

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

Sl No.	Description of items	Quantity
PUR/174/ERT/AP/E/2020-21		
1.	Supply & Installation of Slurry Pump (Details are as per below ANNEXURE-I)	09 Nos.

1. INSTALLATION/COMMISSIONING

- 1.1. The ordered goods are to be delivered and installed at CSIR-CMERI, Durgapur-713209, West Bengal within 30 days of receipt of purchase order. Installation should be carried out only by expert engineer of Supplier/Manufacturer without extra cost.

2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of one year must be provided to be effective from the date of successfully installation and final acceptance of the items/equipment at the User's laboratory/Institute.

Specification

Item-1

Quantity: 02 Nos
Type: Self-Priming Slurry Pump (Sewerage Water, Waste water, Effluent, Slurry etc.)
(Make: Kirloskar, Crompton Greeves)
Discharge Head: 20.0 mtr (min)
Suction Head: 6.0 mtr (min)
Flow: 30-40cum/hr (min)
Suction Size: Dia- 80 mm (min)
Discharge Size: Dia- 80 mm (min)
Temperature of operation: 80 deg C (max)
MOC: CI
Coupling: Gland type flexible coupling
Base frame with trolley: ISMC (100mm×50mm×5mm) MOC MS-IS2062; 4 Nos. Wheel
Engine: 10hp; 1500rpm (Make: Kirloskar, Cummins, Greaves Cotton, Standard) with self-starting facility
Pipeline: 3 inch dia PVC flexible pipeline 15m and necessary fittings for delivery and suction head for each pump

Item-2

Quantity: 03 Nos
Type: Self-Priming Slurry Pump (Sewerage Water, Waste water, Effluent, Slurry etc.)
(Make: Kirloskar, Crompton Greeves)
Discharge Head: 20.0 mtr (min)
Suction Head: 6.0 mtr (min)
Flow: 30-40cum/hr (min)
Suction Size: Dia- 80 mm (min)
Discharge Size: Dia- 80 mm (min)
Temperature of operation: 80 deg C (max)
MOC: CI
Pipeline: 3 inch dia PVC flexible pipeline 15m and necessary fittings for delivery and suction head for each pump

Item-3

Quantity: 01 Nos
Type: Self-Priming Slurry Pump (Sewerage Water, Waste water, Effluent, Slurry etc.)
(Make: Kirloskar, Crompton Greeves)
Discharge Head: 20.0 mtr (min)
Suction Head: 6.0 mtr (min)
Flow: 50-60cum/hr (min)
Suction Size: Dia- 100 mm (min)
Discharge Size: Dia- 100 mm (min)
Temperature of operation: 80 deg C (max)
MOC: CI
Coupling: Gland type flexible coupling
Pipeline: 4 inch dia PVC flexible pipeline 15m and necessary fittings for delivery and suction head for each pump

Partha Das
06/09/2020

Item-4

Quantity: 01 Nos

Type: Self-Priming Slurry Pump (Sewerage Water, Waste water, Effluent, Slurry etc.)

(Make: Kirloskar, Crompton Greeves)

Discharge Head: 20.0 mtr (min)

Suction Head: 6.0 mtr (min)

Flow: 30-40cum/hr (min)

Suction Size: Dia- 80 mm (min)

Discharge Size: Dia- 80 mm (min)

Temperature of operation: 80 deg C (max)

MOC: CI

Coupling: Gland type flexible coupling between motor and pump

Base frame: ISMC (75mm×50mm×6mm) MOC MS-IS2062

Motor: 5hp; 415V, 3ph, 50hz, 1440rpm (Make: ABB, Crompton Greeves, Kirloskar, Havells, Bharat Bijlee etc) with DOL starter

Pipeline: 3 inch dia PVC flexible pipeline 15m and necessary fittings for delivery and suction head for each pump

Cable: 2.5 sq.mm 3 core copper cable- 100.0m

Item-5

Quantity: 02 Nos

Type: Self-Priming Slurry Pump (Sewerage Water, Waste water, Effluent, Slurry etc.)

(Make: Kirloskar, Crompton Greeves)

Suction Dia: 40 mm

Delivery Dia: 40 mm

Discharge Head: 20.0 mtr (min)

Suction Head: 6.0 mtr (min)

Motor: 1hp; Single Phase, 50hz, 1440rpm (Make: ABB, Crompton Greeves, Kirloskar, Havells, Bharat Bijlee etc) with DOL starter

Capacity: 6000 LPH(min)

Temperature of operation: 80 deg C (max)

MOC: CI

Coupling: Gland type flexible coupling

Pipeline: 1.5 inch dia PVC flexible pipeline 60 m and necessary fittings for delivery and suction head for each pump

Cable: 1.5 sq.mm 2 core copper cable- 100.0m

Parth Dm
06/09/2020