



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH (IISER) PUNE
(An Autonomous Institution of the Ministry of HRD, Govt. of India)
Main Building, Dr. Homi Bhabha Road, Pashan, Pune – 411 008.

Tender for " Supply and Installation of lab equipment benches, Fume hoods, exhaust system and E& M services in the Outreach Chemistry lab at IISER Pune."

NIT Number: 3/IISER/PUNE/2018-19

Date of Issue : 02.08.2018

MINUTES OF PRE-BID MEETING

Pre bid Meeting Held at Office of IISER-Pune on 2nd August, 2018 at 11.00hrs

IISER PUNE	Representatives of bidders
1. Er. Y. S. Rajput, SE, IISER PUNE	As per attendance sheet
2. Er. C. B. Bhojar, EE, IISER PUNE	

Pre bid Meeting for the above work was held at 11 00 hrs on 2 8 2018 at IISER Pune in the presence of above said members and representative of the bidders. The original tender document, terms and conditions uploaded on website shall stands modified to the extent of modifications defined in this MOM including attached Annexures & this MOM shall form part of tender document. Bidders are requested to take note of modifications & work out their market rates considering the modifications listed in the MOM and terms and other terms and conditions in the bid documented. The bidders are further requested to take note of above modifications & quote their rates accordingly. Soft copies of MOM are uploaded on <https://eprocure.gov.in/eprocure/app> & IISER Pune website. The following points raised by the intending bidders were discussed and clarified to the bidders by IISER Pune.

Sr. No.	Ref. to NIT/ BOQ	Point Discussed	IISER Clarification
1	General	Requires drawing in Auto cad format to for ease of internal working and bid preparation. The drawing provided in the tender document are not readable.	Drawing in PDF format issued with the MOM.
2	NIT Clause 3.12 & 3.13 Form "G" & "H"	Whether willingness of the associated agency for E & M works shall be submitted as per Form G and MOU as per form "H", if the main contractor is competent to carry out E & M works.	Main agency has to submit the experience certificates and license to carry out the E&M activities as per the minimum eligibility criteria laid down in tender document for specialized agency.
3	Clause no. 4	Revision in completion period	Period for completion of work as per NIT is 2 months. No change in the completion period)

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4	ANNEXURE 1 PERFORMA '1' Page 34	INFORMATION REGARDING INITIAL BIDDING CAPACITY : Consider the financial information for last 3 years as 2014-15; 2015-16 and 2016-17. The current year 2017-18 is under audit and final figures are not finalized.	No change in tender clause.
5	Form-A Page 35	FINANCIAL INFORMATION : Consider the financial information for last 3 years as 2014-15; 2015-16 and 2016-17. The current year 2017-18 is under audit and final figures are not finalized.	No change in tender clause.
6	BOQ item no. 5.1.1 Page no.28	This item is missing in Item rate BOQ (BOQ_382288.xls) downloaded from CPP portal. Quantity under this item shows 200 Kg instead of 1200 Kg.	BOQ.xls modified
7	Sr. No. 2 BOQ_382288.xls	Part A- Supply of fume hood Providing and supply of bench top constant air volume type fume hood and accessories. As per BOQ_382288, the quantity given in this item is 24 each. It seems there is some typical error occurred.	BOQ.xls modified
8	Sr. No. 2.05 BOQ_382288.xls	FUMEHOOD CONTROL VALVE: Providing and supply of gas and utility control valves, located in the end panels, controlled by extension rods and colour coated plastic handles. Mode of measurement shall be in numbers as described below. The quantity given in this item is 24 each. It seems there is some typical error occurred.	BOQ.xls modified
9	Sr. No. 4 BOQ_382288.xls	PART A- SUPPLY OF EXHAUST SYSTEM: Scope: Design, Supply, Installation / Erection, Testing and commissioning of Laboratory Exhaust Blower, The scope of work includes design, manufacture, testing, delivery to site as per standards. PART A- supply of exhaust system, centrifugal blower & accessories. The quantity given in this item is 560 Nos. It seems there is some typical error occurred.	BOQ.xls modified
10	Technical details / specifications	Auto Sash : Single/combination with toughened glass. It is not found "Auto sash" in the BOQ of fume hood. Hence kindly confirm whether auto sash should be considered or manual sash.	Auto Sash with manual mode is required to be provided
11	General	Blower foundation, wall cutout and cutout filling. Kindly confirm the scope of the same.	All foundations, cutouts and making good the walls in the bidder scope.
12	General	Any Electrical wiring or plumbing work required for installation of the furniture would be borne by the bidder. Kindly confirm the scope of electrical wiring and plumbing work. Upto which point it will be in bidder scope.	1. Water pipeline upto sink shall be provided by IISER. 2. Electrical line tapping point shall be made available near to Lab benches by IISER.

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13	BOQ Item No. 1.1.17	<p>Spot Extractor Providing and supply of spot extractors made of Poly Propylene with articulating joints having large frictional diameter and supported with ball bearings. All metal parts that come in contact with airstreams shall be made from acid resistant stainless steel (SS 316). Extraction arms shall be Φ75mm with 360° rotation, which shall be mounted with a m.s. ceiling bracket, chemical resistance epoxy powder coated. Arms are provided with dampers, tight down to under pressure of 3500pa & air temperature of -10° to 70°C, as per drawing and detailed specification. Mode of measurement shall be in numbers.</p>	Spot Extractor shall be of Poly Propylene as per approved make.
14	BOQ item No.1.1.13	<p>Providing and supplying of PP/Epoxy Sink with all accessories. Work includes cutting opening in granite/ trespas as per drawing and polishing edges with half round nosing, 3 way Epoxy Powder Coated faucet, Make :- Broen / Water saver or equivalent; PEG BOARD made up of 1mm thick SS 304/Acrylic/Epoxy, 750mm x 750mm with 33 nos. of projected polypropylene PEGS adjustable with minimum spacing of 100mm between pegs suitable to hold different sizes of glassware. PP Anti Siphon bottle trap and waste pipe up to drain outlet on the floor complete as per direction of Engineer-in-charge. Contractor shall be provided drain and water arrangement at floor level. PP sink to be fixed to granite/ trespas top with liquid glue all around with polysulphide sealant all around. Rate is inclusive of cost of all materials and operations described above and in general specifications. Mode of measurement shall be in numbers as described below. The rate is inclusive of cost of all material, labour involved, all taxes. Finished work: 1.1.13.1 : PP Sink</p>	Moulded PP sink shall be provided
15	BOQ item No.2.1	<p>Providing and supply of bench top Constant air volume type fume hood and accessories. Walls & Panels: Double wall construction; outer wall of 1.2mm thk Epoxy powder coated CRCA; inner wall lined with 6 mm Thick Phenolic Resin. A free-standing rigid frame structure of steel angle to be provided to support exterior panels and interior liner and baffle panels. To allow for maintenance and replacements, the interior liner panels</p>	No Change in BOQ item

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		shall be removable without disassembly of the frame structure and outer steel panels. Likewise, the exterior steel panels shall be removable without disassembly of the frame structure and inner liner panels. SEFA 8.0 Certified from authorized SEFA approved agency with 10 years written Product Guarantee for all properties mentioned in material property data sheet. 10 years of proven testimonials in Global and Indian reputed Government & Private Research Laboratories. Fire Rating certified by 3rd party for Fume hood application with minimum 60 minutes of Fire rating.	
16	BOQ item No.2.1	Fume Hood Sash: A combination sash to be provided. The sash shall have horizontal sliding glass panels in a vertical rising steel frame. The sash shall be counterbalanced with a single weight to prevent tilting and binding during operation. The glass panels shall be 6mm laminated safety toughen glass mounted on metal rollers in an powder coated aluminum track.	As per BOQ
17	FUMEHOOD & ACCESSORIES Page 20	Proof of Test Passed : Test Certificate issued as per ASHRAE-110, 2016 for above 3 tests or EN-14175 for above 10 tests to be submitted along with the technical bid	Third party certification to be submitted.
18	BOQ item No. 1.1.12.1	Providing and supply of adjustable overhead shelves made of 12mm phenolic resin (Trespa or equivalent), complete modular design consisting of 1 stage horizontal storage shelves, 500mm width. The ends and intermediate vertical supports should be 1.2mm with suitable brackets. Horizontal shelves -Each shelf should have a load carrying capacity of 50 kgs. of UDL for the length of 1000 mm. Exposed edges of board shall be provided with edge banding tape of approved size and shade. Supporting metal uprights and supporting brackets if any of regent shelves shall be paid for separately under BOQ item no 1.1.1.13. Regent shelf length and breadth (actual plan area of each shelf) shall be measured for working out the area for payment. 12 mm thick PHENOLIC RESIN REAGENT SHELF 400mm to 500mm(D) with suitable edge banding and fixing arrangements.	Trespa top 12mm to 13mm shall be accepted.

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19	General	Approved make: Hinges – (Hettich/Darshana) Lock - (Hettich/ Ebco) Ball Slides – (Hettich/ Ebco)	Revised approved make: Hinges – (Hettich / Darshana /Haffle) Lock - (Hettich / Ebco / Haffle) Ball Slides – (Hettich/ Ebco / Haffle)
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Superintending Engineer
IISER, Pune

