

Technical details of the pump as follows	
PUMP	SPECIFICATION
Type	Submersible type slurry pump with agitator
No. of stage	one
Head (mtrs.)	55-60
Capacity (lpm)	380-400 lpm
Pump input at duty point	37.0%
Direction of rotation	C/W from top
Max solid size handling (mm)	8 <i>up to</i>
Minimum submergence (mm)	300
Outlet (mm)	80
Max outer diameter/width (mm)	525
Wt. of pump set (kgs)	270
MOTOR	SPECIFICATION
Motor rating (HP/kW)	20-25
Rated voltage (volts)	415 ( $\pm 10\%$ )
Rated current (amps)	32.0
Frequency(Hz)	50 ( $\pm 3\%$ )
Input power at duty point (kw)	12.78
Motor efficiency at duty point	76%
Starting current (of flc)	130% to 230%
Class of Insulation	F"
Type of protection	IP68
Method of starting	STAR DELTA
Size of cable (3 core)	2x3x4.0 (sq.mm) for power & 1x3x1.5(sq.mm) for control)
MATERIAL OF CONSTRUCTION	
Diffuser	ASTM A 217 GR CA15 (SS-410)
Impeller	ASTM A 217 GR CA15 (SS-410)
Shaft	AISI 410
Mechanical seal (motor)	Carbon v/s ceramic
Mechanical seal(pump)	Silicon carbide v/s silicon carbide
Fasteners	AISI 304

Application: Submersible type slurry pump, which will be used for pit bottom cleaning at Narwapahar mines shaft below at 350ML.

Payment terms: 1. Only 40% payment against supply.

2. 60% payment after the successful run of 3 months.