

### TECHNICAL DELIVERY CONDITION

Sl no	Submersible Drainage Pumps (3 HP ,600 LPM)	Vendor comments
1	Application:Slushy water, dewatering, drainage application.	
2	Power - 3HP	
3	Motor RPM-2900 <u>or better</u>	
4	Direct start method	
5	Flow rate - 600 LPM <u>or more</u>	
6	Head - 23.3m <u>or more</u>	
7	Discharge flange -3 inch/80mm	
8	Portabe type	
9	Cable length -10 m, min	
10	Dimension: Length 400 mm (Max) Height 500 mm (Max)	
11	Double mechanical seal Silicon Carbide sealing faces at the water end and carbon/ceramic sealing faces at the motor end.	
12	Automatic reset motor protector	
13	Epoxy encapsulation at all cable entry to prevent water ingress to the motor area	
14	U type impeller	
15	Automatic float switch with epoxy resin sealed connector	
16	2 - pole dry submersible motor with 50Hz	
17	Three phase : 400V +5 -15 %	
18	Ingress Protection IP 68	
19	Insulation class : F	
20	Strainer with Solid passage of up to 10mm	
21	Make to be mentioned	
22	Pump is to be completely submerged type	
Sl no	Submersible Drainage Grinder Pumps (3 HP)	Vendor comments
1	Application:Slushy water, dewatering, drainage application. Prevents clogging with some troublesome objects such as cotton waste, plastic, rubber and gloves.	
2	Power - 3HP,KW-2.25	
3	Motor RPM-2900 <u>or better</u>	

4	Direct start method	
5	Flow rate - 150 LPM <b><u>or better</u></b>	
6	Head - 30m min	
7	Discharge flange size to be mentioned	
8	Portabe type	
9	Cable length -10 m, min	
10	Dimension: Length 300 mm (Max) Height 600 mm (Max)	
11	Double mechanical seal Dual silicon carbide mechanical seal system and with additional oil seal protection	
12	Automatic reset motor protector	
13	Epoxy encapsulation at all cable entry to prevent water ingress to the motor area	
14	Vortex type impeller	
15	Automatic float switch with epoxy resin sealed connector	
16	Dry type motor with high efficiency and low current.	
17	Three phase : 400V +5 -15 %	
18	Ingress Protection IP 68	
19	Insulation class : F	
20	Radial cutter and cutter ring: corrosion resistant material, hardened to 55 - 60 Rockwell C.	
21	Body : Heavy duty finned cast iron construction	
22	Make to be mentioned	
23	Pump is to be completely submerged type	