

Indian Institute of Tropical Meteorology

PS/125/20/2017

13th February, 2018

SUB:- Minutes of the Pre-bid meeting for purchase of “Instrument for monitoring of CO₂, CH₄, CO, H₂O Concentration (All gases in single instrument)” – Qty 02 Sets (as per the tender document) held on 30th January at IITM, Pune.

In response to our Global Tender Notice No. PS/125/20/2017, representatives of the following prospective bidders / firms / companies had attended the meeting:-

- A. M/s. Aaxis Nano Technologies Pvt. Ltd., Chennai
- B. M/s. ABB India Limited, Bengaluru
- C. M/s. J.C.S. Services Pvt. Ltd., Vadodara
- D. M/s. M A R S Bioanalytical Pvt. Ltd., Delhi
- E. M/s. Nevco Engineers Pvt. Ltd., Belapur.

At the outset Chairman of the meeting welcomed all the members and representatives of the prospective bidders / firms / companies. Indenting Officer briefed the tender document, scope of supply and technical parameters of the equipment to be procured.

Representative of the prospective bidders / firms / companies were asked about any suggestion, queries or technical advancement regarding tender document & Equipment to be procured. The Queries and Institute’s reply to the queries are as given below:

A. Technical & Commercial Queries raised by M/s. Aaxis Nano Technologies Pvt. Ltd., Chennai

Sr. No	Page No.	Clause No.	Description	Clarification Sought	Proposed Specification	Response
1	7	1.11.2	(b) For Goods manufactured abroad:		High Sea sales should be allowed<IITM should provide exemption certificates during the time of import	Agreed as requested
2	37	4.5	Delivery Schedule	System shall be delivered within 1 month after Receipt of Order or as prescribed in PO/Establishment of L.C.	Delivery period should be 24-30 weeks	Revised delivery period is 10 weeks
3	38	4	Experience and Technical Capacity:	a) Equipment / System offered must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening.	Successful operation of similar model (CO ₂ CH ₄ H ₂ O) should be allowed.	No change. As per Tender

4	38	4	Experience and Technical Capacity:	The bidder (OEM/Direct Distributor/Dealer) should have supplied and installed during past 3 years, at least two similar equipments / systems as mentioned in Chapter-4. The Bidder should furnish the information on all past supplies and satisfactory performance during past 3 years in the Performance Statement Form (Chapter-8,Annexure D).Bidders shall invariably furnish documentary evidence (Client's certificate) in support of the satisfactory operation of the equipment / system.	2 installations of similar Laser instrument from same manufacturer should be allowed Eg: water isotope analyzer	No change. As per Tender
5	61	2.1	Measurement Principle	Precision: CO ₂ <0.5ppm; CH ₄ <3ppb; H ₂ O <200ppm; CO<30ppb; or equivalent at two second interval and one sigma standard deviation in ambient air	Interval should be 10sec	No change. As per Tender
6	61	2.1	Measurement Principle	Drift over 24 hrs: CO ₂ < 0.5ppm; CH ₄ < 2ppb; H ₂ O<150ppm; CO<20ppb; or equivalent at twenty minute average at one sigma standard deviation in ambient air	Drift data should be changed.	No change. As per Tender

C. Technical & Commercial Queries raised by M/s. J.C.S. Services Pvt. Ltd., Vadodara

- 1. Request** : Main items are manufactured by Picarro for which they will submit quote in US\$. Other consumable and locally sourced items like fittings, computer and UPS etc will have to be quoted by their Indian agent.

Response : **As per tender. All components has to be covered under warranty.**
- 2. Request** : In the above scenario, Picarro will support, but cannot guarantee overall system performance (we can only guarantee Picarro components).

Response : **As per tender. All components has to be covered under warranty.**
- 3. Request** : Solar panel: we are unsuccessful in finding a vendor ready to undertake its integration with UPS. Further more the requirements of creating a solar power field of such a huge capacity is financially exhausting and technically unviable in scope for us. Kindly delete the requirement of solar panel from scope of supply for this tender.

Response : **Solar Panel is excluded from tender. 24 hours back-up is included in UPS requirement.**

4. **Request** : Reply: At S.no 20 data logger is mentioned and again at s.no 36 j a spare one is required. Kindly review requirement.
Response : **No change. As per Tender.**
5. **Request** : Kindly confirm that you require total of 8+2= 10 scott regulators. S.no 24 and 36i.
Response : **No change. As per Tender.**
6. **Request** : Delivery period to be changed from one month to three months from receipt of clear LC.
Response : **Delivery schedule is revised as within 10 weeks instead of existing 4-6 weeks**
7. **Request** : Payment: 80% on shipment, 10% on installation and 10% on completion of standard one year warranty in lieu of 10% PBG.
Response : **No change. As per Tender.**
8. **Request** : Performance guarantee: 10 % holdback for standard one year warranty in lieu of 10% PBG.
Response : **Balance 10% payment during two years warranty period can be with held by the Institute in lieu of of 10% PBG.**
9. **Request** : Local items need to be delivered to IITM or final destination in Sagar.
Response : **No change. As per Tender.**
10. **Request** : Warranty for local items will be as per manufacturers clause and applicable for one year. No PBG will be provided for these supplied items locally.
Response : **No change. As per Tender.**
11. **Request** : Downtime call attendance be changed to 72 hours in place of 24 hours.
Response : **Changed to “within 72 hours”.**
12. **Other Deviations to tender conditions:**
- a) **Request** : **2.20(d) (Warranty)**
Picarro will make available software updates and upgrades that Picarro generally makes available to its customers for free.
Response : **No change. As per Tender.**
- b) **Request** : **2.20(e) (Warranty)**
Picarro will make available spare parts and support service for five years from the date Picarro announces the end of life of a product. Picarro cannot guarantee 10 years.
Response : **Guarantee of spare parts and support service for 07 years.**
- c) **Request** : **2.20(f) (Warranty)**
Picarro support services are available during Picarro normal business hours in California, USA Support services are available through Picarro’s local agent such as JCS.
Response : **No change. As per Tender.**
- d) **Request** : **2.20(i) (Warranty)**
Not compliant. Picarro does not maintain a spare parts depot in India

Response : No change. As per Tender.

e) Request : 2.20(o) (Warranty)

Picarro will either repair or replace defective products during the warranty at Picarro's discretion.

Response : No change. As per Tender.

f) Request : 2.20(q) (Warranty)

Warranty replacements free of cost, however Picarro does not accept to pay documentation cost.

Response : No change. As per Tender.

g) Request : 2.26.1

Delivery date 1-3 months ARO (or must be agreed by Picarro). Any penalties apply only to the initial delivery of the Products. Delivery of any services are mutually arranged and provided on a best efforts basis.

Response : Changed to 10 weeks

h) Request : 4.3.1(viii) (Inspection & Tests)

Exclusions apply. Refer to comments in Chapter 4 (will follow).

Response : No change. As per Tender.

i) Request : 4.5 (i) (Warranty)

Picarro will provide standard one year manufacturer's warranty and add a second year warranty and Service Plan for comprehensive maintenance (need to decide what service contract) See Picarro's standard manufacturer's warranty included with Picarro's bid.

Response : No change. As per Tender.

j) Request : 4.7 (Documentation and Manuals)

Exclusions apply. Refer to comments in Chapter 4.

Response : No change. As per Tender.

D. Technical & Commercial Queries raised by M/s. M A R S Bioanalytical Pvt. Ltd., Delhi

1. Request : Section 2.1(a):- Precision: Please change the precision of CO to read as

<35ppb, The precision of Tiger Optics Analyzer is better for other gases – as mentioned below:-

CO2<50ppb, CH4<2.5 ppb and H2O < 2ppb

Response : No change. As per Tender.

2. Request : (b) Drift over 24 Hours: Tiger Optics Analyzers are drift free with calibration traceable to world leading reference Lab. Please amend the specification to read as drift free operation of the analyzers for long term monitoring.

Response : No change. As per Tender.

3. Request : (c) Measurement Range: Please clarify if the "Measurement range" asked here is for operating range or it is Lower Detection Limit and Upper Detection Limit. If the measurement range means Lower Detection Limit then please amend the specification of CO to read as 150 ppb – 1 ppb

(1000ppm). We have better specification for other gases:- Co2:- (200ppb –

2000ppm), CH4:- (1ppb – 10ppm).

Response : No change. As per Tender.

4. Request : Clause 3.2 Warranty & Comprehensive Annual Maintenance Contract:-

Please note that our Principal M/s Tiger Optics is manufacturer for Trace Gas Analyzer only and the other instrument which you have asked will be from third party. Hence warranty & CAMC will be controlled by them. So we request you to please change this clause, to **read as two year warranty and five years CAMC for tracr gas analyzer.**

Response : No change. As per Tender.

5. Request : Clause 4.5 Delivery Schedule:- Please amend the delivery schedule for trace gas analyzer to **read as 10-12 weeks after the receipt of Letter of Credit.**

Response : Delivery schedule is changed to 10 weeks

E. Technical & Commercial Queries raised by M/s. Nevco Engineers Pvt. Ltd., Belapur

- 1. Request :** We have gone through the tender and understand that you require Laser based Spectroscopy Analyzer for monitoring CO, CO₂, CH₄ and H₂O. Please refer to attached catalogue of OPSIS we can measure all 4 gases in single analyser and no need to of sampling technique. We can monitor entire path by installing emitter and receiver across the tower and monitor complete height (72 meter) with a single analyser for CO, CO₂, CH₄ and H₂O. Do let us know how we can move forward on this? We can monitor complete tower height (Path) without sampling.

Response : No change. As per Tender.

Committee further recommended to extend the last date for submission of bids from 14th February, 2018 to 21st February, 2018 upto 15:00 hrs.

Kindly note that all remaining earlier terms and conditions are remains same.