



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

PREBID CLARIFICATION ON TENDER NUMBER – DOMESTIC/IISER/PUR/1431/21

ITEM DESCRIPTION- ESTABLISHING A BIOSAFETY LEVEL 3 (BSL 3) LABORATORY AT IISER PUNE

Refer Domestic tender published on Institute website www.iiserpune.ac.in and on CPP Portal on 03/03/2022.

Pre-Bid meeting was held on 14/03/2022 at 3.00 PM and minutes of meeting is as under:

At the outset, the Chairman 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.

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.

Following this meeting, all bidders were provided a tentative plan (drawing) of the proposed BSL-3 facility on the 2nd floor of the animal house. In addition, the bidders were asked to visit the site at IISER Pune on 16/03/2022 at 3 pm, and after this visit, there were given an additional opportunity to submit any further queries till 5 pm on 17/03/2022.

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

The meeting ended with vote of thanks to the Chair

22/03/2022

Sd/-
Assistant Registrar (S&P)

IISER PUNE
PRE-BID CONFERENCE FOR ESTABLISHING A BIOSAFETY LEVEL 3 (BSL 3) LABORATORY AT IISER PUNE
DOMESTIC/IISER/PUR/1431/21
TECHNICAL QUERIES AND CLARIFICATION

S. No	Query/Clarification Sought	Clarification / Amendment
1	<p>Instruments: (Chapter 4; Page no.26,27; Point no. 19,20,21,22,23,25).</p> <p><i>Equipment's to be integrated with the BSL-3 Lab: We wish to confirm that Equipment such as Biosafety Cabinet, Double Door Autoclave, IVC System, Pass Box, ETP - required to be integrated with the BSL-3 Lab, hence shall be a part of the facility.</i></p> <p><i>Standalone 3rd Party Equipments: We wish to confirm that Other 3rd Party equipment's - such as CO2 Incubator, 16R Refrigerated Centrifuge, Refrigerator (- 80 C), Refrigerator (- 20 C), Refrigerator (4 deg. C), Animal Cage Station are standalone equipment's, can be procured directly by the institute to avail Duty benefit, and avoid double taxation cost.</i></p>	<p>No amendment for this point.</p> <p>Duty exemption certificate/letter will be available from IISER Pune for the purchase of any items pertinent to this turnkey project.</p>
2	<p>Warranty / Support: (Page no. 15; Point no. 10)</p> <p><i>The items covered by the schedule of requirement shall carry minimum Five years of comprehensive warranty from the date of acceptance of facility by IISER, PUNE.</i></p> <p><i>We wish to confirm that all the BSL-3 Lab components such as Chilling unit, Air Handling Unit, BIBO unit, LT Panel, Modular</i></p>	<p><i>Amendment to this point:</i></p> <p><i>The items covered by the schedule of requirement must carry a comprehensive warranty of one year from the date of acceptance of facility by IISER, PUNE.</i></p> <p><i>All standalone 3rd party equipment (e.g. Freezers, Refrigerator, CO2 incubators, Centrifuges, animal cage change station, IVC</i></p>

	<p>Panel, BMS, etc comes with a standard warranty. Warranty up to 5 years will increase the cost of the same up to 50%-60%. We therefore request you to kindly consider the warranty for 1 years + 4 years for operations and maintenance in which operations and maintenance cost can be quoted separately.</p>	<p>system, autoclaves) must carry a comprehensive warranty of five years from the date of acceptance of facility by IISER, PUNE.</p> <p>Annual operations and maintenance costs for the next 4 years are to be quoted separately along with the commercial tender documents as an optional add-on cost.</p>
3	<p>Delivery Period / Timeline: (Page no. 11; Point no. 2)</p> <p>The turnkey project must be completely installed validated and commissioned within 120 days after placement of purchase order.</p> <p>BSL-3 Lab being a specialized work involves highly infectious pathogens, requires various components from approx. 35-40 different vendors and the same shall be customized as per the site requirement, which requires standard Manufacturing time. For example, Chilling unit, Air Handling Unit, BIBO, LT Panel, Modular Partition Panel, BMS etc which needs to be integrated to make the BSL-3 Lab functional.</p> <p>Hence practically it is not possible to complete the BSL-3 Lab in 120 days.</p> <p>We therefore request you to please revise the completion period as 8 months for supply & Installation and 3 months for Testing, commissioning and validation.</p>	<p>No amendment for this point.</p> <p>Since existing infrastructure is already available in the animal house, delivery period/timeline for this turnkey project will be 120 days after the placement of the purchase order.</p>
4	<p>EMERGENCY Doors 800 (W) x 2100 mm (H): (Page no. 25; Point 8c)</p> <p>We suggest you to please keep the width of Emergency Door 1000/ 1100 mm for smooth exit during Emergency.</p>	<p>No amendment for this point. The emergency doors must be at least 800 (W) x 2100 mm (H) as mentioned.</p>
5	<p>R-45 mm Wall to Floor Sand-Cement fabricated coving: (Page no. 24; Point 7.4)</p>	<p>No amendment to this point. Epoxy or Aluminium coving will also be permitted.</p>

	According to WHO/BMBL/DBT guidelines for wall to floor Epoxy or Aluminum coving is recommended. We suggest you to please amend it.	
6	<p>Approved make list:</p> <p>Diffuser: (Page 21; Point 4.2) Ajanta/CRT/Continental/Equv.</p> <p>Fire Damper: (Page 22; Point 4.3) Ajanta/CRT/Continental/Equv.</p> <p>Electrical Panel: (Page 22; Point 5) Tricolite/ESC/Power Control/ISI</p> <p>M C C Panel - Main-250 Amps.</p> <p>Electrical Panel & M C C panel - UPS Panel: (Page 23; Point 5.1) Tricolite/ESC/Power Control/ISI</p> <p>Wall Cladding, Wall Partition Panel: (Page 24; Point 7.1) Fabtech/CRT/Chempharm</p> <p>Walkable Clean room Ceiling system: (Page 24; Point 7.2) Fabtech/CRT/Chempharm</p> <p>Wall to ceiling and Wall to wall coving with Extruded aluminium powder coated (R= 42): (Page 24; Point 7.4) Fabtech/Cleanroom Systems/Equv.</p> <p>Clean Room Door System: (Page 25; Point 8) Fabtech/Cleanroom Systems/Equv</p> <p>Clean room compatible Double Leaf Doors: (Page 25; Point 8a) Fabtech/Cleanroom Systems/Equv</p> <p>Clean room compatible Single Leaf Doors: (Page 25; Point 8b) Fabtech/Cleanroom Systems/Equv</p> <p>EMERGENCY Doors: (Page 25; Point 8c) Fabtech/Cleanroom Systems/Equv</p> <p>Double glazing windows: (Page 25; Point 9) Fabtech/Cleanroom Systems/Equv</p> <p>SS-Static Pass Box: (Page 25; Point 10) Fabtech/Cleanroom Systems/Equv.</p> <p>Biosafety Cabinet: (Page 26; Point 17) Thermo/ESCO/Nuaire</p> <p>BMS: (Page 25; Point 11) Alarton/Honeywell/Loytec/Delta</p> <p>GI Duct sheet: (Make not mentioned)</p> <p>BIBO HEPA Filter with filter module: (Make not mentioned)</p> <p>HEPA Filter with filter module: (Make not mentioned)</p>	<p>Amendment to approved make list:</p> <p>Diffuser: Ajanta/CRT/Continental/Caryaire/Equv.</p> <p>Fire Damper: Ajanta/CRT/Continental/Caryaire/Equv.</p> <p>Electrical Panel: Tricolite Tricolite/ESC/Power Control/ISI/KEPL</p> <p>M C C Panel - Main-250 Amps. Electrical Panel & M C C panel - UPS Panel: Tricolite/ESC/Power Control/ISI/KEPL</p> <p>Wall Cladding, Wall Partition Panel: Fabtech/CRT/Chempharm/GMP/Nicomac/Equivalent</p> <p>Walkable Clean room Ceiling system: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Wall to ceiling and Wall to wall coving with Extruded aluminium powder coated (R= 42): (Page 24; Point 7.4) Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Clean Room Door System: (Page 25; Point 8) Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Clean room compatible Double Leaf Doors: Fabtech/CRT/Chempharm/GMP/Nicomac /Equivalent</p> <p>Clean room compatible Single Leaf Doors: Fabtech/CRT/Chempharm/GMP/Nicomac /Equivalent</p>

	<p>We request you to kindly amend as:</p> <p>Diffuser: Ajanta/CRT/Continental/Caryaire/Equv.</p> <p>Fire Damper: Ajanta/CRT/Continental/Caryaire/Equv.</p> <p>Electrical Panel: SEP Tricolite/ESC/Power Control/ISI/KEPL</p> <p>M C C Panel - Main-250 Amps. Electrical Panel & M C C panel -</p> <p>UPS Panel: Tricolite/ESC/Power Control/ISI/KEPL</p> <p>Wall Cladding, Wall Partition Panel: Fabtech/CRT/Chempharm/GMP/Nicomac/Equivalent</p> <p>Walkable Clean room Ceiling system: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Wall to ceiling and Wall to wall coving with Extruded aluminium powder coated (R= 42): (Page 24; Point 7.4) Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Clean Room Door System: (Page 25; Point 8) Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Clean room compatible Double Leaf Doors: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Clean room compatible Single Leaf Doors: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>EMERGENCY Doors: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>Double glazing windows: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>SS-Static Pass Box: SEP Fabtech/Cleanroom Systems/Biosafe/Equv.</p> <p>Biosafety Cabinet: Thermo/ESCO/Biosafe/Nuaire</p> <p>BMS: Alarton/Honeywell/Loytec/Delta/Siemens/Schnider</p> <p>GI Duct sheet: SEP TATA/ JSW/ SAIL/JINDAL/EQUIVALENT</p> <p>BIBO/HEPA SEP AAF SEP CAMFIL/BIOSAFE/THERMADYNE/EQUIVALENT</p> <p>HEPA Filter with filter module: AAF/CAMFIL/BIOSAFE/THERMADYNE/EQUIVALENT</p>	<p>EMERGENCY Doors: Fabtech/CRT/Chempharm/GMP/Nicomac/Equivalent</p> <p>Double glazing windows: Fabtech/CRT/Chempharm/GMP/ Nicomac /Equivalent</p> <p>SS-Static Pass Box: SEP Fabtech/Cleanroom Systems /Biosafe/ Iclean/Equv.</p> <p>Biosafety Cabinet: Thermo/ESCO/Biosafe/Iclean/Nuaire</p> <p>BMS: Alarton/Honeywell/Loytec/Delta/Siemens/Schnider</p> <p>GI Duct sheet: SEP TATA/ JSW/ SAIL/JINDAL/EQUIVALENT</p> <p>BIBO/HEPA SEP AAF SEP CAMFIL/BIOSAFE/THERMADYNE/ICLEAN/EQUIVALENT</p> <p>HEPA Filter with filter module: AAF/CAMFIL/BIOSAFE/THERMADYNE/ICLEAN/EQUIVALENT</p>
7	<p>Effluent Treatment Plant (ETP): According to WHO/BMBL/DBT guidelines ETP is a mandatory requirement for BSL-3</p>	<p>Amendment: It is mandatory to provide an effluent treatment plant (ETP) as part of this turnkey project as per DBT guidelines</p>

	Laboratory and is not mentioned in Tender. We suggest you to please include it. ^[SEP]	
8	Eye Wash Station, Wet Shower is not mentioned in tender which is a mandatory requirement as per WHO/BMBL/DBT guidelines. We suggest you to please include this. ^[SEP]	Amendment: It is mandatory to provide eye wash station and wet shower as part of this turnkey project as per DBT guidelines.
9	Tender page no 21, BOQ Sl No 3.1 Exhaust unit with BIBO filter is given in the tender but it is not recommended to keep the BIBO filter outside the exhaust unit separate air tight housing with BIBO filters and air tight dampers are recommend.	No amendment for this point.
10	Tender page no: 24 & 25, BOQ Sl No: 7,8,9& 10 Wall panels, ceiling panels, Doors, View panels, Pass boxes. We request you to please accept Iclean make, we have submitted all our credentials during EOI tender submission.	Iclean make items at places have been added to the approved make list as per point # 6. All other items must be provided from the approved make list only.
11	As per the drawing given there are 7 labs all are BSL3 labs or any BSL2 labs are also there. Please conform	All 7 labs are BSL3 labs. No BSL2 labs are required.
12	<ul style="list-style-type: none"> Existing facility drawing. ^[SEP] Existing AHU capacity and ducting drawing, ^[SEP] required. ^[SEP] Existing AHU room drawing. ^[SEP] Existing return air duct cannot be used. The ^[SEP] Return duct should be soldered duct without leak and VAV should be used in the return air duct for Pressure control. ^[SEP] 	Kindly email purchase@iiserpune.ac.in for the pertinent drawings.
13	As per the drawing return air raisers are shown but for this facility return air raisers not required. Supply air and exhaust air from top only.	Since this a turnkey project, the bidder can make a decision of how to design this aspect of the project to meet specifications of a BSL3 facility as per DBT guidelines.
14	Tender page no: 26 & 27, BOQ Sl No: 19 to 23	The refrigerators/freezers must have the following capacities: -80C freezer (qty: 1) > 375L; -40C freezer (qty: 1) > 540L; -40C

	<p>CO2 Incubator, Refrigerators, Centrifuge Specifications and capacity not given in the tender.</p>	<p>freezer (qty: 1) > 250L; 4C refrigerator (qty: 1) > 640L; 4C refrigerator (qty: 1) > 375L</p> <p>The CO2 incubators must have a capacity of > 180L. Qty needed for this is 2 (two).</p> <p>The centrifuge must have a capacity of > 1.5L, and must come with all necessary accessories (e.g. buckets, adaptors, rotors) capable of centrifuging 50 mL, 15 mL and 1.5 mL tubes.</p> <p>Since this is a turnkey project, other specifications may be determined by the bidder, such that they comply with the design of the BSL3 facility as per guidelines provided by DBT.</p> <p>The freezers, refrigerators, CO2 incubators and centrifuge must be supplied from the approved make list only. No other vendors or make will be allowed.</p>
15	<p>Tender page no 20, BOQ Sl No 1</p> <p>As per tender BOQ, Suitable RCC foundation and structural shed for housing DG set at GF. We We request you to provide DG capacity.</p>	<p>Suitable RCC foundation and space for a structural shed for housing the DG set will be made available on the ground floor.</p> <p>Bidder is expected to make suitable estimation of DG capacity for smooth functioning of BSL3 facility and ensure complete compliance as per DBT guidelines.</p>
16	<p>Tender page no 26, BOQ Sl No 17.</p> <p>As per tender BOQ, NSF approved Bio Safety Cabinet (BSC-4 Ft.) Type-II -A-2 including necessary exhaust system & accessories; 4 Ft. - Class II / Type B2 Biohazard Safety Cabinets 100% Exhaust - (NSF 49 & EN 12469 certified).</p> <p>As per tender you have asked for Class II B2 & Class II A2. We request you please specify how many Class II B2 required and how many Class II A2 required.</p>	<p>Only Class II B2 biosafety cabinets should be installed. We require at least 6 Class II B2 biosafety cabinets.</p> <p>No class II A2 are required.</p>

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PRE-BID CONFERENCE FOR ESTABLISHING A BIOSAFETY LEVEL 3 (BSL 3) LABORATORY AT IISER PUNE
DOMESTIC/IISER/PUR/1431/21
COMMERCIAL QUERIES AND CLARIFICATION

S. No	Query/Clarification Sought	Clarification / Amendment
1.	<p><i>Payment: -No advance payments are allowed under any circumstances. (Page no. 17, Point no. 15)</i></p> <p>A) INDIGENIOUS <i>Payment will be made directly to the suppliers by RTGS/NEFT after receipt of the goods, tested /inspected and found satisfactory with regard to quality, quantity, and specifications ordered for and after satisfying that the terms and conditions of supply have been fulfilled.</i></p> <p><i>Above being a turnkey project payment shall be made on Running bill/ Pro-rata basis as per the work execution at site. So, for smooth delivery- installation at site we hereby request you to kindly amend the Payment terms as that mentioned below:</i></p> <p>(a) <i>Eighty percent (80%) payment will be released on pro-rata basis/ running bill basis based for the materials delivered at site.</i></p> <p>(b) <i>Ten percent (10%) payment will be released against successful installation of the items on pro-rata basis or running bill basis.</i></p> <p>(c) <i>Ten Percent (10%) after testing, validation and Handover of the facility.</i></p>	<p>Amendment:</p> <p>Up to 70% payment will be released against supply of materials and against submission of the invoice that will be checked and approved by the authorized executives from IISER Pune.</p> <p>Remaining 30% (or more) payment will be released only after successful completion of this turnkey project and against submission of all necessary obligations as stated in tender documents.</p>

2.	<p>Estimated Cost of Tender (Rs.): 1,00,00,000/- (Page no. 1)</p> <p><i>The Estimated cost of the Tender is Rs. 1,00,00,000/- which is too low for Establishing BSL-3 Lab as per WHO/BMBL/DBT guidelines. We suggest you to please review it.</i></p>	<p>There is no amendment to this point.</p> <p>The estimated cost of this tender remains at Rs. 1,00,00,000 (Rs. 1 crore).</p>
3.	<p><i>Audited Balance Sheet and Average Annual Turnover for last three financial years is not mentioned in the tender document. Please clarify.</i> [SEP]</p>	NA
4.	<p><i>ESIC & EPF registration: Above being a high value turnkey project bidder should have a valid ESIC and EPF registration. Please consider it.</i> [SEP]</p>	NA