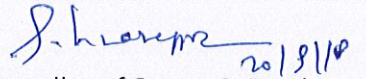


**Minutes of the Pre-Bid Conference
held on 20/09/2018 at 10.30 a.m at CSIR-NGRI, Hyderabad
to give clarifications for issues raised by firms against**

**Tender No. 57(38)2018-PUR/T-32 dated 10/09/2018
Supply, Installation and Commissioning of Miniature Magnetometer System**

Consequent upon Pre-Bid Conference held on 20/09/2018, the following documents are attached.

1. Minutes of Pre-Bid conference and clarifications issued during the Pre-Bid Conference.
(Annexure-I)
2. Attendance sheet of the firms attended the Pre-Bid Conference. (Annexure II)


- Controller of Stores & Purchase

**Minutes of the Pre-Bid Conference
held on 20/09/2018 at 10.30 a.m at CSIR-NGRI, Hyderabad
to give clarifications for issues raised by firms against**

**Tender No. 57(38)2018-PUR/T-32 dated 10/09/2018
Supply, Installation and Commissioning of Miniature Magnetometer System**

The following attended the conference.

From Technical & Purchase Committee

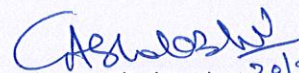
Dr. EVSSK Babu, Sr. Pr. Sct.	- Chairman
Dr. G. Ashok Babu, Sr. Pr. Sct.,	- Member – P.L.
Dr. Nimisha Vedanti, Pr. Sct.,	- Member
Dr. G. Vamsi Krishna, STO	- Member – I.O.
Mrs. P. Rajyalakshmi, F.A.O.	- Member
Sri.S.GNANAPRAKASAM, COSP	- Member - Convener

From Firms:

1. M/s. Chrisvin Geomet Services Pvt. Ltd., Chennai represented by Mr.Vinston.
2. M/s. Toshniwal Bros (Delhi) Pvt. Ltd., Secunderabad represented by Mr Y.Radhakrishna

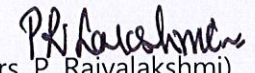
Initially, the clarifications sought by the above two firms vide their emails dated 18/09/2018 were readout and discussed on point wise.

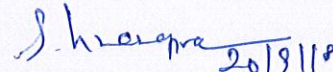
Subsequently, the clarifications were given to the issues raised by above firms and understood by them. The clarifications given are stated in annexure-I

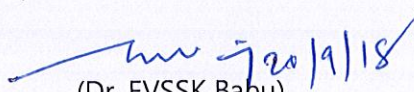

(Dr. G. Ashok Babu) 20/9/2018


(Dr. G. Vamsi Krishna) 20/09/2018

(Dr. Nimisha Vedanti)


(Mrs. P. Rajyalakshmi)
20/9/18


(S.GNANAPRAKASAM)


(Dr. EVSSK Babu)
Chairman

Pre-bid Clarifications issued during the Pre-bid Conference held on 20/09/2018
Tender No.57(38)2018 – Pur/T – 32 dated 10.0-9.2018

Sl. No.	Description in Tender document	Clarification sought	CSIR-NGRI – Reply
M/s.Toshniwal Bros. (Delhi) Pvt. Ltd., New Delhi on behalf of M/s. Gem Systems, Canada			
1.	Specifications & Technical Details (Point nos. 27 & 28) Installation, Demonstration & Training.	GEM Systems cannot install or do training to install AirBird into the customers' UAV aircraft. The customer will need to ask UAV aircraft supplier to do installation for them or at least to help them to do the installation. We do not engage in the installation activity on the UAV aircraft. Therefore, we request that both these point nos. 27 & 28 may please be amended according.	If the firm could not provide training and installation on suitable customer's UAV, then the training should be given at Manufacturer's test facility/where the system can be demonstrated with calibration, testing and validation and operation
	Training:	We are in agreement to provide training to two NGRI Personnel on installation, maintenance and operation of our unit but NOT on a suitable UAV, as written in Point no. 28 of Specifications & Technical Details. GEM will provide training only on AirBird operation without the UAV flight. Therefore, we request you to please amend this Training Clause also.	However full details of test facility should be spelt out in the bid.
	Training Cost:	Please also advise that who will bear the expenses of two NGRI Personnel travelling to Canada towards round trip air tickets & Boarding/Lodging etc. The cost of the training should be paid separately via T/T on presentation of GEM Invoice.	The expenses for training of two NGRI personnel at Manufacturers' facility including round trip air tickets, boarding & lodging will be borne by NGRI.
	Delivery	The delivery takes 8-10 weeks after receipt of order subject to issuance of Canadian Govt. required Export Permit and this usually takes 6-8 weeks processing after submission of correct	The delivery time 8-10 weeks after P.O. is acceptable.

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20/09/18

		paper work End-user Certificate & Purchase Order are the basic documents required to apply for permit. The delivery is dependent upon the issuance of Export Permit.		
	Payment Terms:	Since this item requires Canadian Govt. Export Permit, there might be complications to make the payment via L/C because Bank requires the Invoice name under the banker's name and the bank will be required to issue End-use Statement for the purpose of securing the Export Permit on sale via L/C which is not possible. Canadian Export Control is very strict on this matter. Therefore, we request that 90% payment should be wire-transferred after release of Purchase Order and the balance 10% after acceptance. So we request you to include in the Payment Terms to wire-transfer also along with L/C.	Payment will be made by way of L/C or on Sight Draft basis as per conditions stated in the tender document.	
M/s. Geometrics Inc., USA				
		The specifications are directly from GEM's System and therefore we unfortunately cannot meet all the requirements.,	As CSIR-NGRI needs full-fledged Miniature Magnetometer system as specified below to directly deploy the system to implement with UAS in the ongoing projects. The Miniature magnetometer system should include the following modules as specified in tender: ✓ High Sensitive Magnetic sensor ✓ Suitable aerodynamic rugged and light weight bird to house sensor and sensor drive electronics, laser altimeter and gimbal platform.	

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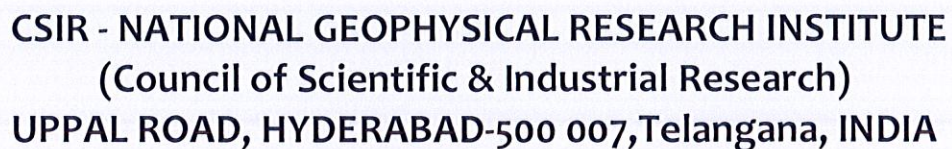
		✓ Laser altimeter ✓ GPS navigation ✓ Data acquisition and recording to record magnetic field, laser altimeter data and DGPS data time stamped with GPS derived UTC time. ✓ Radio link and tow cable/rope ✓ Auto sensor orientation to avoid dead zone ✓ Battery. and suitable for high resolution magnetic surveys for Geophysical exploration using unmanned Aerial Vehicle (UAV). Hence, the supplications are drawn as per the requirement of CSIR-NGRI and not directly taken from GEM Systems.
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P.R. Koushik
20/9/18

G. Vamsi
20/9/2018

J. Hariprasad
20/9/18

20/9/2018 G. Vamsi
20/09/2018



**Pre-Bid Conference for
Supply, Installation and Commissioning of Miniature Magnetometer
against Tender No. 57(38)2018-Pur/T-32 Dated 10/09/2018**

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