

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

PUR/49/ERT/TB/E/2021-22		
Sl. No	Item Description	Quantity
1.	SUPPLY OF: 1. ELECTRIC PANEL FOR MOTORS 2. CONTROL PANEL FOR MOTORS Details as per annexure- I & II	 01 No. 01 No.

1. Place of Delivery:

The ordered goods are to be delivered within 90 days of receipt of Purchase order at Department of Mechanical Engineering, Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu 641114

2. Performance Security:

03 % of Invoice Value/Contract value is to be furnished by the supplier within 21(twenty-one) days from the date of Purchase order and it should remain valid for a period of 60 (sixty) days beyond the date of warranty period

3. WARRANTY

Warranty 24 months will be provided by the supplier. Warranty to be effective from the date of final acceptance of the items/equipment at the User's laboratory/Institute/site.

4. Unloading of material at delivery site

In scope of supplier.

6. Bid Security Declaration:

A Bid Security Declaration shall be mandatorily furnished by the Bidder in the format prescribed in the Tender Document. Any offer received without the Bid-Security Declaration shall be liable to be rejected.

Technical Specification**Electrical Panel for Motor Starter**

Sl	Description	Specification	Qty
1	Panel Box	Dimension: 2000 (L) mm × 1500 (H) mm × 250 (D) mm (min) Thickness of CRC Sheet: 1.6 mm with Powder Coating Height of Panel Box from ground +300mm (min)	1 No
2	Incomer	MCCB: 415 V, 125 amps, 4 Pole, 25kA, Thermal Type	1 No
3	Bus-bar	Material: Al; Current Rating: 150 amps	4 Nos
4	Starter Switch	5 hp induction motor (Voltage: 415V, 3 Phase, Current Rating: 6.3-10A) 3 hp induction motor (Voltage: 415V, 3 Phase, Current Rating: 4-6.3A) 2 hp induction motor (Voltage: 415V, 3 Phase, Current Rating: 3.2-5A) 1 hp induction motor (Voltage: 415V, 3 Phase, Current Rating: 1.0-2.2A) (Preferred make: Siemens, L&T, Schneider, Havells etc)	3 Nos 8 Nos 9 Nos 10 Nos
5	Internal wiring	2.5 sq.mm copper cable wiring with appropriate tagging of cable	As required
6	Cable	2.5 sq.mm 3 Core Copper Cable (Preferred make: Finolex, Havells, Polycab etc)	1000 m
7	Metering	Volt Meter (Digital) Ammeter (Digital) with appropriate CT & PT	1 No 1 No 1 No
8	On/Off/Trip	On/Off/Trip Push Button for each motor	90 Nos
9	Emergency Off	Emergency Off Push Button	1 No
10	Layout Drawing	.pdf format	1 set

N.B.

1. Mention Model No, Make and Specification of Equipment specifically or else bid shall be rejected
2. Don't copy paste the tendered specification or else bid shall be rejected
3. Provide necessary photographs or drawing (whenever applicable) along with the technical bid

Place of Delivery:

Dept. of Mechanical Engineering, Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu 641114.

Unloading of Material at Delivery Site: In Scope of Supplier

Warranty: 24 months

Partha Das
09/04/2021

Technical Specification**Item: Control Panel for Motors**

Sl	Description	Specification	Qty
1	Panel Box with internal wiring	Dimension: 2000 mm(L) × 1200(H) × 250mm (D) (min) Thickness of CRC Sheet: 1.6 mm with powder coating Height of frame from ground: +300 mm from GL 2.5 sq.mm cable (Cu) for internal wiring with appropriate tagging	1 No
2	Variable Frequency Drive	3hp induction motor (Voltage: 415V, 3 Phase AC, Frequency: 50 Hz, Current Rating: 4-6.3A)	8 Nos
		2hp induction motor (Voltage: 415V, 3 Phase AC, Frequency: 50 Hz, Current Rating: 3.2-5A)	6 Nos
		5 hp induction motor (Voltage: 415V, 3 Phase AC, Frequency: 50 Hz, Current Rating: 6.3-10A)	1 No
		1 hp induction motor (Voltage: 415V, 3 Phase AC, Frequency: 50 Hz, Current Rating: 1.0-2.0A) Preferred make: Havells, Schneider, Siemens, Futji, Delta Etc.	5 No
3	Display & Control	Provision for operating potentiometer knob from outside of the panel box Display of frequency from outside of the panel box	20 Nos 20 Nos
4	On/Off/Trip	On/Off/Trip Push button for each motor	60 Nos
5	Layout Drawing	.pdf format	1 set

N.B.

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3. Provide necessary photographs or drawing (whenever applicable) along with the technical bid

Place of Delivery:

Dept. of Mechanical Engineering, Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu 641114.

Unloading of Material at Delivery Site: In Scope of Supplier

Warranty: 24 months

Panthe Das
08/04/2021