



## SUBMERSIBLE POLDER PUMPS

Polder pumps are particularly suitable for lifting water from canals and river beds, dam sites, disposal of waste water. The construction of the pump is vertical type with pump below and motor above. Suction inlet is at the bottom, so that water is pumped from the lowest level. The pump is driven by water filled submersible electric motor, squirrel cage induction type, water which acts as a lubricant against the contamination from surrounding water by mechanical seal. All parts are made from especially selected material to suit high abrasion and corrosion. The pump can be installed in vertical sump and can be easily shifted to alternative site for reinstallation and withdrawal of the unit as well as replacement of normal wearing parts on site with minimum labor. Polder pump is one or two stage, available in all material except soft metal like lead or very hard which is not readily machinable.

Dewatering pumps is a compact designed pump below the motor by which maximum lowest pumping level is possible. Unit consists of a vertical conventional centrifugal pump driven by an electro oil lubricated, oil filled / dry submersible motor.

There is a common shaft between pump and motor. the pumping & motor unit is of close coupled construction and the double casing design provides with the help of double mechanical seals made up of tungsten carbide which is protected and covered by leap seals. Double sealing arrangement keeps motor away from the liquid being pumped and high grade corrosion resistance & abrasion resistance material is being used. All materials used are eco-friendly. Impeller is closed / non clog type which can handle solid contents and are dynamically balanced. The bearing arrangement with double angular contact with deep groove ball bearing gives resistance to the radial and thrust load combination in a pump.

### APPLICATIONS

- Dam / Construction sites, Dewatering Mines,
- Sea Water Pumping, Oil Mixed water,
- Intake Wells / Sump Wells,
- Canals, Turbine water,
- River Beds, Ash mixed water,
- Cement / Steel Plants,
- Thermal power Station.

### OPERATING RANGE

- **H.P.** : 3.0 HP TO 200.0 H.P.
- **Head** : Up to 90 Mtrs.
- **Capacity** : Up to 11,000 LPM,
- **RPM** : 3000 / 1500,
- **Stage** : One / Two,
- **Concentration** : Up to 10,000 PPM.

