

Specification for Equipments/Items in the tender notice

**ITEM No. 1: Air Conditioner with Voltage Stabilizer**

<b>Schedule of supply for Split Air-conditioners with detailed specifications</b>			
<b>Sr. No.</b>	<b>Description/Specifications</b>	<b>Qty.</b>	<b>Unit</b>
1	<b>Split Air- Conditioner</b> : 2.0 TR, energy efficient 5 * rated Split AC Hitachi/ Daikin/ Blustar/ Voltas or equivalent make with installation at site.	20	No
2	5 KVA copper wound Automatic Voltage stabilizer with high voltage cut off, time delay, input & output display, overloading tripping facility, suitable for 110v to 280 V single phase supply.	20	No
3	<b>Split Air- Conditioner</b> : 1.0 TR, energy efficient 5 * rated Split AC Hitachi/ Daikin/ Blustar/ Voltas or equivalent make with installation at site.	10	No
4	3 KVA copper wound Automatic Voltage stabilizer with high voltage cut off, time delay, input & output display, overloading tripping facility, suitable for 110v to 280 V single phase supply.	10	No

**ITEM No. 2: Laboratory Furniture**

<b>Shedule of supply for Laboratory Furniture with detailed specifications</b>			
<b>Sr. No.</b>	<b>Description/Specifications</b>	<b>Qty.</b>	<b>Unit</b>
1	<p><b>Modular Centre Lab Table:</b> Modular Central table with chemical and heat resistant <i>Jet Black Granite</i> Top of 18 mm thick with chamfer molding at the front &amp; groove at the bottom to avoid chemical spillage on the modules. It should consist of 1 Reagent Rack with appropriate pillar support with 3 glass adjustable shelves, along with 6 under bench storage units made of 1 mm thick GI sheet as per Indian standard IS 277 with sufficient LED Lights . Modular centre Lab table should have leg space (2 locations).</p> <p><b>Table Size : 5760 mm (L) X1500 mm (W) X850 mm (H)</b></p> <p>Colors: Black, or grey with combination of off white.</p> <p><b>Structure:</b> Entire structure should be “C” frame type. 60 X 30 X 2 mm pipe should be used for main frame structure. 30 X 30 X 1.5 mm pipe should be used for bottom support. Should be CO<sub>2</sub> welded &amp; finished with highly chemical resistant epoxy powder coating. Complete Unit &amp; frame work should be finished with highly corrosion resistant epoxy powder coating with 70 - 80 microns thickness and should have passed salt spray test as Indian standards.</p> <p><b>Knee Space area:</b> Open able back cover panel. It must be adjustable. Instrumentation and Sitting area knee space should be appropriate and should not be less than 600 mm.</p> <p><b>1. Regent Rack Size : Island Table:</b> 3 Tier Structure with provision of Switch &amp; Sockets 220 V 5/15 Amp concealed wiring, 3 Adjustable Shelves – 4560 mm (L) X 380 mm (W) X 750 mm (H).</p> <p><b>Illumination:</b> The Shelves should be well equipped with LED Light of appropriate rating and lumens should be as per standard lab requirement. LED light Strips should be fitted under each glass shelf of reagent rack.</p> <p><b>Electrification:</b> Electrical Points Standard make specially designed for fixing in to lab tables should be provided with centre table. 3 at each side of reagent rack. (6 for current use and 3 as additional spare). Electrical Socket should be Piano switch 5/15 Amp with wiring of suitable rated multi stand flexible copper wire.</p> <p><b>2. Under bench Module:</b></p>	5	No.

Under bench module should have shutter & drawer front of sandwich construction. Foam sheet filled in shutter gaps will not be accepted. The sound reducing plastic bumpers should be used to minimize banging nose while closing the shutter. The entire unit should be made up of GI panels and should be bolted for high corrosion resistance. Welding of modules will not be acceptable.

Under bench module should be completely made of GI sheet each of Size:

**Length: 600mm / 750mm L (As per layout), Depth 570mm, Height 675 mm Standing.**

The shutters should be mounted to the units by hinges which should be operable to 110 degree & self closing on return. Lockable roller bearing must be used so that the drawer will not fall. The telescopic drawer slides should be sturdy & able to take load up to 30kg. All units to have lock and dual key arrangement. The lock ring should be plastic & not metal.

**3. Hardware fittings: Hardware fitting should be as following specifications:**

A) Hinges: Hafele make CED coated self closing.

B) Handle: S.S. 304 matt finish

C) Screw: All S.S. 304 Visible Screws.

D) Lock: Lock with plastic ring and a pair of keys.

**4. LAN (data) points:**

RJ-45 type Data point should be fixed in electrical trunking wiring module/section.

**5. Telephone Line:**

Provision for telephone line for voice communication and data transfer.

2	<p><b>Floor Mounted File storage Cabinet</b> : Providing and installing at site Floor mounted file storage cabinet made of powder coated GI sheet, 1mm glass shutter with 4 Adjustable shelves &amp; 1 fix shelf of following size.</p> <p><b>500 mm (L) x 450 mm(D) x 1800 mm (H)</b></p>	2	No.
3	<p><b>Floor Mounted Glassware Storage Cabinet</b> : Providing and installing at site Floor mounted glassware storage cabinet made of powder coated GI Sheet, 1 mm thick with 2 Glass Shutter With 4 Adjustable Shelves &amp; 1 Fix Shelf of following size:</p> <p><b>1000 mm (L) x 450 mm (D) x 1800 mm (H)</b></p>	2	No.
4	<p><b>Wall Mounted Cabinet</b> : Providing and installing at site wall mounted cabinet made of powder coated GI Sheet, 1 mm thick with 2 Glass Shutter With 1 Adjustable Shelves &amp; 1 Fix Shelf of following size:</p> <p><b>750 mm (L) x 370 mm (D) x 750 mm (H)</b></p>	35	No.
5	<p><b>Portable Eyewash Mounted on Sink</b> : Straight/ Inclined portable eyewash fitted to sink with double eye spouts complying to DIN EN 246 Standard with Brass Body, Anti-corrosive epoxy coating, Regulated spray</p>	2	No.