



HLL INFRA TECH SERVICES LIMITED
(Subsidiary of HLL Lifecare Ltd., a Govt. of India Enterprise)
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HITES/BME/PRE-TENDER/07/Modular Lab/2023-24

Date: 24.05.2023

NOTICE OF INVITATION FOR PRE-TENDER MEETING

Biomedical Engineering Division of HLL INFRA TECH SERVICES LIMITED (a fully owned subsidiary of HLL Lifecare Limited, a Govt. of India Enterprise) is in the process of finalising technical specifications for various Medical/Laboratory/Scientific equipment. In this context, HITES is organising an ONLINE PRE-TENDER MEETING with prospective vendors for the following item to acquire further insight to make technical specification in general without compromising the quality:

SN	Item Name	Department
1	Modular Lab Furniture	Lab Furniture

All the interested prospective vendors are invited to participate in the online pretender meeting and requested to please send your suggestions with respect to the specifications of above items (**Enclosed in Annexure I_Technical Specification**) to the below mentioned e-mail IDs on or before 30.05.2023, 11:00 AM. The details of the Pre-Tender meeting are detailed below:

Date & time of the Pre-Tender meeting	31.05.2023 at 11:00 AM
Details of meeting	The meeting shall be conducted through following Google meet Link: https://meet.google.com/fjn-sbyo-msa
Last date for submitting suggestions with respect to the technical specifications	30.05.2023, 11:00 AM
Contact Details	Ph: 0120-4071500/ 609/607 Email: bmenoida@hllhites.com

Disclaimer: This notification is not a tender or does not construe that participating vendors shall be qualified for prospective tender in this matter.

For HLL Infra Tech Services Limited
Deputy Vice President (BME)

ANNEXURE 1 _ TECHNICAL SPECIFICATIONS

MODULAR LAB FURNITURE

Scope of Work	
	Modular Furniture: Design Fabrication, Supply and Installation of Modular Laboratory Island/Linear Benches as specified in individual items, with necessary Frame Work, Bench Top, Reagent Shelves, under Bench Storages Units, Overhead Storages etc,
Technical Specification	
A	Frame work
1	Pre Coated MS tubular sections, 'C' Frames/'J' Frames/ "H" Frames, with 40 x 60 -16 Gauge Or 30 x 60- 14 Gauge as specified in individual items, for supporting the bench top
2	C frame fabricated out of heavy gauge hollow pipes size 60x40x2mm and 1.6 mm thick steel plates
3	Structure will be provided with necessary leveling bolts suitable for \pm 5mm level adjustment
4	Open ends of the pipe will be provided with elegant finish plastic caps
5	Structure shall be duly treated for the rust prevention and coated with epoxy powder coated (with minimum thickness of 60 micron).
B	Bench Top
1	18mm Thick high quality jet black or absolute black granite/16mm Pheonlic Resin TRESPA Brand
2	Minimum 16mm thick high quality Jet Black/Absolute Black Granite
C	Under Bench Storage Units
1	Lab benches shall have under benches, constructed of Electro Galvanized Iron/ Zinc Phosphated CRCA MS, Skin passed (GPSP) Epoxy Polyester Powder Coated 60-80 Microns externally and internally
2	Front door and drawer panels should be of Double wall sound deafening sandwiched type with Recess Handles- made of Chemical resistant, rust proof and sturdy Aluminium
3	Cabinet resting on adjustable Leveling Jacks with PP Base and with Cabinets sizes 600/750/900 mm in length 550 mm Deep as specified in individual item.
D	Reagent Shelves
1	Worktop mounted reagent rack in single or double tier design.
2	Vertical member and main bracket of the reagent rack shall be in GI or Aluminium construction duly anodised and epoxy coated for excellent corrosion resistance.
3	Rack platform shall be in wire reinforced glass construction
4	Shelf height shall be adjustable as per requirement. 150mm deep
5	The profile ends shall be covered and protected with injection molded ABS end caps
6	Vertical section should have groove for knock down assembly of service box and adjustable shelves
7	Shelves shall be adjustable at any required height with friction technology without any holes.
8	The Fasteners on the Base shall be covered with caps made of ABS/CRCA MS for aesthetic and cleanliness

9	Extruded aluminum/Similar material front and back runners shall be provided in order to prevent object falling from the shelves
10	The entire metal parts shall be epoxy powder coated for aesthetics
11	The Shelves bracket shall be made of minimum 16 gauges thick, Minimum 6mm thick wire glass to be provided on each shelf.
12	Service Box: Service box shall be made of electro galvanized steel sheet of thickness minimum 1 mm, Size: 92 mm x 95 mm.
13	All reagent shelves/racks/service box to be pre – treated with seven tank chemical process and powder coated with highly chemical resistant epoxy colour having dry film thickness of minimum 70 -80 microns.
E	Cover/ Filler/Back Panels
1	All Cover/ Filler/Back Panels below Knee space made of GI powder coated/ Zinc Phosphated CRCA MS
F	Service dropper
1	Supply and installation of vertical trunking of overall size 300 mm (W) X 150 mm (D), 2100 mm above the bench top level (+900 mm from FFL) and up to the false ceiling which is at about 2100 mm from bench top with 3 separate compartments for mechanical piping (water lines, gas piping, electrical cables etc.) with lockable access door on top and opening at the horizontal spine level.
G	Triangular Metal Electrical Raceway
1	Metal – Triangular Shape /Vertical shape: Made of GI Sheets,
2	PVC – Vertical Shape MK/Legrad Makes . Electrical Fittings:- 230V, 5/15Amp make as specified(without wiring)
H	SINK
1	In one piece, moulded Sink in solid Epoxy, Polypropylene (PP) construction
2	Dimension 440 x 330 x 180 MM (W D H).
3	Sink outlet provided with a large bottle trap in PP construction
I	Eye Wash
1	Eye washer shall be angled single/double headed type having proper grip for holding,
2	shall be placed near sink with suitable mount and making suitable connections to water mains
J	Hand Held Eye wash
1	Should have eye shower table mounted with two heads
2	Should be made of brass with chemical resistant, polycoat and stainless steel bowl
3	Should have water regulation with a built-in flow fix (26 litre /minute)
4	Should have minimum working pressure 1.5 bars
5	Should have push down control
K	Floor mounted emergency shower with eye wash station (safety station)
L	Laboratory Reagent Storage Full Height Storage Cabinets:
1	Fully height, constructed of Electro galvanized iron, skin passed (GPSP) Epoxy Polyester Powder Coated 60-80 Microns externally and internally
2	Two Doors Construction Opaque/Glass with Double wall sound deafening sandwiched type panels,

3	5 Numbers height adjustable shelves, Recess Handles Made of Chemical resistant, rust proof and sturdy Aluminium, Cabinet resting on plinth adjustable Levelling jacks with PP Base
4	Dimension as per specifications 900L X 550 W X 2000 H mm
M	Wall storage cupboard
1	Wall mounted Storage Cabinets to be of complete modular design consisting of Cabinet Frame, metal shutters (one for 600mm/2 for 900mm), and plastic/Aluminium recess handles
2	Cabinet frame to be of 0.1 mm GI sheet, with horizontal stiffeners of 1.2mm thick
3	Metal Shutters are of 0.1mm thick GI sheet with profile insert to provide rigidity to the doors.
4	1 Shelf is provided made from GI,
5	shelf is adjustable to have a load carrying capacity of 25-30 kg Uniformly Distributed Load (UDL).
6	Plastic/Aluminium Recess Handles to provide extra corrosion resistance.
7	Hinges to be Butt type hinges in SS 304 or 316.
8	Complete Storage to be Flush design with no protruding handles for better safety of the users to be provided.
9	The complete M.S. material of cabinet to be epoxy powder coated interior and exterior.
10	The thickness of powder coat to be 60-70 microns as per specification, Each unit should have a locking facility with 180° cam lock mechanism as per approved make.
11	Sizes: Length :600mm or 900mm (W) X 300mm (D) x 600mm(H)
12	600mm with one Door / 900mm with 2 Door
N	PU seated laboratory Stool
1	5-Star chromed Heavy Duty steel Base diameter:640 mm
2	Fitted with height adjustable stainless steel foot ring
3	Gas-lift for Seat Height adjusting
4	Seating and Back Rest made of Soft PU Cushion/ similar material of Black colour
5	On Heavy Duty PU Castor Wheels
6	Seat Width: Minimum 350mm
7	Seat Depth Minimum 260mm
8	PU Foam thickness: Minimum 30mm
O	Testing Standard/ Certification
1	Fume Hood/S: Fume Hoods should be manufactured as Ashrae 110:1995
2	On demand bidder must provide third party site testing
3	The bidder must have valid SEFA Executive member certificate
4	The bidder should possess ISO 9001:2008 Certificate
P	Fume Hood
1	Over all Dimensions 1500L X 900W X 2400H in mm
2	Base Cabinet Dimension 1500L X 500W X 900H in mm
3	Material of construction 18 Gauge Electro Galvanised Sheet with Epoxy Polyester Powder Coating
4	External finish Epoxy ployster powder coated 60-70 micron,Internal finish HPL 6mm thick

5	Door Single, Vertical Sliding, Concealed Type Door, Balanced with Counter Weights, Sash weights and Wire rope etc
6	Work top Jet black Granite work top dished type with 18mm thick
7	200x100mm cup sink made of PP fixed on work top with draw-in line up to 1-2 metre length to nearest drawing point
8	Illumination LED Light 200 Lux – 2nos
9	Powered by suitably rated totally enclosed Fan cooled (TEFC) 3 Ph ABB/ Crompton OR Equivalent make motor
10	Baffle A stable, Non – Adjustable baffle with a single slopt on the back baffle to aid in disturbing the flow of air into and through the hood.
11	The baffle shall be spaced out from the back liner and shall be removable for cleaning
12	Impeller Dynamically balanced FRP Impeller,Baffled by 3 mm thick FRP sheet
13	Service Lines The service lines for water, gas and nitrogen shall be connected with the lines provided by hospital authorities in the wall.
14	Power sockets 4 numbers of 15/5 amps 3 pin electrical socket cum switch
Q	Ducting
1	FRP Rigid ducting of suitable dia to be provided from the blower to the duct collar.
2	The total ducting will include flanges, bend, brackets, exhaust stacks & necessary clamps
R	Central Work Benches
1	Overall Dimension 3050L X 1500W X 900H mm
2	Under Bench Cabinets 6 no's of 750mm under Bench Storage Cabinets
3	Work Top Phenolic Resin Work Top 16mm thick
4	Reagent Rack Reagent Rack Two Tier wired Glass Shelf 300 mm depth(adjustable) mounted on Spine L = 2250mm with 8 no's of 15/5 amps 3 pin electrical socket cum switch
5	Sink unit 1500 mmx 750mm x900 mm with PP Sink 440 x 330 x 180 mm with two Three way Water Taps, Hand Held Eye Wash, PP Transparent Back Slash Guard, Peg Board PP with Collection tray of 18 pegs Service Dropper 300 x 150x2100 mm to run services from ceiling to Bench with Openable door
S	Wall Bench
1	Overall Dimension 7300 L X 900 W X 900H mm
2	C Frame Structure for Mounting work Top
3	Under Bench Cabinets on Lockable Castors 9 no's of 750 mm cabinets mounted on heavy duty castors with front castor locking arrangement
4	2 no's Filler Panels 300 mm depth
5	Phenolic Resin Work Top 16mm thick
6	Reagent Rack Two Tier wired Glass Shelf 150mm depth(adjustable) mounted on Spine L =4500mm with 6 no'sof 15/5 amps 3 pin electrical socket cum switch

Indicative BOQ

S.no	Item Details	Unit of measurement	Qty
1	Pre Coated MS tubular sections,pre Coated MS tubular sections, 'C' Frames/'J' Frames/ "H" Frames powder coated as per tender specifications	Metre	100
2	18mm Thick high quality jet black or absolute black granite	Metre	100
3	16mm Pheonlic Resin TRESPA Brand	Metre	100
4	Under Bench Storage units as sper spec 600mmLx550mmD; 1 door, 1 drawer	Metre	50
5	Under Bench Storage units as sper spec 750mmLx550mmD, 2 door, 1 drawer	Metre	50
6	Under Bench Storage units as sper spec 900mmLx550mmD, 2 door, 2 drawer	Metre	50
7	Reagent shelf two tier, 300mm	Metre	50
8	Reagent shelf two tier, 150mm	Metre	50
9	Reagent shelf single tier, 150mm	Metre	50
10	Service box in reagent shelf	Metre	100
11	Leg space assembly with back panel - quote rate for one meter	Metre	100
12	Service Dropper - quote rate for one meter	Metre	50
13	Cover / filler / Back panel	Metre	100
14	Modular Fume Hood as per spec	Nos	2
15	Fumehood ducting -	Metre	50
16	Wall storage cupboard 900mm (W) X 300mm (D) x 600mm(H)	Nos	20
17	Wall storage cupboard 600mm (W) X 300mm (D) x 600mm(H)	Nos	20
18	Triangular Metal Electrical raceway	Metre	50
19	Sink	Nos	10
20	Eye wash	Nos	2
21	Laboratory Reagent Storage Full Height Storage Cabinets	Nos	5
22	5/15 A power socker with switch	Nos	400
23	Water tap one way	Nos	20
24	Three way water tap	Nos	20
25	Hand held eye wash	Nos	5
26	PP Transparent Back Slash Guard	Nos	6
27	Peg Board PP with Collection tray of 18 pegs	Nos	10
28	Under Bench Cabinets on Lockable Castors 750mm	Nos	10
29	PU seated laboratory stool	Nos	50
30	Floor mounted emergency shower with eye wash station (safety station)	Nos	2