mr. Subhash Kumar

M/s. Janus Trading Co., Gurgaon - Represented by Mr.Shanmukh Gollapudi

Pre-bid Clarifications issued during the Pre-bid Conference held on 07/04/2017

Sl. No.	Page No. / Clause No.	Description in Tender document	Clarification sought	CSIR-NGRI – Reply
	M/s.Elcome Technologies			
1.	Page No. 38 Point No. 3	Should have total minimum 120 channels and should be capable of tracking all the signals of GPS, GLONASS and GALILEO.	Since IRNSS is fully operational and has single overlapping frequency in existing L band, Please add support to track NavIC L5.	Since IRNSS has no utility in crustal deformation studies, we don't require it.
2	Page No. 38 Point No. 4	Receiver should be equipped with display and/or control unit/panel. The receiver should be configurable for reference station monitoring with this unit without any external powered device.	A front panel display for permanent station is not required since it consumes additional power and there are well define LEDs on receiver front panel to depict the receiver behavior. All receiver parameters cannot be configured from on board display or control unit and thus will require as separate windows Tab so we can add this with receiver configuration in place of front panel. Please remove front display or control unit panel.	Receiver should be equipped with display / control unit / panel / keys so that most of the functioning for configuration of reference stations may be done.
3	Page No. 38 Point No. 6	Power Ports: Minimum two external power ports with automatic switching facility, A.C. mains supply adaptability, physical over-voltage protection and polarity protection (for DC). The power ports should not be connected internally. The receiver should support Power On Ethernet (POE).	For permanent stations the PoE has no advantage since PoE power supply comes from special modules which are not installed in field. Please remove PoE	PoE is small item and added utility and hence may be supplied.
4	Page No. 38 Point No. 7 (c)	It should not affect the functioning of receiver's accessories, communication, power (Metsensor, ext. storage, PoE).	Please remove PoE	PoE is required
5	Page No. 38 Point No. 8	Data Ports: Minimum two ports, out of which one should have USB Port. It should be capable of supporting radio modem, telephone line, RS 232 port, RJ45 Ethernet, external memory devices. The receiver must be able to support met-package as well as data I/0 using VSAT using onboard Network port, simultaneously.	Since USB port is used for connection to other devices please include support for USB client port for one of the ports.	Change in specifications for USB is not acceptable.

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6	Page No. 38 Point No. 11	All necessary OEM power, data cables, internal battery with charger, storage card, Y cable for simultaneous supply from AC and DC, as required.	An internal battery for field is not recommended since it charges at a specific temperature and typically receiver draws power from external power sources which can be multiple for redundancy. Please remove internal battery with charger.	Internal battery is advantageous and required for receiver testing. Hence, no change in specifications.

Sl. No.	Query	CSIR-NGRI's Reply
	M/s. Trimble	
1.	Remote monitoring and online data down-loading capability directly through radio modem / telephone line/RS232 & Ethernet. In-built GSM or radio module for real data transmission. In case of external GSM/radio module a) It must be IP67 compliant. b) Power consumption: 5WMax (Total system including receiver). It must be powered by AC and DC simultaneously. c) It should not affect the functioning of receiver's accessories, communication, power (Metsensor, ext. storage, PoE) In this regard I would like to inform that 1. Since we do not have a In-built GSM slot we will be supplying External GSM Module.(External Router) 2. We will supply External Enclosure Box for Router which will be IP67 Compliant. 3. Any external Router will have Typically a Power Consumption between 3 to 5 W hence Total Power consumption of 5 W including Receiver is unrealistic. We would request you not to combine the power consumption of these Two. Our receive has very low power consumption and consumes only 3.8 W power . I would also like to know whether the 1.SD Cards which goes inside a GNSS receiver should also be IP 67 Compliant. 2. The GPRS SIM which goes inside the inbuilt SIM Slot of a GNSS receiver should also be IP 67 complaint.	1. If the power consumption of the modem is high and it requires additional power, then we need to put an additional battery, a ccu, a solar panel with frame and mounting platform. We need to redesign the entire set up. Looking at the space, resources, and logistics, it is not possible to do it and hence we are asking for low power consumption unit. 2. The individual component of the unit (e.g., SD card, SIM etc) may not be IP67 compliant but since the enclosure which housed/protect them, is IP67 compliant, these components are considered IP67 compliant.

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CSIR - NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
(Council of Scientific & Industrial Research)
UPPAL ROAD, HYDERABAD-500 007,Telangana, INDIA

ATTENDENCE SHEET

Pre-Bid Conference for supply of GNSS Receivers, Antenna and Accessories against Tender No. 57(73)126-PUR/T-183 dated 24/03/2017

The following Representatives have attended for the Pre-bid Conference held on 07/04/2017 – 10.30 a.m. at CSIR-NGRI, Uppal Road, Hyderabad.

Sl. No.	Name & Designation	Company Name & Address	Contact Telephone No. with e-mail
1	SUBHASH KUMAR	TRIMBLE NAVIGATION	8978500887 subhash_kumar@Trimble.com
2.	SHANMUKH GOLLAPUDI	JANUS TRADING Co, GURGAON	7382078090 shanmukh@janusCorp.in
3.	Rajkumar (GM)	Elcome Technologies Pvt Ltd	Rajkumar 9849000407.