

**T/2455626/2023**

**Supply and Commissioning of  
Mobile Dewatering Pump  
(O&M Wastewater)**

**SCOPE SYNOPSIS**

OWWSC are seeking for a technical proposal from Pumps suppliers to provide a Mobile Dewatering Pump and Electrical Sewer water Submersible pumps meeting the required specification.

**Emergency Diesel Pump for Sewage and Storm water application**

**A. Features:**

- Diesel engine pump with Capacity of 4000 m<sup>3</sup>/h @ 60 meters head and suction 7 to 10 meters – 1 No.
- Electrical sewer water submersible pumps with capacity of 1000 m<sup>3</sup>/h @ 60 – 100 meters head – 10 No.
- Flexible pipes with coupling and valves – 8 KM
- Solids Size mm = 120
- Self Priming lift m = 8.8
- Air Handling, l/s = 24
- Pump Speed Max. rpm = 1600
- Inlet/Outlet mm = 200 – 250
- Dimensions (L x W x H) cm super Silent= 442 x 232 x 275
- Delivery distance : 800 m for each pump.
- System: Diesel and self-priming type.

**B. Accessories to be supplied:**

- All control Panels.
- Battery and Battery charger (with both internal and external charging facility)
- Suction pipe 20 m lengths (flexible and light weight with all required accessories).
- Delivery pipe 800 m length (heavy duty (10 bar) flexible and light weight with quick tight joint couplings and with gate valve).
- Appropriate capacity Diesel storage tank within range of 24 hours running with and related appurtenances.
- All pipe fittings and accessories like couplings etc.
- Spare parts for one year use.
- Consumables for one year use.

**C. Other requirements:**

- Pump components shall be suitable for sewage and storm water pumping.
- All components of Pump and accessories shall be protected against rust.
- Protection against dry run.
- Pump should be designed for minimum noise level with necessary acoustic sound enclosures
- Pump should be designed with weather shield enclosures to prevent /protect pump from Dust/wind/rain /severe Weather conditions. The complete pump-engine set shall be enclosed in a modular, marine grade aluminum weatherproof enclosure, constructed with 5000 marine grade aluminum. The enclosure shall be constructed of removable side panel and end panel. All fasteners and hardware used in construction of the enclosure should be 316 stainless steel types. The unit shall have hinged side doors each side and hinged doors at control end, equipped with key locks for ease of engine maintenance, hold open devices and a three-point latch system.
- Electrical and control enclosure for the pump shall be IP68.
- Flexible pipes for suction and delivery shall be of heavy duty.
- Warranty from the manufacturer for the Pumps shall be for 2 years from the commissioning acceptance date.
- Guarantee for anti-corrosive treatment shall be for 5 years