



Running Contract Details	
Equipment Name	Modular Furniture
Running Contract Valid Till	15-03-2020
Tender Ref No	KMSCL/EP/T253/1120/2017
Tendered Quantity	25
Supplier Name	M/s Art Lab Equipments
GST No	36AVFPS8122D1ZL
Installation & Delivery Period	6 Week(s)
Up-time / PM vist	95% & 2 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
Plot No. 5L- Phase V -IDA Jeedimetla Hyderabad Telangana 500055	Contact Person	Lekha
	Phone	04040063678,040 27165411
	Mobile No	08048653856
	Email	artlabsindia@gmail.com,riju.artlab@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	18mm Thick high quality jet black or absolute black granite <i>Model & Make : ART LAB EQUIPMENTS</i>	501.5 Incl.GST :18%	35.11	536.61
2	16mm Pheonlic Resin TRESPA Brand <i>Model & Make : ART LAB EQUIPMENTS</i>	14160 Incl.GST :18%	991.2	15151.2
3	Modular Fume Hood as per spec <i>Model & Make : ART LAB EQUIPMENTS</i>	194700 Incl.GST :18%	13629	208329
4	Under Bench Storage units as sper spec 450mmLx550mmD; 1 door, 1 drawer <i>Model & Make : ART LAB EQUIPMENTS</i>	11210 Incl.GST :18%	784.7	11994.7
5	Under Bench Storage units as sper spec 600mmLx550mmD; 1 door, 1 drawer <i>Model & Make : ART LAB EQUIPMENTS</i>	12095 Incl.GST :18%	846.65	12941.65
6	Under Bench Storage units as sper spec 750mmLx550mmD, 2 door, 1 drawer <i>Model & Make : ART LAB EQUIPMENTS</i>	12390 Incl.GST :18%	867.3	13257.3

Item-wise Price Details				
7	Under Bench Storage units as per spec 900mmLx550mmD, 2 door, 2 drawer <i>Model & Make : ART LAB EQUIPMENTS</i>	18290 Incl.GST :18%	1280.3	19570.3
8	Reagent shelf two tier, 300mm - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	4130 Incl.GST :18%	289.1	4419.1
9	Reagent shelf two tier, 150mm - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	2950 Incl.GST :18%	206.5	3156.5
10	Reagent shelf single tier, 150mm - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	2655 Incl.GST :18%	185.85	2840.85
11	Service box in reagent shelf <i>Model & Make : ART LAB EQUIPMENTS</i>	590 Incl.GST :18%	41.3	631.3
12	Leg space assembly with back panel - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	590 Incl.GST :18%	41.3	631.3
13	Cover / filler / Back panel - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	885 Incl.GST :18%	61.95	946.95
14	Wall storage cupboard 900mm (W) X 300mm (D) x 600mm(H) <i>Model & Make : ART LAB EQUIPMENTS</i>	10030 Incl.GST :18%	702.1	10732.1
15	Wall storage cupboard 600mm (W) X 300mm (D) x 600mm(H) <i>Model & Make : ART LAB EQUIPMENTS</i>	7080 Incl.GST :18%	495.6	7575.6
16	Service Dropper - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	1180 Incl.GST :18%	82.6	1262.6
17	Triangular Metal Electrical raceway - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	1180 Incl.GST :18%	82.6	1262.6
18	Sink <i>Model & Make : ART LAB EQUIPMENTS</i>	5664 Incl.GST :18%	396.48	6060.48
19	Eye wash <i>Model & Make : ART LAB EQUIPMENTS</i>	14160 Incl.GST :18%	991.2	15151.2
20	Laboratory Reagent Storage Full Height Storage Cabinets <i>Model & Make : ART LAB EQUIPMENTS</i>	30090 Incl.GST :18%	2106.3	32196.3
21	Fumehood ducting - quote rate for one meter <i>Model & Make : ART LAB EQUIPMENTS</i>	4602 Incl.GST :18%	322.14	4924.14
22	5/15 A power socker with switch <i>Model & Make : ART LAB EQUIPMENTS</i>	649 Incl.GST :18%	45.43	694.43
23	Water tap one way <i>Model & Make : ART LAB EQUIPMENTS</i>	7670 Incl.GST :18%	536.9	8206.9

Item-wise Price Details				
24	Three way water tap <i>Model & Make : ART LAB EQUIPMENTS</i>	11516.8 Incl.GST :18%	806.18	12322.98
25	Hand held eye wash <i>Model & Make : ART LAB EQUIPMENTS</i>	14750 Incl.GST :18%	1032.5	15782.5
26	PP Transparent Back Slash Guard <i>Model & Make : ART LAB EQUIPMENTS</i>	2183 Incl.GST :18%	152.81	2335.81
27	Peg Board PP with Collection tray of 18 pegs <i>Model & Make : ART LAB EQUIPMENTS</i>	6490 Incl.GST :18%	454.3	6944.3
28	Under Bench Cabinets on Lockable Castors 750mm <i>Model & Make : ART LAB EQUIPMENTS</i>	20650 Incl.GST :18%	1445.5	22095.5
29	PU seated laboratory stool <i>Model & Make : ART LAB EQUIPMENTS</i>	7670 Incl.GST :18%	536.9	8206.9
30	Floor mounted emergency shower with eye wash station (safety station) <i>Model & Make : ART LAB EQUIPMENTS</i>	41300 Incl.GST :18%	2891	44191
31	Under Bench Storage units as sper spec 450mmLx550mmD; 1 door, 1 drawer - Plinth Type <i>Model & Make : ART LAB EQUIPMENTS</i>	14750 Incl.GST :18%	1032.5	15782.5
32	Under Bench Storage units as sper spec 750mmLx550mmD, 2 door, 1 drawer - Plinth Type <i>Model & Make : ART LAB EQUIPMENTS</i>	13570 Incl.GST :18%	949.9	14519.9
33	Under Bench Storage units as sper spec 900mmLx550mmD, 2 door, 2 drawer - Plinth Type <i>Model & Make : ART LAB EQUIPMENTS</i>	18290 Incl.GST :18%	1280.3	19570.3
34	Pre Coated MS tubular sections, â€ˆCâ€™™ Frames/â€ˆ•Jâ€™• Frames/ â€ˆHâ€™• Frames, with 40 x 60, 16 Gauge OR 30 x 60 14 Gauge <i>Model & Make : ART LAB EQUIPMENTS</i>	236 Incl.GST :18%	16.52	252.52
		508857.3	35620.01	544477.31

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :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, as detailed

General Specification

A. Frame Work:

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. C frame fabricated out of heavy gauge hollow pipes size 60x40x2mm and 1.6 mm thick steel plates. The structure will be provided with necessary leveling bolts suitable for ± 5 mm level adjustment. Open ends of the pipe will be provided with elegant finish plastic caps. The structure shall be duly treated for the rust prevention and coated with epoxy powder coated (with minimum thickness of 60 micron).

B. Bench Top:

18mm Thick high quality jet black or absolute black granite/16mm Phenolic Resin TRESPA Brand

Minimum 16mm thick high quality Jet Black/Absolute Black Granite.

1. Jet Black / Absolute Black Granite with 'little to very little' grains on the surface.
2. Granite slabs shall have uniformity of colour, tone and textures. The entire supply for granite stone slab shall be procured from one location (in one quarry), and supplied preferably, in one lot to keep variations to the minimum.
3. It should be pre polished (mirror polished), all sharp edges half round molded.
4. All edge molding shall be equal in all areas. It shall be free of any surface defect or any edge damage.
5. The granite stone procured for the work shall match the samples provided to the technical committee during the technical evaluation. Before starting the work, the tenderer shall procure and submit the samples of granite stone slab for the approval of respective authorities on demand.
6. Slabs with stains or patches either before or after installation, shall be rejected and shall be replaced by the Contractor at his own cost.

C. Under Bench Storage Units:

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. All the 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, 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:

Worktop mounted reagent rack in single or double tier design. 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. Rack platform shall be in wire reinforced

glass construction. Shelf height shall be adjustable as per requirement. 150mm deep.

The profile ends shall be covered and protected with injection molded ABS end caps.

Vertical section should have groove for knock down assembly of service box and adjustable shelves.

Shelves shall be adjustable at any required height with friction technology without any holes.

The Fasteners on the Base shall be covered with caps made of ABS/CRCA MS for aesthetic and cleanliness.

Extruded aluminum/Similar material front and back runners shall be provided in order to prevent object falling from the shelves.

The entire metal parts shall be epoxy powder coated for aesthetics. The Shelves bracket shall be made of minimum 16 gauges thick.

Minimum 6mm thick wire glass to be provided on each shelf.

Service box: – Service box shall be made of electro galvanized steel sheet of thickness minimum 1 mm, Size: 92 mm x 95 mm.

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:

All Cover/ Filler/Back Panels below Knee space made of GI powder coated/ Zinc Phosphated CRCA MS.

F. Service dropper

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

Metal – Triangular Shape /Vertical shape: Made of GI Sheets, PVC – Vertical Shape MK/Legrad Makes . Electrical Fittings:- 230V, 5/15Amp make as specified.

(without wiring)

H. SINK

In one piece, moulded Sink in solid Epoxy, Polypropylene (PP) construction of dimension 440 x 330 x 180 MM (W D H). Sink outlet shall be provided with a large bottle trap in PP construction.

I. Eye Wash

Eye washer shall be angled single/double headed type having proper grip for holding, and 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:

Reagent Storage Cabinets- Fully height, constructed of Electro galvanized iron, skin passed (GPSP) Epoxy Polyester Powder Coated 60-80 Microns externally and internally with Two Doors Construction Opaque/Glass with Double wall sound deafening sandwiched type panels, 5 Numbers height adjustable shelves, Recess Handles- made of Chemical resistant, rust proof and sturdy Aluminium, Cabinet resisting on plinth adjustable Levelling jacks with PP Base and with Cabinets sizes 600 x 900 mm in length 550 mm Deep and 2000 mm as specified in individual item.

M. Wall storage cupboard

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. Cabinet frame to be of 0.1 mm GI sheet, with horizontal stiffeners of 1.2mm thick. Metal Shutters are of 0.1mm thick GI sheet with profile insert to provide rigidity to the doors. 1 Shelf is provided made from GI, shelf is adjustable to have a load carrying capacity of 25-30 kg Uniformly Distributed Load (UDL). Plastic/Aluminium Recess Handles to provide extra corrosion resistance. Hinges to be Butt type hinges in SS 304 or 316. Complete Storage to be Flush design with no protruding handles for better safety of the users to be provided. The complete M.S. material of cabinet to be epoxy powder coated interior and exterior. 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.

Sizes: Length :600mm or 900mm (W) X 300mm (D) x 600mm(H)

600mm with one Door / 900mm with 2 Door.

N. PU seated laboratory stool

Lab Stool Application: Ideal for all Laboratory seating

1 Specific Details:

2 5-Star chromed Heavy Duty steel Base diameter:640 mm

3 Fitted with height adjustable stainless steel foot ring

4 Gas-lift for Seat Height adjusting

5 Seating and Back Rest made of Soft PU Cushion/ similar material of Black colour

6 On Heavy Duty PU Castor Wheels

7 Can be washed clean

8 Seat Height Should be adjustable

9 Seat Width: Minimum 350mm

10 Seat Depth Minimum 260mm

11 PU Foam thickness: Minimum 30mm

O. Testing Standard/ Certification

Fume Hood/S: Fume Hoods should be manufactured as Ashrae 110:1995 (American Society of Heating, Refrigerating and Air-Conditioning Engineers) Standard norms. On demand bidder must provide third party site testing

The bidder must have valid SEFA Executive member certificate. The Third party testing certificate for SEFA standard shall be produced along with the technical bid. The bidder should possess ISO 9001:2008 Certificate

Approved Makes

Pneolic Resin Tops : TRESPA, Grey Colour

Hinges- SS Knuckle Butt barrel Hinges : Hafele, Hettich

Telescopic Drawer Slides : Hettich, Ebco

Drawer Cam Locks : Hettich, Ebco, Godrej

Utility Service- Valves, Water Taps

& Eye washs etc : Broen, water Saver

Electronic Sockets – 5/15 amps

Switch and socket with plate : North West Electrical Supply, Philips, Legrand, Crabtree

1. Fume Hood

Over all Dimensions 1500L X 900W X 2400H in mm

Base Cabinet Dimension 1500L X 500W X 900H in mm

Material of construction 18 Gauge Electro Galvanised Sheet with Epoxy Polyester Powder Coating.

External finish Epoxy ployster powder coated 60-70 micron

Internal finish HPL 6mm thick TRESPA make

Door Single, Vertical Sliding, Concealed Type Door, Balanced with Counter Weights, Sash weights and Wire rope etc.

Work top Jet black Granite work top dished type with 18mm thick

200x100mm cup sink made of PP fixed on work top with draw-in line up to 1-2 metre length to nearest drawing point

Illumination LED Light 200 Lux – 2nos

Powered by 1 HP 1380RPM TEFC 3 Ph ABB/ Crompton OR Equivalent make motor

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. The baffle shall be spaced out from the back liner and shall be removable for cleaning

Impeller Dynamically balanced FRP Impeller

Baffled by 3 mm thick FRP sheet

Service Lines The service lines for water, gas and nitrogen shall be connected with the lines provided by hospital authorities in the wall.

Power sockets 4 numbers of 15/5 amps 3 pin electrical socket cum switch

Ducting.

FRP Rigid ducting of suitable dia to be provided from the blower to the duct collar. The total ducting will include flanges, bend, brackets, exhaust stacks & necessary clamps. Per meter rate shall be provided in BOQ.

2. Central Work Benches

Overall Dimension 3050L X 1500W X 900H mm

Under Bench Cabinets 6 no's of 750mm under Bench Storage Cabinets

Work Top Phenolic Resin Work Top 16mm thick

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

Sink Unit 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 Service Dropper 300 x 150x2100 mm to run services from ceiling to Bench with Openable door

Colour Ivory/ Blue

3. Wall Bench Qty

Overall Dimension 7300 L X 900 W X 900H mm

Frame Structure C Frame Structure for Mounting work Top

Under Bench Cabinets on Lockable Castors 9 no's of 750 mm cabinets mounted on heavy duty castors with front castor locking arrangement

Filler Panels 2 no's Filler Panels 300 mm depth

Work Top Phenolic Resin Work Top 16mm thick

Reagent Rack Reagent Rack Two Tier wired Glass Shelf 150mm depth(adjustable) mounted on Spine L =4500mm with 6 no's of 15/5 amps 3 pin electrical socket cum switch

Colour Ivory/ Blue

4. Moveable Module Bench with Top

Under Bench Cabinets on Lockable Castors 2 no's of 750 mm Cabinets on Castors with Front Locking arrangement

Colour Ivory/ Blue

5. Laboratory Reagent Storage Full Height Storage Cabinets Qty

Dimension as per specifications 900L X 550 W X 2000 H mm