

Prebid-Representations of Procurement of Lab Furniture to New AIIMS getting established under PMSSY AIIMS Ph-IV &V

HITES/PCD/AIIMS-IV/21/LabFur/19-20 dated 15.02.2020

Tender Specification	Representation	Recommendation
<p>2. Bidder must have Experience of having successfully completed Laboratory Furniture/Similar works in the last 5 years. The works completed up to previous day of last date of submission of tenders shall also be considered. A Three Laboratory Furniture /Similar works completed each costing not less than the amount equal to Rs 1.75 Cr. Or Two Laboratory Furniture/Similar works completed each costing not less than the amount equal to Rs. 2.60 Cr. Or One Laboratory Furniture /Similar works completed of costing not less than the amount equal to Rs. 3.50 Cr. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last date of submission of tenders.</p>	<p>Request to change the qualification from 5 Years to Last 10 Years.</p>	<p>Bidder must have Experience of having successfully completed Laboratory Furniture/Similar works in the last 7 years..</p>
<p>6. The bidder firm should be a registered member of The Scientific Equipmnet and Furniture Assosiation of India. Further, the bidder should have at least one of the team menvers as key professional authorized by ASHRAE.</p>	<p>6. The bidder firm should be a registered member of The Scientific Equipmnet and Furniture Assosiation of India.</p>	<p>May be accepted as ASHRAE is for Heating, Refrigerating and Air-Conditioning Engineers is an American professional association. Therefore ASHRAE may be deleted</p>
<p>7. Bidder must have at least one Manpower exclusively for the following:a) A Team leader with minimum 15 years of Experiencein Laboratory Furniture b) An Architect (Planning and Designing) with minimum 8 years of Experience in Planning and Designing c) An Electrical Engineer with minimum 8 years of Experience in Electrical field d) A Mechanical Services and Installations design Engineer with minimum 8 years of Experience All the bidders are expected to have at least one Lead/ Team Leader who will be responsible forthe overall designing and development of the project. This Lead/Team Leader will have minimum experience of 15 years and shall either be a partner/Director or a full time employee of the bidder. The bidder will submit the CV of each of the above Technical Personnel. Each CV shall be signed inbue ink by the key personnel and countersigned by the authorized officials of the Firm. Photocopyor unsigned /non-countersigned CVs shall be rejected. The bidder will also certify that theprofessional is a regular employee on his rolls and submit TDS Form 16 of each of such employee. Each CV shall contain the proof of age and qualification as well as an undertaking from the keypersonnel about his availability for the duration of the project. The key personnel proposed shouldnet have attained the age of 70 years at the time of submitting the proposal and should have been the regular employments for at least 6 months before the date of submission of bids.Even though a Bidder may satisfy the above requirments</p>	<p>Should give the organisation chart showcasing the overall team which is lead by Team Leader having suitable experince in designing and executing the overall project,</p>	<p>May be deleted</p>
<p>The price bid format in excel</p>	<p>The price bid format in excel is not available on portal https://etenders.gov.in/e procure/app</p>	<p>The format will be uploaded along wth Techno-commercial Amendment</p>
<p>Techno-Commercial Bid in excel format provided with the tender enquiry</p>	<p>Please provide excel format so as to submit the same in technical bid.</p>	<p>The format will be uploaded along wth Techno-commercial Amendment</p>

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<p>Earnest Money Deposit (EMD) The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender.</p>	<p>We are registered with MSME as well as NSIC. Hence, we are exempted from payment of EMD. Since we are manufacturer of laboratory furniture and fume hoods, we would require to outsource the items as mentioned in Sr. No. 7, 8, 9 & 10 in BOQ. We request you to kindly confirm whether we can avail the EMD exemption benefit in this case or we need to submit the EMD with our technical bid. Our MSME and NSIC certificates are enclosed with this for your further review.</p>	<p>ALL firms are exempted to submit the EMD as per OM issued by Ministry of finance dated 12.11.2020</p>
<p>Bidder/Manufacturer must submit one of the certification for Design, Development, manufacturing, Procurement and Supply for instructional Furniture: i) ISO-9001(2015) or ii) ISO- 14001 (2015) or iii) OHSAS-18001(2007)</p>	<p>HITES has mentioned one of the certificate for Design, development, Manufacturing, procurement & supply and mentioned ISO 9001 (2015); ISO 14001(2015) & OHSAS 18001 (2007). Somehow the understanding is not correct. The actual logic behind is :</p> <p>i) ISO 9001 (2015) The organization who is engaging in design, manufacturing, marketing and rendering after sales service , such organization is awarded ISO 9001 of 2015 edition. So it is a quality management system.</p> <p>ii) ISO 14001 (2015) is the certification of Environment Management. It indicates the usage of raw material and method adopted in manufacturing process should not disturb the environment or disturb the ecological balance of the environment. Our usage of weldless construction is one of the prominent example. Less welding means less pollution.</p> <p>iii) OHSAS 18001 is the certification of Occupational Health & Safety Management.</p> <p>Therefore the above 3 certificates should be mandatory for the bidders and it should not be optional three certificates are indicating three different areas or aspects.</p>	<p>May be accepted and asked followig certification i) ISO-9001(2015) ii) ISO- 14001 (2015) and iii) OHSAS-18001(2007) or ISO 45001:2018</p>

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Should be BIFMA certified and SEFA 8M	<p>As per our knowledge, the BIFMA HCF 8.1 third party test certification for laboratory furniture should be submitted along with SEFA 8M as it is essential during the current pandemic time.</p> <p>Basically BIFMA HCF 8.1 standard stands for Healthcare Furniture Design - Guidelines for Cleanability. A detailed guideline for the same is enclosed with this for your further review.</p> <p>We strongly believe that this must be complied by every bidders in view of safety of all lab users, students and visitors.</p>	No change
Self-Attested copies of quality certificates i.e. US FDA /CE/ BIS Certificate issued by competent authority, if applicable.	<p>Quality certificates like US FDA /CE/BIS – all these are not applicable in Laboratory Furniture.</p> <p>Hence kindly remove this clause from TED.</p>	No change as it is written as if applicable
<p>Delivery Period: Sample should be sent for approval within 25 days from the date of issuance of Notification of Award, before resorting to bulk manufacturing / supplies.</p>	<p>Kindly confirm that the sample should be sent for approval within 25 days from the date of approved G. A. Drawings and Colour confirmation instead of issuance of Notification of Award.</p> <p>Please be informed that the production of sample can be started only after receiving G. A. Drawings approval and Colour confirmation.</p> <p>There are three different sites in this project where the material to be supplied and installed. Kindly confirm at which location we should send sample for approval.</p>	<p>No change All details will be mentioned in the Notification of Award</p>
<p>Section – IX Bidder must have Experience of having successfully completed Laboratory Furniture/Similar works in the last 5 years.</p>	<p>HITES is asking for overall experience of 5 years as a manufacturer in Section IX, whereas under clause 7, HITES has indicated the Team leader of 15 years experience ; Architect of 8 years of experience ; Electrical engineer of 8 years experience and Mechanical Engineer of 8 years experience are put deliberately to eliminate the competitive bidders which otherwise has got no relevance with the requirement of the Tender. Please re-look into the said clause.</p>	Manpower requirement has already been deleted at SI no 3 above

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<p>Turnover: Average annual financial turnover on construction works should be at least Rs. 1.30 Cr. during the immediate last three consecutive financial year ending 31st March, 2019.</p>	<p>HITES has indicated single order of Rs.3.50 Crs; two orders of Rs. 2.60 Crs and Three orders of Rs.1.75Crs. As per CVC guide lines one of 80% of Project cost ; Two of 60% of Project cost and Three of 40% of Project cost. If so then the project cost should be around Rs.4.5 Crs. In such circumstances how the Average Turnover should be Rs.1.30 Cr. during last 3 years. Please review the clauses and it cannot be allowed for the manipulation by the bidders.</p>	<p>The estimated cost of Tender has been changed to 22.60 Cr. Accordingly QC and Turnover may be amend as below: 3 Similar work completed each costing not less than Rs 9.04 Cr (40% of the estimated cost) or 2 Similar Work completed each costing not less than Rs 13.56 Cr (60% of the estimated cost) or 1 Similar Work completed each costing not less than Rs.18.08 Cr (80% of the estimated cost) Turnover: Average annual financial turnover on construction works should be at least Rs. 6.78 Cr.(30% of the estimated cost) during the immediate last three consecutive financial year ending 31st March, 2019</p>
<p>List of Approved Makes</p>	<p>As discussed in Pre-Bid conference regarding list of approved makes, we are enclosing a separate sheet of list of approved makes as our suggestion. These all makes are most commonly used and preferred by every manufacturers hence the monopoly situation can be avoided.</p>	<p>No change</p>
	<p>We would like to request HITES team to visit the production facility of all participants for inspection of production process, powder coating facility, testing facility, quality management system and other technicalities. This visit can be done during evaluation stage of technical capability of bidders.</p>	<p>HITES may vist to the participant Factory for Inspection</p>
	<p>You have not included the point of Payment terms , Delivery period and Installation schedule</p>	<p>Paymnt term is mentioned at GCC clause 21, Delivery and installation schedule is mentioned at Section VI of Tender Enquiry Document</p>
	<p>Is the LD Clause shall be applicable on balance material only. Not on full material cost as per tender BOQ?</p>	<p>LD will be applicable as per GCC clause no 23</p>
	<p>In tender documents Electrical Switches but nowhere mentioned about the electrical wires. Please clarify that internal wiring on these electrical switches are in vendor scope?</p>	<p>Yes internal wire is in vendor scope</p>
	<p>Is there any concessional GST or IGST applicable, if applicable then HLL or Purchaser will provide the GST exemption certificate, please clarify.</p>	<p>No concession is applicable</p>

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	Is it possible that HLL can accept rates of recently awarded order for Laboratory Furniture for AIIMS – Hyderabad and provide the repeat order on the basis of awarded order for this requirement?	No
	In tender you have asked for in-house architect with engineers etc. what is the main objective on this. Lab furniture manufacturing is not a interior job, it is a scientific equipment. It needs more functional and engineering feature which is not a architect job. Architect can be design a building but if it is a lab he should know engineering aspect of that, what standards people follow, what purpose the lab was made etc. Still AIIMS need an architect we can hire any qualified architect.	Manpower requirement may be deleted from the tender
	Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting structures/hardware's of reputed brand. This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site. 1. Please confirm the place of storage and its distance from the installation site	Bidder may visit the site before quoting for necessary information
	Please clarify the sample / mock up approval required or not.	Sample approval is required
	Warranty period asked is 60 months, this seems to be quite high. We request you to kindly reduce it to 3 years with actual details of what all parts/ components will be covered under warranty.	No change
	The completion time is bifurcated into 2 months for delivery and 1 month for installation. We would request you to kindly club this together as 3 months for delivery and installation as delivery of lab furniture and installation goes parallely	May be accepted and delivery and installation may be clubed together as 3 months for delivery and installation.
Scope of Work Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings, all laboratory sinks, bottle traps, drain troughs etc. (Specified in other specs also)	In tender documents Electrical Switches but nowhere mentioned about the electrical wires. Please clarify that internal wiring on these electrical switches are in vendor scope?	Added Para: all internal Electrical wiring & fittings ; Plumbing & Drainage; GasBurners, Piping and Manifold within the lab furniture and lab area in order to make the lab fully functional to be undertaken by supplier.
Scope of Work Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings, all laboratory sinks, bottle traps, drain troughs etc.	Battery limit for Plumbing, Drainage, Electrical & GDS work.: Kindly provide us battery limit with location for laboratory furniture.	

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<p>Scope of Work Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting structures/hardware's of reputed brand. This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site.</p>	<p>Scope of supply: Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting structures/hardware's of reputed brand. This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site. 1. Please confirm the place of storage and its distance from the installation site. Who will have responsibility of watch and ward of the F7material delivered at Storage location until it's being shifted to respective site. We suggest, instead of keeping material at centralised location. it should be directly shipped to place where it needs to be installed.</p>	<p>Electric mains supply , water supply shall be provided to one point in the vicinity of the lab from which the supplier has to draw supply lines to make the lab fully functional. ELECTRICAL WORK : Mains DB: Supply & fixing of MCB DB complete with tinned copper bus bar, neutral bus bar, earth bar, neutral link earth bar, din bar detachable gland plates etc for the Modular Lab. Earthing: Copper earthing wire 14G. PLUMBING & DRAINAGE 1 Providing and fixing of 1/2" CPVC branch water lines lines complete with fittings. 2 Providing and fixing of 1/2" ball valve for isolation purpose at the branch entry point of water line from the mains line provided by the hospital near the lab. 3 Providing and fixing of PVC High pressure braided pipe complete with fittings and connection to the water tap DRAIN LINES: Providing and fixing of 2.5" HDPE drain lines lines complete with fittings and connection to the existing drain header already available in the labs.</p>
<p>Scope of Work Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings, all laboratory sinks, bottle traps, drain troughs etc.</p>	<p>Scope of supply: Supply & Installation of all utility service outlets and accessory fittings, electrical Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings, all laboratory sinks, bottle traps, drain troughs etc 1. Please clarify the scope of utility services like termination of cable on sockets & Sink Drain pipe. Do we need to consider the piping till nearest point or 1 Mtr Flexible piping from sink drain outlet. If it needs to be left till nearest drain point, what will be the length of drain pipe and its MOC.</p>	<p>1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Storage Units to be of the following types: ☐ Floor based Welded cabinets with metal skirting type ☐ Deleted</p>
<p>1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Storage Units to be of the following types: ☐ Floor based Welded cabinets with metal skirting type ☐ Castor-based Mobile Type</p>	<p>A. Floor based welded cabinets with metal skirting type. Please clarify ? B. Castor – based mobile type – but in BOQ nowhere mentioned about the Castor based mobile type. Please clarify?</p>	<p>1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Storage Units to be of the following types: ☐ Floor based Welded cabinets with metal skirting type ☐ Deleted</p>
<p>Storage Units to be of the following types: ☐ Floor based Welded cabinets with metal skirting type ☐ Castor-based Mobile Type ☐ Dimensions: W=300/450/580/600/750/900 mm, D = 530mm, H = 875/725 mm</p>	<p>On Page number 45 size and specifications of under-storage is given where-in depth of under-storage is 750mm & height is 900mm, which is actually not possible as this seems to be overall size of table. Standard storage should be of little lower size so that accessories can be incorporated in table.</p>	<p>The specification pointed by the vendor is in original tender pg 45, not the amended specifications.</p>
	<p>Page no -3, You have mentioned floor based welded cabinet with metal skirting type. & Castor based mobile type. On page no 10- you have given indicative photo of furniture which is C- Frame Based with suspended cabinet. Please clear the type of furniture is needed.</p>	

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<p>1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Indicative Drawings (at page 10)</p>	<p>As per attached pictures in the tender documents is “C “ frame design and but in tender documents plinth mounted SEFA 8 M standard furniture asked, please clarify – whether you need furniture on C frame or on plinth or floor mounted as per technical specifications.</p> <p>Lab furniture design: Kindly clarify the lab furniture design (Floor Based / C Frame) As the Lab Furniture is required in Floor based system. However the Storage cabinets are mentioned with castor wheel as well as floor based welded cabinets. Please specify the design of cabinet whether we require to submit the cabinet floor based type or C frame with castor wheel.</p> <p>Floor Based Welded Cabinet: 1. Please confirm the type of cabinet - Suspended / Floor based</p> <p>In the Tender Document tentative image is attached of required product which is a C- frame structure, however in technical specifications detail of C Frame is not mentioned. Kindly confirm whether the required product is C Frame or plinth base.</p>	<p>The photo is only indicative. The lab shall be constructed as per the specifications refer para 1.0 : Floor based welded cabinets with metal skirting type for technical specifications , refer BOQ for quantity of items to be quoted.</p>
<p>1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Doors should be assembled with SS-304 hinge assembly.</p>	<p>Page no – 3, Point no 4 you have mentioned :- Doors should be assembled with SS-304 hinge assembly. & In Page no -4, Point no</p>	<p>Page no 3; Para 1.0 (point 4) : 1.0 : FLOOR BASED WELDED CABINET WITH METAL SKIRTING</p>
<p>Under Bench Storage Cabinets: 10. Hinges shall be spring loaded, coated.</p>	<p>10 you have mentioned:- Hinges shall be spring loaded, coated. Please let us know which type of hinges required.</p>	<p>Doors should be assembled with hinge</p>
<p>Pg 4 : Para: Hinge: SS Hinge Screw: SS 304 Pg 8 : Other Specifications: 3. The shutters are fitted with Nickel-chrome plated self closing hinges which are further coated with cathodic electro-deposition (CED) paint to improve the resistance to corrosion. Pg 8 - Shutters and Drawer fronts: Shutters:3. The shutters are fitted with Nickel-chrome plated self-closing hinges which are further coated by Cathode Electro-deposition (CED) process to improve the corrosion resistance.</p>	<p>Hinges shall be spring loaded but as per SEFA Door, hinges should be of SS304 grade.(Hinges shall be made of Type SS 304 stainless steel, shall be the institutional type with knuckle bullet-type barrel fixed on door). Please clarify?</p> <p>Shutters and Drawer fronts: Page 4 of 31 & Page 8 of 31: Please confirm the MOC of Hinges (Hinge: SS Hinge Screw: SS 304 / Nickel-chrome plated self-closing hinges). We will provide High Grade SS 304 Butt Hinges along with Positive Catch arrangement which increase the Load carrying capacity, stability and the door opening & closing cycle as per SEFA 8M standard.</p>	<p>Pg 4 : Para: Hinge: Spring loaded SS 304, Hinge Screw: SS 304 Pg 8 : Other Specifications: 3. The shutters are fitted with spring loaded SS 304 self-closing hinges. Pg 8 - Shutters and Drawer fronts: Shutters:3. The shutters are fitted with spring loaded SS 304 self-closing hinges. Hinges shall be of Hettich or Haffle make or equivalent.</p>

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<p>Pg. 4 -1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Para 1.0 (point 13) - Finish: Powder coating pure epoxy, thickness 40-50 microns</p> <p>Pg. 4 -Under Bench Storage Cabinets: 2. The complete M.S. material of cabinet shall be pretreated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance.</p> <p>Pg. 4 -2.0 COVER / FILLER PANELS All side cover panels and back panels, filler panels should be made from CRCA MS panels of 1.0mm thickness with pure epoxy powder coating</p> <p>Pg. 5 -3.0 FIXED TYPE REAGENT SHELVES Fixed-Type reagent shelves should be provided. It should be complete modular design consisting of 2 stage horizontal storage shelves made of CRCA MS with pure epoxy powder coating and having cutouts for electrical switches and sockets.</p> <p>Pg. 5 -Powder Coating: 1. Shall be at least 35-50 microns with pure epoxy powder coated, which passes the test of Salt Spray for 1000 hours and having the Scratch Hardness of 3Kgs.</p> <p>Pg.6 -Water Faucet: 1. Sink unit shall have Single way (1 swan neck) 360° turn type water faucets made up of Brass with epoxy powder coating.</p> <p>Pg 6 -5.0 Electrical Fittings and accessories: 6. The complete M.S. material of cabinet should be pre-treated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance</p> <p>Pg 7 - Service Duct: 2. The complete M.S. material of cabinet should be pretreated (degreased, Zinc phosphated) and epoxy powder coated for better corrosion resistance.</p> <p>Pg 7 Surface Treatment: 1. The complete M.S. material of cabinet is pretreated (degreased, Zinc Phosphated) and</p>	<p>In tender specifications, powder coating is somewhere mentioned as "Epoxy Powder coating" and somewhere it is mentioned as "Pure Epoxy Powder Coating". Since Pure Epoxy Powder coating is the better version, we would request you to mention "Pure Epoxy Coating" to avoid any confusion.</p>	<p>no change considered</p>

Tender Specification	Representation	Recommendation
<p>Pg 3 - Scope of Work: para 1 - Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting structures/hardware's of reputed brand. This includes delivery, unloading the consignment and transporting it from the place of storage to the installation site.</p> <p>Pg 4- Under Bench Storage Cabinets: 4. Granite /Reagent Support Brackets should be provided to serve the purpose of supporting the granite and carrying the service lines.</p> <p>Pg -5: 3.0 FIXED TYPE REAGENT SHELVES Fixed-Type reagent shelves should be provided. It should be complete modular design consisting of 2 stage horizontal storage shelves made of CRCA MS with pure epoxy powder coating and having cutouts for electrical switches and sockets. It should have provision for placing Granite pieces (as per requirement in BOQ)</p> <p>Pg-7 : 6.0 Work Top: 1. Worktop shall be of 20mm(+/-1mm) thick high quality Pre-Polished granite in jet black color with the edges having round profiles of 10 mm. 2. The overhang of granite should be 30 mm at front side of under storage cabinets.</p> <p>Pg 28- BOQ -3.00 FIXED TYPE REAGENT SHELVES Fixed-Type reagent shelves should be provided. It should be complete modular design consisting of 2 stage horizontal storage shelves made of CRCA MS with pure epoxy powder coating and having cutouts for electrical switches and sockets. It should have provision for placing Granite pieces (as per requirement in BOQ)</p> <p>Pg-30: 6.00 Providing and supply of Granite Work Top : It shall be 20mm(+/-1mm) thick Jet Black Granite worktop</p>	<p>Can we supply wire reinforced glass as a rack platform in Reagent Rack instead of Granite as glass is lighter in weight with Chemical Resistance Quality. It is 8 mm thick toughened glass so chances of breakage during routine works are very less.</p>	<p>no change considered</p>

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<p>Pg 3: 1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING MOC: MSCRCA: IS – 513 (1994) Pg-4: Under Bench Storage Cabinets: 3. Cabinet frame shall be a combination of 1.2 mm horizontal stiffeners and 0.8 mm vertical panel of CRCA MS sheet. Metal Shutters and drawers shall be made of 0.8mm thick CRCA MS sheet with profile insert to provide rigidity to the doors. 5. Support Brackets to be provided in 2 mm CRCA MS sheet. 6. Unit Shelves in CRCA shall have a load carrying capacity of 40 kg. Pg-5: 2.0 COVER / FILLER PANELS All side cover panels and back panels, filler panels should be made from CRCA MS panels of 1.0mm thickness with pure epoxy powder coating Pg-5: 3.0 FIXED TYPE REAGENT SHELVES Fixed-Type reagent shelves should be provided. It should be complete modular design consisting of 2 stage horizontal storage shelves made of CRCA MS with pure epoxy powder coating and having cutouts for electrical switches and sockets. It should have provision for placing Granite pieces (as per requirement in BOQ) Pg-5: Reagent Shelf: The end vertical panels shall be 0.9mm & horizontal shelves of 0.8mm thick MS CRCA. Pg-5: Double Sided 2-tier Reagent Shelf: 2. The end vertical panels should be 0.9mm & horizontal shelves of 0.8mm thick MS CRCA. Pg 6 - 5.0 Electrical Fittings and accessories: 5. Electrical trunking is made up of 0.8mm thick CRCA MS Sheet or SS 304 (as per schedule of quantities) Pg 7 : Service Duct: 1. Service duct should be made up of 0.8mm thick CRCA MS Sheet. Pg 7 : RLB: Rectangular Laboratory Bench ; PLB: Peninsular Material: 1. The cabinet and steel shutters are made up of 0.8 mm thick CRCA M.S. sheet. Pg 27: BOQ: 2.00 Panels: All side cover panels and back panels, filler panels should be made from CRCA MS</p>	<p>Technical Specification, Section VII, Under bench Storage Cabinets, Overhead Cabinets, Reagent Shelves, Service Duct, RLB, PLB etc.</p> <p>We recommend for GI instead of CRCA as it has got long durability and is less prone to corrosion as compared with CRCA. We are hereby enclosing a comparison sheet of the same for your kind reference. We request you to add the MOC as Galvanized Iron with pure epoxy powder coated. Please confirm the same.</p>	<p>no change considered</p>
<p>Pg 3: 1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Welded cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. Pg 4: WELDED OVER-HEAD STORAGE CABINETS Pg 7: Construction: 1. Framed, welded construction for durability & strength. Pg 9: Testing Clause: Welded Cabinets should be tested for SEFA 8M from a SEFA approved lab Pg 27: BOQ: 1 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Pg 27: 1.8 - 2 SHUTTER WELDED-750W-875H Pg 27 : 1.9 2 SHUTTER 1 DRAWER WELDED-900W-875H 1.10 2 SHUTTER 1 DRAWER WELDED-750W-875H 1.11 2 SHUTTER 1 DRAWER WELDED-600W-875H 1.12 1 SHUTTER WELDED445W-875H 1.13 1 SHUTTER WELDED LEFT-445W-875H</p>	<p>Technical Specification, Section VII, Under bench Storage Cabinets, Overhead Cabinets We request you to consider cabinet in weld less construction instead of Welded construction. In the corner of any welded item, the finishing is never perfect and the hairline gaps are evident. These gaps are enough to spread the corrosion all over the furniture during the passage of time. Please confirm the same.</p>	<p>no change considered</p>
<p>Single Sided 2-tier Reagent Shelf: It shall be a single sided, 2-tier system with depth of each shelf being 300mm.</p>	<p>width of Single sided reagent shelf is 300mm, however same should be 150mm. Kindly check & Rectify.</p>	<p>Single Sided 2-tier Reagent Shelf: It shall be a single sided, 2-tier system with depth of each shelf being 150mm.</p>
<p>3.0 FIXED TYPE REAGENT SHELVES</p>	<p>Fixed type Reagent Shelves: 1. Please confirm the overall height of the upright.</p>	<p>The lab shall be constructed as per the tender specifications</p>

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<p>Double Sided 2-tier Reagent Shelf:</p> <p>1. It should be a double sided, 2-tier system with depth of each shelf being 300mm. 2. The end vertical panels should be 0.9mm & horizontal shelves of 0.8mm thick MS CRCA. 3. The end vertical panels should be supported on PP Base support pieces of 300L x 37 W x 15mmH.</p>	<p>Double sided 2 - tier reagent rack:</p> <p>1. Please confirm the overall width of the reagent rack and total height of reagent shelf.</p>	<p>The lab shall be constructed as per the tender specifications</p>
<p>Service Duct:</p>	<p>Work Top (Service Duct) :</p> <p>1. Service duct is not part of the BOQ. Please clarify the requirement 2. Also, please clarify how the electrical and gas tubing are planned to be dropped for tables</p>	<p>Added Para: BOQ: Para: 12 - Service duct - UOM- (R.Meters) Qty for each site - 50 Total Estimated Qty for 3 site - 150</p>
<p>Other Specifications:</p> <p>4. The drawer trays are mounted on Delryn roller bearing slides, which are made up of 1.6 mm thick M.S. sheet and epoxy powder coated. A pair of slide can carry a UDL of 15 Kgs.</p>	<p>Other specifications pt. no. 4</p> <p>The drawer trays are mounted on Delryn roller bearing slides, which are made up of 1.6 mm thick M.S. sheet and epoxy powder coated. A pair of slide can carry a UDL of 15 Kgs. 1. Our drawers will mount on slider with soft closure as per SEFA 8M. Roller bearing slides are outdated technology and will not pass SEFA 8M.</p>	<p>The lab shall be constructed as per the tender specifications</p>
<p>Drawers:</p> <p>2. Built-in anti rebound mechanism prevents drawer from coming out once it is pushed inside the cabinet. These slides are tested as per SEFA and BIFMA standards.</p>	<p>In Tender document, BIFMA certification is asked we would like to inform you that BIFMA stands for Business and Institution Furniture Associations and it is applicable to office furniture only nowhere in BIFMA mentioned and support the required material as per tender documents i.e Laboratory Furniture. There are some companies who deals or manufacturing both Office and Laboratory furniture they sometimes mislead the purchaser by saying that they having BIFMA certification which is applicable for their Office and Institutional Furniture not for the Laboratory Furniture. Apart from this</p>	<p>Drawers:</p> <p>2. Built-in anti rebound mechanism prevents drawer from coming out once it is pushed inside the cabinet. These slides are tested as per SEFA standards.</p>
<p>Testing Clause:</p> <p>ii) Should be BIFMA certified and SEFA 8M</p>	<p>BIFMA Is not a regulatory standard for laboratory furniture, only SEFA standard are applicable for Laboratory furniture. Hence requesting you not consider BIFMA Standard for lab furniture</p>	<p>Testing Clause:</p> <p>para ii) Should be SEFA 8M certified.</p>
<p>Product Certifications: Cabinets must be tested as per SEFA 8M standard from a SEFA approved Lab and also tested as per EN 14727 from a third party testing agency</p> <p>Testing Clause: Welded Cabinets should be tested for SEFA 8M from a SEFA approved lab and EN-14727 from a third party testing agency for the tests whose details are mentioned in Annexure „A“ and the name of model offered should be listed in SEFA’s website. The Bidder to ensure that the supplies are made out of the approved & tested standards of the SEFA 8M.</p>	<p>Product Certification: SEFA 8M and EN-14727 We would like to inform that EN-14727 is an European standard which is necessary when the supply is being made to any European country. In India, SEFA 8M (USA based guideline) is most acceptable standard which is preferred by most of the institutions and healthcare industry. However most of the lab furniture manufacturers follow SEFA 8M and posses its approval to manufacture the products as per SEFA 8M with third party testing certifications. Kindly confirm that bidder should submit SEFA 8M certifications instead of EN 14727.</p>	<p>no change considered</p>

Tender Specification	Representation	Recommendation
<p>Gas Valves & Manifold (unit price to be quoted separately) All gas valves for regular lab gases should be made of powder-coated brass and should have standard needle valve and push and turn type arrangement for all burning gases to be supplied. Bidder should supply & install gas pipeline in all the modules and should install 2x2 gas manifold for each lab.:</p>	<p>1. Please specify the gas piping size, type of gas valves (flammable / nonflammable), type of manifolds and there makes. 2. Please confirm on the type of gas being used so that we can plan there connection pieces. If its flammable and toxic then we need</p>	<p>to be read as: pg 8 ; para : Gas Valves & Manifold (unit price to be quoted separately) GAS MANIFOLD: 2 way manifolds in Stainless Steel 304 grade with 1 + 1 gauge gas Stainless Steel regulators with gas cylinders adopter and flexible pigtails having quick change over type etc., complete in all respect. Semi- Autochange over system with differential type regulator for lpg and one separate regulator for main line GAS PIPING : Supplying & Laying, testing and commissioning of Seamless Stainless Steel 304 Quality piping 1/2" dia., pipe inside the respective laboratory, which includes all type fitting turning points like Elbows; coupling; unions; nipples etc. including Painting in Colour code as per Gas. Supply, Installation, testing and commissioning of Stainless Steel Needle Valve, for 1/2" dia. Gas line. Supply, Installation, testing and commissioning of Flame arrester, for 1/2" dia. Gas line. GAS BURNERS : Supplying & fixing of heavy duty type gas Burner in Stainless Steel 304 with N.V. & having fine flow control. Providing heavy duty & industrial grade Rubber tubing of having minimum 1 meter length, with Stainless Steel clamps from the respective gas taps to the respective Burners</p>
<p>BOQ 8. Gas Piping - R.Mtrs. - 100 9. Gas Outlets Nos. 20 10. Gas Manifold Nos. 3</p>	<p>In Amendment 1, its mentioned that Gas piping, outlet and manifold is removed and in the same BOQ all items are mentioned. Please clarify.</p> <p>4. Gas piping, Outlets & manifold are given single line item in BOQ for three sites. Required detail BOQ- Drawing with make list and type of Gases needed.</p> <p>Gas Piping: Kindly provide the technical specification of gas piping (I.e. MOC, Diameter etc.) Up to which point it will be in bidders' scope. Gas Outlets: Kindly provide the technical specification of Gas Outlets Gas Manifold: Kindly provide the technical specification of Gas Manifold</p>	<p>These items Gas piping, outlet and manifold are not removed from the scope of work. The header of the tender was amended for better clarity. The BOQ within the amendment still includes Gas piping, outlet and manifold.</p> <p>The drawing of the sites are included for ready reference for bidders. The gas piping to be done as per the site plan & lab design. The payment will be based on the actual measurement and unit rate.</p> <p>Clarified as above (Para : Gas Valves & Manifold (unit price to be quoted separately))</p>
<p>BOQ 7. Lab Stool</p>	<p>Lab Stool: Kindly provide the technical specification of lab stool</p>	<p>Lab Stool : 360Degree revolving , height adjustable, stool with</p>

Tender Specification	Representation	Recommendation
7. Lab Stool	Please confirm the specifications of the lab stool	high back for lumbar support, stainless steel
BOQ 11. Miscellaneous:	Miscellaneous: Kindly confirm the scope of the same.	PLUMBING & DRAINAGE 1 Providing and fixing of 1/2" CPVC branch water lines complete with fittings. 2 Providing and fixing of 1/2" ball valve for isolation purpose at the branch entry point of water line from the mains line provided by the hospital near the lab. 3 Providing and fixing of PVC High pressure braided pipe complete with fittings and connection to the water tap DRAIN LINES: Providing and fixing of 2.5" HDPE drain lines complete with fittings and connection to the existing drain header already available in the labs.
NA	3. Make list for Faucets, Utility, Electrical sockets and other items required.	ADDED PARA : LIST OF APPROVED MAKES : FAUCETS : Hindware/ Jaquar/Marc/Kingston/Soma ELECTRICAL SOCKETS: (Electrical switch sockets shall be of 5/15 amps, Splash Proof IP-55 grade only. Internal wiring in each table in vendor scope.) - Crabtree/MK/Mosaic/North West
NA	We presume that we had to follow, Tender specification since the contraction is differ from the attached Photo released in the tender documents	The photo is only indicative. The lab shall be constructed as per the specifications
NA	Is it possible to adopt up to +/- 10% variation in the dimensions of the required laboratory furniture so that vendor can quote its SEFA approved standard furniture without going to special construction, which may increase the cost of the project. Please clarify ?	Added para: up to +/- 10% variation in the dimensions of the Laboratory furniture shall be accepted
1.0 FLOOR BASED WELDED CABINET WITH METAL SKIRTING Dimensions: W=300/450/580/600/750/900 mm, D = 530mm, H = 875/725 mm	Floor Based Welded Cabinet: Dimensions: W=300/450/580/600/750/900 mm, D = 530mm, H = 875/725 mm 1. We request for tolerance of 10% on sizes of cabinet and PP Sink also.	
NA	Please specify the makes of service fittings, electrical fixtures, gas systems Hinges mentioned in tender will not qualify for SEFA 8M. We propose it be be changed to Knuckle type for better load bearing capacity on door. We propose to provide make list which will be common for all to have fair comparison.	no change considered

Tender Specification	Representation	Recommendation
NA	<p>We wish to suggest the following makes for the critical components in the tender.</p> <p>Sr No Item Recommended Make</p> <p>1 Work Surface - Benches 18/19mm Thick Jet Black Granite, India</p> <p>2 PP Sink Premier Polymer/ Equivalent</p> <p>3 Water Tap Water saver/ Broen</p> <p>4 Bench Mounted Valves Water saver/ Broen</p> <p>5 Gas Piping PCI/SG-LOK/EX-LOK</p> <p>6 Gas Outlets Water saver/ Broen</p> <p>7 Gas Manifold GCE Druva / Rotarex / TESCOM</p> <p>8 Electrical Sockets Northwest/ MK/ Legrand</p>	As per amendments described above
NA	<p>Kindly publish the approved Make List of items in tender to maintain project quality. List is enclosed for your quick reference.</p> <p>1 STEEL SECTIONS - TATA/SAIL /JINDAL</p> <p>2 LABORATORY FITTINGS /UTILITY SERVICE FIXTURES - BROEN / WATERSAVER</p> <p>3 EYEWASH/ SAFETY SHOWERS - BROEN / WATERSAVER</p> <p>4 LABORATORY SINKS/DRIP CUPS - PREMIERE/BROEN</p> <p>5 HINGES - HETTICH/ HAFFLE/OWN MAKE(APPROVED BY ENGINEER INCHARGE)</p> <p>6 DRAWER GLIDES - HETTICH/ HAFFLE/OWN MAKE(APPROVED BY ENGINEER INCHARGE)</p> <p>7 WORK TOP(AS SPECIFIED IN INDIVIDUAL ROOMS/TABLES):</p> <p>7A GANITE - JET BLACK GRANITE 19 +/-1mm thick</p> <p>7B PHENOLIC RESIN TOP - TRESPA/ DURCON/ FUNDERMAX</p> <p>8 GLASS - SAINT GOBAIN/ MODI/ ASAHI INDIA</p> <p>9 SWITCH SOCKETS - NORTHWEST / ANCHOR / ROMA</p> <p>10 DATA/ VOICE POINTS - NORTHWEST / ANCHOR / ROMA</p>	As per amendments described above