



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE
IISER/PUR/2347/23
PREBID CLARIFICATION ON GeM TENDER NUMBER - GEM/2023/B/4811013

Item Description- Procurement of InfraRed Gas Analyzer Photosynthesis System

इन्फ्रारेड गैस एनालाइजर फोटोसिंथेसिस सिस्टम की खरीद के लिए संस्थान की वेबसाइट www.iiserpune.ac.in और GeM पोर्टल पर 27/03/2024 को प्रकाशित एक खुली निविदा देखें।

Refer to an open tender published on the Institute website www.iiserpune.ac.in and on the GeM Portal on 27/03/2024 for procurement of InfraRed Gas Analyzer Photosynthesis System.

बोली-पूर्व बैठक 02/04/2024 को अपराह्न 3.00 बजे आयोजित की गई और बैठक का विवरण इस प्रकार है:

Pre-Bid meeting was held on 02/04/2024 at 3.00 PM and minutes of meeting is as under:

प्रारंभ में, समिति ने सभी सदस्यों और संभावित बोलीदाताओं के प्रतिनिधियों का स्वागत किया और सामान्य रूप से निविदा के दायरे के बारे में जानकारी दी और उसके बाद सहायक रजिस्ट्रार (एस&पी) से बोलीदाताओं को निविदा की मुख्य विशेषताओं के बारे में जानकारी देने का अनुरोध किया। At the outset, the committee welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the tender and thereafter requested Assistant Registrar (S&P) to brief the bidders on the salient features of the tender.

उपस्थित प्रतिनिधि दिए गए उत्तरों से संतुष्ट थे और यह सूचित किया गया था कि प्री बिड कॉन्फ्रेंस के दौरान की गई चर्चा के अनुसार दिए गए सुधार- / परिवर्धन / स्पष्टीकरण को IISER पुणे की वेबसाइट पर होस्ट किया जाएगा और सभी संभावित बोलीदाताओं को बोली दस्तावेजों में निर्धारित अनुसार अपनी बोली जमा करने से पहले प्री-बिड सम्मेलन की कार्यवाही का संज्ञान लेना आवश्यक है।

The representatives present were satisfied with the replies given and it was informed that the corrections / additons / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Pune and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

हमारी आईआईएसईआर वेबसाइट www.iiserpune.ac.in और GeM portal पर जारी नोटिस के अन्य नियम और शर्तें अपरिवर्तित रहेंगी। इस संबंध में और कोई पत्राचार नहीं किया जाएगा।

The other terms & conditions of the notice issued on our IISER website www.iiserpune.ac.in and GeM portal will remain unchanged. No more correspondence in this regard will be entertained.

बैठक अध्यक्ष के धन्यवाद प्रस्ताव के साथ समाप्त हुई।

The meeting ended with vote of thanks to the Chair.

Sd/-

सहायक कुलसचिव (भंडारण एवं क्रय)
Assistant Registrar (S&P)

04/04/2024

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION

PRE-BID CONFERENCE FOR ITEM DESCRIPTION- InfraRed Gas Analyzer Photosynthesis System

S. No.	Query/Clarification Sought	Clarification / Amendment
Queries in the GeM Bid document (Additional Terms and Conditions)		
1	Under ATC Clause no. 11 of the Bid, you have mentioned One Years of Comprehensive warranty from the date of acceptance of equipment. And in the page no 6 of specification attachment sheet, you have written Five years comprehensive warranty. Please clarify because will have significant impact on prices.	Amended as 11. Warranty: The items covered by the schedule of requirement shall carry minimum FIVE years of comprehensive warranty from the date of acceptance of the equipment by IISER, PUNE. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.
<u>Queries in the Buyer Specification Document</u>		
2	“The InfraRed Gas Analyzer Photosynthesis system must be manufactured, sold, installed, and maintained by a single vendor” IT must be read as Manufacturer or their exclusive distributor / Agent , sold ,installed and maintained by a single vender.....”	Amended as The InfraRed Gas Analyzer Photosynthesis system must be manufactured, sold, installed, and maintained by the manufacturer or its exclusive distributor/ Agent; it must be sold, installed and maintained by a single vender a single vendor to ensure a seamless integration, operation and service
3	On page no.1 under Conditions, sub section 3. This clause should be removed as it will not allow a manufacturer who has just launched a new model. Rather, it should replace by ” The Bidder should have atleast five years’ experience in dealing similar products /Instruments”	Tender specification prevails.
4	CO2 Gas Analyzer and concentration control; point iv Suggestion: Accuracy: Within 1% to 2% of reading	Tender specification prevails. *

5	CO2 Gas Analyzer and concentration control; point v Suggestion: CO2 Control Range: 0-2000 $\mu\text{mol mol}^{-1}$ with CO2 Cartridge.	Tender specification prevails. *
6	H2O Gas Analyzer and concentration control; point v Suggestion: Accuracy- within 2% of reading	Tender specification prevails. *
7	Point 3. Query 1: Infrared gas analyzers (IRGA) location is not important because it does not have any connection with research. Hence should be removed. Query 2: Please remove this line, because every instrument has the different mechanism, in GFS-3000 (Heinz Walz, Germany) system contains a high accuracy non-dispersive infrared gas analyzer for the determination of CO2 and H2O with 20 cm optical path length, 6 ml gold plated cells. The IRGA's are located in the console, and these are thermally sealed to protect the moisture/dust.	Tender specification prevails. *
8	Temperatures; point iv Suggestion: Does not make sense to be mentioned in tender specification since the technology differs. Hence please delete.	Tender specification prevails. *
9	Temperatures; point vi Suggestion: Please make it general or delete otherwise you are opting for thermocouple type only which is an old technology. Now a days new technology of non-contact sensors are available which are more accurate and have long life.	Tender specification prevails. *
10	Console Pressure; point i Suggestion: Range: 60 to 110 kpa with accuracy $\pm 0.1\%$	Tender specification prevails. *
11	Console Pressure; point iii Suggestion: These lines are particularly taken by LI-COR catalogue, so kindly remove these lines	Tender specification prevails. *

12	Chamber Pressure Sensor Suggestion: These lines are particularly taken by LI-COR catalogue, so kindly remove these lines, these are not required in technical specifications, because these are the software parts, most of the instruments have this facility	
13	Air Flow Rates Suggestion: No need to mention flow as each system will have different Airflow rates depending on the volume of the system, old technology-based systems will have higher volume require higher flow rate.	Tender specification prevails. *
14	Air Flow Rates; point i Suggestion: Please modify the flow rate between 300 to 1400 $\mu\text{mol s}^{-1}$	Tender specification prevails. *
15	Light Measurement and control system; point iv Suggestion: Delete as its Li-6800 specific	Amended as External LI-190R or a compatible PAR Sensor (please provide the details of the compatible sensor and its advantages and disadvantages for the tender-specified applications. Also please provide a comparison with the LI-190R)
16	Communication Suggestion: All the systems in the market have different communication protocols. Hence it should be deleted as it is Li-6800 specific model.	Tender specification prevails. *
17	Console Suggestion: Please make it general as its Li-6800 specific.	Tender specification prevails. *
18	Console; point v Suggestion: The size or dimension of a product should not be mentioned in the open tender. Kindly Delete.	Tender specification prevails. *

19	Fluorometer Suggestion 1: This again is Li-6800 specific. Rather it should have parameters and Leaf types you will be working with. Suggestion 2: The size or dimension of a product should not be mentioned in the open tender. Kindly Delete. Suggestion 3: Under Item No. 12 Fluorometer sub Item No. viii.Saturation Light: Software controlled intensity; 0 - $\geq 4000 \mu\text{mol m}^{-2} \text{s}^{-1}$ at 25 °C , the saturation Light must be increased by minimum 0 to 16000 $\mu\text{mol m}^{-2} \text{s}^{-1}$.	Tender specification prevails. *
20	Cleaning: Query: Manual/Automatic, please clarify Suggestion: The Analyzers and optics cannot be clean by the user, because the Infrared Gas Analyzers are the heart of the instrument, and these are very sensitive cannot be interrupted by untrained engineers/user. If the user disturbed the IRGA's then the calibration & position of IRGA's can be disturbed and you may not get the accurate result. So, there is no meaning this points, this is the totally misleading the customer, please remove this line	Tender specification prevails. *
21	Point 14 Suggestion: Does not make any general sense as its again Li-6800 Specific. Please delete	Tender specification prevails. *
22	Point 18 Suggestion 1: Please don't use any trade names or numeric numbers which are specific to Li-6800. Suggestion 2: In the tender specifications you have asked for optional accessories i.e., soil temperature, soil moisture sensor and soil co2 flux, for these parameters; there are separate instruments are available for better & accurate result, and most of the manufacturer's are having the sperate instruments for the same. (like LI-COR, PP System, ADC & Walz etc.)	Tender specification prevails. *

23	Point 20 Suggestion: In the tender specifications you have asked for optional accessories i.e., soil temperature, soil moisture sensor and soil co2 flux, for these parameters; there are separate instruments are available for better & accurate result, and most of the manufacturer's are having the sperate instruments for the same. (like LI-COR, PP System, ADC & Walz etc.)	Tender specification prevails. *
24	<u>Accessories demonstration and user training</u> • The vendor must also quote all the accessories and extra consumables for the smooth functioning of system. • The vendor must highlight the specification in their technical brochure sheet and mention compliance with proposed specifications. • The vendor must demonstrate the claimed hardware and software capabilities on-site after the installation • Instrument operation and data analysis training at customer site to be included (at least once per year for 5 years). Query: Please clarify	Tender specifications prevail. *
25	<u>Warranty</u> • Comprehensive warranty for at least 5 years for the entire system including all accessories and systems should be quoted. • Supplier must have an active support in IISER Pune. In the bid, supplier should clearly mention how instrument service and repair time will be minimized. • A qualified factory-trained engineer shall conduct on-site installation, commissioning and training. • The warranty shall commence only upon successful completion of the acceptance test or commissioning. Query: Please clarify	Tender terms prevail. *

26	EMD of Rs. 140000.00 and as per the terms of your GeM Tender No. GEM/2024/B/4811013 it must be exempted in case of an MSME Company.	The EMD Exemption is for the manufacturers of the offered product. Traders/Resellers and authorized agents are not allowed. To avail the EMD exemption and other benefits extended under the Public Procurement Policy (refer OM No: F.No. 1(2) (1)/2016-MA Office of Development Commissioner(MSME) (MA Division dated 9 th February 2017).
27	Duration of ePBG required (Months)/ : 62 Months . Since the Instrument is already bears warranty for two years the duration must be kept valid for only 36 months plus 2 Months.	Tender terms prevail.*

***≡ please specify the deviations, if any, with their advantages and disadvantages for the tender-specified applications.**

