



भारतीय प्रौद्योगिकी संस्थान इंदौर  
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IIT Indore

NIT No.: IITI(MM)/CE/1/1A/779/MFA/2018-2019

May 22, 2018

### PREBID REPORT

The meeting for Pre-bid discussion and presentation was held at IIT-Indore on 16/05/2018 from 3.00 PM onwards for Notice Inviting Tender (NIT) for DGPS integrated Bluetooth enabled GNSS Based and receiver with Antenna in Single Housing.

Total 04 (Four) Bidders have attended the prebid meeting and the details of the firms are as mentioned below:

1. M/s. Safew Tech Systems.
2. M/s. Elcome Technologies Pvt. Ltd.
3. M/s. All Terra Solution Pvt. Ltd.
4. M/s. Aimil Ltd.
5. The report of the meeting is as below.

S. No.	Reference of the Clause No. of the Tender Document	Query/ Clarification/ Deviation sought	Clarification response from IIT
1	Chapter -11 Annexure I Technical Specification	<b>Operating temperature</b> (for all major RTK component) specified in tender: - 40° C to +75° C. <b>Our Suggestion/ Request/ Deviation sought:</b> Operating temperature to be: ≤ - 20° C to + 65° C Justification for deviation sought: For survey receiver/ RTK components, unless working in very severe/ extreme climates, - 20° C to + 65° C operating temperature is an ideal range and is universally accepted. Especially for applications in India beyond 20° C to + 65° C range is generally not required. Therefore, it is advisable if you could revise the operating temperature to the suggested/ requested range.	Research at IIT includes work in the Himalayan Glaciers where temperature are often below -20° C

2	<b>SATELLITE TRACKING-</b> Should be capable of tracking. GPS: L1C/A,L1C,L2C,L2E GLONASS:L1.C/A,L1P,L2C/A,L2P SBAS:L1C/A,L5 Upgradable toGPS L5, GLONASS L3, GALLILEO E1,E5A,E5B,BEIDOU(COMPASS):B1,B2	Should be capable of tracking. GPS: L1C/A,L1C,L2C,L2P(Y),L1P(Y) GLONASS:L1.C/A,L1P,L2C/A,L2P SBAS:L1C/A,L5 Upgradable to GPS L5, GLONASS L3, GALLILEO E1,E5A,E5B,E6,E5Aaltboc,BEIDOU(COMPASS):B1,B2 B3 QZSS:L1C,L2C,L5, L-BAND	REJECT
3	<b>ACCURACY REAL TIME KINEMATIC-</b> HORIZONTAL :8MM+1PPM VERTICAL: 15MM+1PPM	HORIZONTAL :5MM+0.5PPM VERTICAL: 10MM+0.8PPM	REJECT
4	<b>INTERNAL BATTERIS-</b> Both the GNSS and Controller should be operable with internal battery long enough to last at least 10 hour of field operation	Both the GNSS and Controller should be operable with internal battery long enough to last at least 9 hour of field operation	ACCEPT
5	<b>MEMORY-</b> Memory of 50 MB through internal memory	Memory of 4GB through internal memory	Minimum 1GB internal/ external memory with both receiver and controller
6	<b>OFFICE POST PROCESSING SOFTWARE-</b> The software should be upgradable to process cloud data, Aerial photogrammetry data,GIS schema, geo Reference, PDF vector etc.	Already software should have georeferencing capability	ACCEPT
7		License free radio band for RTK survey	ACCEPT
8	<b>Satellite Tracking:-</b> Should be Capable of tracking -GPS:L1C/A,L1C.L2C,L2F -GLONASS:L1 C/A, L1P,L2C/A,L2P -SBAS:L1C/A,L5 -Upgradable to GPS L5,Glionass L3,Galileo;	Should be Capable tracking -GPS;L1 C/A,L2 C,L2C -GLONASS;L1 C/A, L1P, L2C/A, L2P -SBAS;L1 C/A ,L5 -Upgradable to GPS L5, Glionass L3,Galileo; E1, E5A, E5B, BeiDou (COMPASS);B1,B2	ACCEPT

	E1,E5A,E5B, BeiDou (COMPASS);B1,B2		
9	<b>Internal Battery:-</b> Both the GNSS receiver as well as controller should be operable with internal batteries long enough to last at least 10 hours of field operation.	Bothe the GNSS receiver as well as controller should be operable with internal batteries long enough to last at least 09 hours of field operation.	ACCEPT
10	<b>Memory-</b> Memory of 50 MB through internal memory	50 MB memory is very less for static Observation. Therefore, we recommend you to have at least 4 GB or more through internal memory.	Minimum 1GB internal/ external memory with both receiver and controller
11	Office post Processing Software- SPP- Free single point processing should be available.	This should be deleted.	ACCEPT
12	<b>Surfaces:-</b> He software should be a capable of surface Modelling, 3D visualization and quick contouring	This should be deleted as it is the part of drawing software and not post processing software.	ACCEPT
13	<b>Upgradation</b> The Software should be upgradable to process cloud data, ariel Photogrammetry data, GIS schema, Georeference PDF vector etc	This should be deleted as it is the part of drawing software and not post processing software.	ACCEPT
14	Chapter 11, Annexure-I, Technical Specification:- Satellite tracking-SBAS L5 Upgradable GPS L5 and GLONASS L3	L5 and L3 are not functional for the next 4-5 years. It unnecessary consumes the battery time and also influences the result. Changes Sought:" Please delete the SBAS L5, upgradable to GPS L5 and GLONASS L3."	Reject
15	No. of channels ;Minimum 400 channels	More no. of channels dose not mean getting good accuracy and high precision. It is totally dependent on the receiver tracking technology at which it is tracking the satellites. 100 no. of channels are more than enough to track 60 no. of satellites simultaneously. Changes Sought; No. of channels; minimum 100 channels	Reject

16	No. of ports; 2 No. of RS 232 port	World is moving towards miniature of technology. there is no need two have 2 No. of RS 232 port in the receiver it unnecessary creates a complex circuit to use by the user therefore one no. of RS 232 port is sufficient Changes Sought; No. of port; 1 NO. of RS 232 ports/power ports	Minimum 1 RS 232 port (preferably 2 Port)
17	Memory; Memory of 50 MB through internal memory	Memory should be internal removable memory because it is very difficult to carry the instruments every time to the office to connect it to the system and download the data. therefore it is recommended toe have a internal removable memory in the receiver Changes Sought; memory internal removable memory up to 1 GB	Minimum 1 GB internal/ External memory with both receiver and controller
18	Keyboard; full alfa numeric hard qwerty keyboard	Request you to delete the qwerty word Changes Sought ;key board; full alfa numeric hard key board	Full alfa numeric hard keyboard
19	Chapter 5 Point no.02 EMD Exemption	Certificate of recognition by Department of Industrial Policy & Promotion	Acceptable

**Revised Schedule:**

Submission of Bids	<b>May 31, 2018 upto 03.00PM(IST)</b>
Opening of Bids	<b>June 1,2018 at 03.00PM(IST)</b>

All prospective/willing bidders are requested to take note of this report as part of the Tender document. All other terms and conditions of the tender remain unchanged.

  
 Deputy Registrar(MM)