

AHMEDABAD UNIVERSITY - GICT BUILDING

Name of Vendor :

Laboratory Furniture for Lab 337 - "C-Frame Design", Fume Hoods, Exhaust Fan & Ducting

Technical Specifications:

A) C-Frame Structure:

Frame Structure material - Hollow pipes sections 60 x 30 x 2 mm thk and 1.6 mm thick steel plates
 The benches shall be provided with necessary leveling bolts suitable for ± 5 mm level adjustment
 All surfaces to be epoxy powder coated.
 All open ends of pipes shall be provided with suitable plastic/pvc caps
 The structure shall be duly treated for the rust prevention and coated with epoxy powder through fair practice of powder coating.

B) Under Cabinets & Drawers :

All Under Cabinets & Drawers to be of SEFA-8 standards Heavy Duty Under Module, comprising of one drawer, one cabinet with shutter and adjustable height shelf.
 Cabinet shutter will be in double skin construction and shall be provided with heavy duty, knuckle and barrel type SS hinges and positive catch arrangement. The under module shall be fabricated out of heavy gauge special grade Galvanized Iron sheet in weldless construction and shall be finished with pure epoxy coating for extra ordinary corrosion resistance.

C) Electrical Trunk Box :

G.I construction; duly powder coated

D) Electrical Sockets :

Legrand or Equivalent make

E) Civil Works : Not included in vendor's scope

Sr. No.	Description	Qty.	Unit	Unit Rate (INR)	Amount (INR)
1	Island Bench (IB - 1) Size: L 9750 mm x W 1500 mm x H 900 mm	1.00	Nos		
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	- C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	9.75	Rmt		
	- Work top in 18 \pm 1 mm thick Black Granite construction	14.63	Sq		
	- 750 mm wide storage module with two shutter Fixed type	1.00	Nos		
	- 500 mm wide storage module with one drawer one shutter(Movable type With Buffer)	12.00	Nos		
	- 350 mm wide storage module with one drawer one shutter Fixed type	2.00	Nos		
	- Single piece molded PP sink (L 600 x W 450 x D 315)	1.00	Nos		
	- Worktop mounted three way water tap with swan neck spout	1.00	Nos		
	- PP Adjustable Pegboard with 46 nos. PP Pegs. (Size: 600 x 600 mm)	1.00	Nos		
	- Worktop mounted, double outlet eye wash with SS braided flexible hose	1.00	Nos		
	- Knee Space	12.00	Nos		
	- Double sided double tier reagent rack with electrical raceway	9.75	Rmt		
	- 6/16 Amp electrical sockets and 16 Amp one way switch	48.00	Nos		
	- Modesty Panel in G.I. Construction	4.00	Nos		
	- Filler Panel in G.I. Construction	2.00	Nos		
2	Island Bench (IB - 3) Size: L 4500 mm x W 1500 mm x H 900 mm	1.00	Nos		
	C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	4.50	Rmt		
	- Work top in 18 \pm 1 mm thick Black Granite construction	6.75	Nos		
	- 500 mm wide storage module with one drawer one shutter (Movable type With Buffer)	6.00	Nos		
	- Knee Space	6.00	Nos		
	- Worktop mounted electrical raceway in GI powder coated construction	9.00	Nos		
	- 6/16 Amp electrical sockets and 16 Amp one way switch	24.00	Nos		
	- Modesty Panel in G.I. Construction	4.00	Nos		
	- Filler Panel in G.I. Construction	2.00	Nos		
3	Wall Bench (WB - 2) Size: L 6000 mm x W 750 mm x H 900 mm	1.00	Nos		
	C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	6.00	Rmt		
	- Work top in 18 \pm 1 mm thick Black Granite construction	4.50	Nos		

	- 500 mm wide storage module with one drawer one shutter (Movable type With Buffer)	4.00	Nos		
	- Knee Space	4.00	Nos		
	- Worktop mounted electrical raceway in GI powder coated construction	6.00	Nos		
	- 6/16 Amp electrical sockets and 16 Amp one way switch	24.00	Nos		
	- Modesty Panel in G.I. Construction	4.00	Nos		
	- Filler Panel in G.I. Construction	2.00	Nos		
4	Emergency Safety Shower	1.00	Nos		
	- Floor standing, overhead emergency shower with eyewash unit, main frame in S.S fabrication				
5	Chemical Storage Cabinet for Dry reactive powders / metal powders Size: L 1000 x D 450 x H 1830mm (Without Exhaust Fan)	2.00	Nos		
	- Outer body in GI epoxy powder coated construction - Inner Skin / Baffles in 5mm Thk. PP construction & PP tray on each shelf. - Special arrangement for ventilation from each shelf, - Double skin metallic doors with Lock, Butt Hinges, Positive Catche and SS handles - 100mm dia. Duct damper in PP construction				
6	Chemical Storage Cabinet for Acids / corrosives only Size: L 1000 x D 450 x H 1830mm (With Exhaust Fan)	2.00	Nos		
	- Outer body in GI epoxy powder coated construction - Inner Skin / Baffles in 5mm Thk. PP construction & PP tray on each shelf. - Special arrangement for ventilation from each shelf, - Double skin metallic doors with Lock, Butt Hinges, Positive Catche and SS handles - 100mm dia. Duct damper in PP construction				
7	PP + FRP Exhaust Fan (PP25, 315 mm Dia) - 1 No. Fan for 1 No. Chemical Storage Cabinet	1.00	Nos		
	- Centrifugal Fan with Housing in PP Construction Suitable stand in MS Zinc Plating with Powder Coating, Model No.: PP25-1014, CFM 150 - 200 - Drive - 1.0 HP, 1400 RPM, IE2, IP55, 3 Ph, 440V, 50Hz in FLP Const. - Motor Make : Crompton/Bharat Bijlee or equivalent - 16A, 3Ph MCB for Fan - Legrand or eq. Make				
FUME HOOD MACHINE AREA					
8	Low Constant Volume (LCV) type Bench Fume Hood (For AC Lab.) (Size: L 1500 x D 915 x H 2300 mm)	2.00	Nos		
	Consisting of following : (Specs to be attached) Fume Hood Superstructure, Fume Hood Worktop, Service Valves, Electrical Fittings, Fume Hood Understructure, Fume Hood Under-Cabinet (Chemical Storage Purpose), Accessories				
9	PP + FRP Exhaust Fan (PP35, 400 mm Dia) - 1 No. Fan for 2 Nos. 1500mm wide Bench type Fume Hoods	1.00	Nos		
	- Centrifugal Fan with Housing in PP Construction Suitable stand in MS Zinc Plating with Powder Coating, Model No.: PP25-1014, CFM 1200 - 1300 - Drive - 2.0 HP, 1400 RPM, IE2, IP55, 3 Ph, 440V, 50Hz in FLP Const. Motor Make : Crompton/Bharat Bijlee whichever available - 16A, 3Ph MCB for Fan - Legrand or eq. Make - DOL Starter for Motor				
11	Exhaust ducting in PP + FRP (Round Shape) construction (3mm + 2mm) complete with necessary bends, reducers, T-connections, supports, flanges, gaskets, nutbolts etc.	30	Sqm.		
Flammable Chemicals / Solvent Cabinet					
12	JUSTRITE Safety Cabinet - 60 Gallon (Size: L 1200 x D 600 x H 1950 mm) Colour : Yellow-Cabinet)	1.00	Nos.		

	22609 JUSTRITE 90 Minutes EN Safety Cabinet - 60 Gallon with 3 shelves, Approval: EN - Extreme fire resistance for high risk environments—store flammables with 90- minutes of protection - EN, OSHA and NFPA compliant—I Ext. Dimension: 1950 x 1200 x 600mm (H x W x D), Int. Dimension: 1540 x 1090 x 446 mm (H x W x D), Approval: EN, N, O, A, Weight: 349 kgs				
13	SAFETYBOX® - INFLAMMABLE (EN 14470-1 / EN 16121, EN 16122) (Size: L 1180 x W 640 x H 1950 mm) Model No. _____	1.00	Nos.		
	- Tall cabinet 2 doors, 3 shelves adjustable with racks and bottom basin, automatic doors' closing system.				
				TOTAL	