

Technical Recommendation of E-Tender No. NC-001069-CHE18-19, B-00053 CHE 18-19

Vendor	Apollo Engineering	Citizen Industries	Duttco Instruments	Sri Sakthi Lab Solutions
Constant Bypass Type Bench Fume hood				
OD: Width 1800 x Depth 915 x Height 2300 ID: Width 1600 x Depth 645 x Height 1200	No deviation	No deviation	No deviation	Quoted Bed size: 1600 x 6450 x 1200 (L x D x H). Deviation
Fume Hood Superstructure consisting of Structure frame in 2.0mm thick G.I. construction; Inner lining, rear baffles and top baffles in 6mm thk. Phenolic resin construction; Outer panels in 1.2mm thick G.I. construction; Aerodynamic Shape front posts, in G.I. construction; Flip-on type Airfoil in 1.6 mm thick SS construction; Streamlined shaped exhaust duct collar in PP const.; Combination type , Frameless design Sash in toughened glass const. with full length sash handle in anodized Al const; Sash movement mechanism with counter weight.; LED type Light.	No deviation	No deviation	No deviation	Only vertical sliding door is quoted. No combination type. Deviation
Fume Hood Worktop: In black natural granite construction, having raised rails on all four sides, in PP const., on left rear side.	No deviation	No deviation	No deviation	Ruby red colour
Service Valves	No deviation	No deviation	No deviation	No deviation
Electrical Services with internal wiring	No deviation	No deviation	No deviation	No deviation
Fume hood under-cabinet: Detachable design general purpose single cabinet fabricated GI sheet, consisting of Special arrangement for air ventilation inside the cabinet; Twin doors in double wall const. - Flushed type recessed handle.; Heavy Duty Knuckle Barrel door hinges.; 1 No. removable shelf; Recessed base frame in heavy duty GI const.; Twin castors for easy removal of the cabinet.	No deviation	No deviation	No deviation	No twin doors. No air ventilation inside the cabinet. Deviation
Controls: Air velocity Monitor with low air alarm, Model AFA/1000 TEL - UK Make (or equivalent)	No deviation	No deviation	No deviation	No deviation
Accessories: 300 mm dia. Duct damper in PP const. complete with pre drilled flanges on both sides, manual operation handle and extended spindle, suitable for motorized drive.	No deviation	No deviation	No deviation	No deviation
Scaffold Grill (1630 x 750 mm) in Vertical rod design, fabricated out of 12 mm dia., Epoxy coated, having 150 mm pitch between two rods.	No deviation	No deviation	No deviation	1200 L x 600 H Deviation
Celling Enclosure	No deviation	No deviation	No deviation	No deviation
Exhaust Fan (315 Dia.) - One fan for one no. 1800 mm Fume Hood: SISW direct driven design, Exhaust fan, capacity 900 - 1000 CFM at 25-40mm WC static pressure; consisting of Punker - Germany Make (or equivalent) impeller duly finished with chemical resistant super special coating; - Drive - 1 HP, 4 Pole, 3Ph, 415V, 50Hz., TEFC Class B insulation; induction motor with IP55 enclosure, in non-FLP const.; - DOL Starter for Motor.	No deviation	No deviation	No deviation	

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<p>Island Bench (IB - 1) Size: L 2500 mm x W 1500 mm x H 900 mm: Worktop in 18 mm thick Black Granite construction 3.75Sqm; - 750 mm wide storage module with one drawer and two shutters 4.00 Nos.; 500 mm wide storage module with one drawer and one shutter 4.00 Nos.; Double sided double tire reagent rack with electrical raceway 2.50 Rmt.; 6/16 Amp Electrical Switch and Socket 8.00 Nos; Service Pendant-1 no.; MS 30 X 30 X 1.2 mm Sq. Pipe for Granite Support 1.00 No.; Filler Panel in G.I. Construction 2.00 Nos.</p>	No deviation	No deviation	No deviation	Ruby red colour
<p>Wall Bench (WB - 1) Size: L 2500 mm x W 900 mm x H 900 mm: Worktop in 18 mm thick Black Granite construction 2.25 Sqm; 750 mm wide storage module with one drawer and two shutters 2.00 Nos.; 500 mm wide storage module with one drawer and one shutter 2.00 Nos.; Worktop mounted electrical raceway in G.I. Construction 2.50 Rmt.; 6/16 Amp Electrical Switch and Socket 4.00 Nos.; MS 30 X 30 X 1.2 mm Sq. Pipe for Granite Support 1.00 No.; Filler Panel in G.I. Construction 2.00 Nos.</p>	No deviation	No deviation	No deviation	Ruby red colour
<p>PP / FRP Ducting (Round Shape): Supply of exhaust ducting in PP/ FRP (Round Shape) construction (3mm + 2mm) complete with necessary bends, reducers, T-connections, supports, flanges, gaskets, nutbolts etc.</p>	No deviation	No deviation	No deviation	No deviation
<p>Installation Charges for PP / FRP Ducting</p>	No deviation	No deviation	No deviation	No deviation
<p>01 year warranty</p>	No deviation	No deviation	No deviation	No deviation
<p>Recommendation</p>	It is recommended for financial bid.	It is recommended for financial bid.	It is recommended for financial bid.	The technical specifications of Sash door of fume hood, Scaffold grill, and work top colour of fume hood, island bench and wall bench are not matching; hence it is not qualified.

J. Prithvi
23.07.2019

V. Lakshmi