

Minutes of Pre-bid Conference

Tender no.: OT-63/MNNIT/GIS CELL/Robotic Total Station with accessories dt: 13.06.2014
 For : Procurement of Robotic Total Station with accessories
 Date & time: 01.07.2014 at 13.00 Hrs.
 Venue: Conference Room, MNNIT (adjacent to Purchase Office)

The following participants attended the conference:

Representatives of MNNIT:

- 1) Chairman, GIS CELL
- 2) Prof. V. K. Srivastava
- 3) Mr. Ramji Dwivedi
- 4) Dy. Registrar (Accounts)
- 5) Faculty In-charge (Purchase)

Representatives of Prospective Bidder's:

Sl. No.	Name of Firm	Represented by
1.	M/s Elcome Technologies Pvt .Ltd. Mumbai	
2.	M/s Geo Systems and Survey Software Pvt. Ltd. Ghaziabad	
3.	M/s Aimil Ltd. New Delhi	

Opening Remarks

- (i) The Faculty In-charge (Purchase) had conducted the Pre-Bid Conference and at the beginning welcomed to everybody attending the Pre-Bid Conference for the aforesaid open tender.
- (ii) It was explained that purpose of Pre-Bid Conference is to explain the various important provisions of the bidding documents to the prospective bidders and to clarify any queries that the bidders may have in the subject bidding documents.
- (iii) The indenter discussed a brief description about the equipment, as per **Annexure-A, B & C** of the Tender document, before the audience.
- (iv) The members representing the bidders were asked to furnish their queries in written format so that the replies to the same can provided by the purchaser. Replies to the queries are presented in **Table-1**.
- (v) The Faculty-in-charge (Purchase) expressed his profound gratitude to the participants for their active involvement.
- (vi) The meeting ended with a vote of thanks to the chair.

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Table-1: Minutes of Pre-bid Conference

S. No.	FIRM	RFP Reference(s) (Section, Page)	Offered Specifications	Points of Clarification required/ Query/Remarks (Bidders)	Resolution
1	M/s Elcome Technologies Pvt. Ltd., Navi Mumbai	Point no.7 of technical specifications	Compensator range : ±5' or better	5' compensation range is proprietary of Trimble and the compensation range is not the only limiting factor in the compensator performance there are variety compensation mechanisms like quadruple axis compensator and the setting accuracy of compensator like 0.5" which can give better performance. To allow other vendors to quote it should be changed to 4' or better. Remark: To allow other vendors to quote it should be	The department wants compensating range of ±5' or better. We need two axis compensation combined with Horizontal collimation and Vertical index.

			changed to 4' or better.	
Point no.10 of technical specifications	Distance measurement range without prism : 2km or more	The reflectorless total station of 2kms will typically not able to preserve the accuracy as required in DR mode and typically will need an object size of 1mtr*1mtr for measurement and thus request you to keep reflector less range in the limit to maintain the accuracy of DR. Remark: 1km	Direct Reflex range of 2 Km or more is required for the measurement of the points in difficult terrains such as rivers, hilly areas etc & remote areas.	
Point no.13 of technical specifications	Speed of rotation: More than 100	The rotation speed will typically affect the battery back up for the system and high speed motors are typically required in scanners which need to measure more than 1000 points per second and typically in robotic survey the speed with which a person can move is typically the requirement of the instrument movement which can be close to 3m/sec while surveying. Remark: 45 degree/sec	More speed of rotation is required to carry out the fast topographic survey by mounting the prism on top of a vehicle for flat terrain topography mapping.	
Point no.14 of technical specifications	Surface scan speed : 30 points/minute or more	It is proprietary of Trimble. To allow other vendors it should be changed to 9points/min. Remark: 9points/min or more	Surface scan speed: Amended to 9 points / minute or more.	
Point no.21 of technical specifications	Prism tracking technology : Both Passive and Active	Passive prism technology is better than active prism technology since no power supply is to be given to reflectors. Remark: Either passive or active.	Both active and passive as per the research needs.	

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2.	Geo-System & Softwares, Vaishali Ghaziabad-201010	Point no. 10 of technical specification	Distance measurement range without prism: 2km or more	Remark: Bidder suggested that it should be changed to 1000m only	Direct Reflex range of 2 Km or more is required for the measurement of the points in difficult terrains such as rivers, hilly areas etc & remote areas.
		Point no.12 of Technical specification	Plummet: Built in optical plummet	Remark: Bidder suggested it should be changed as either optical or laser	With our previous experience that laser plummet beam is not clearly visible in direct sunlight
		Point no.13 of technical specification	Speed of rotation: more than 100 degree/s	Bidder suggested to decrease the rotational speed	More speed of rotation is required to carry out the fast topographic survey by mounting the prism on top of a vehicle for flat terrain topography mapping.
				Queried about Points 7, 14, 22, 23, 30, etc.	Queried without specific detail. The specification offered keeping in view for a mid-range total station for considering our academic and research requirement.

Ranjeer Akshay Shivasth