

## **ANNEXURE**

### **Dilute flocculent solution TRANSFER pump (Progressive cavity type) for FLOWMIN SOLUTION with motor, variable speed A.C.drive, base etc.**

Duty	-	To pump strong flocculent solution from preparation tank to dosing tank.
Capacity	-	4500 to 5000 Litre per hour
T. D. H	-	8 meter
Temperature	-	Ambient
Viscosity	-	200-250 cp
Shaft sealing	-	Gland packed
Specific gravity of liquid	-	1.0
Suction	-	Flooded from tank (0.3 m static head)
Material of construction	-	Nitrile rubber lined on SS 316 stator, Hard chrome plated SS 316 rotor, other wetted parts in SS 316.

#### **NOTE -**

1. V belt drive will be preferred. Speed variation through gear box is not acceptable.
2. Flow variation is to be done by varying the speed of the motor / pump by variable frequency A. C. Drive.
3. Three phase 960 RPM motor will be preferred if max. RPM of pump is below 960 rpm.
4. Rating of VFD shall be 1.5 times higher than offered motor rating.
5. Make & details of VFD, Characteristics curve of pump, constructional drawing & MOC of various parts of pump, Weight of pump, base, motor separately must be given for evaluating the offer.
6. The VFD shall be suitable to accept 4-20 mA current and not 0-20 mA.
7. Offer must contain bifurcation of price of pump, motor, VFD, etc.
- 8. Preferred motor shall be: 1.5 KW & VFD: 2.2 KW OR AS PER THE SUITABILITY OF THE PUMP OFFERED**
- 9. Make of motor:** CG, Bharat Bijlee, Siemens, Kirloskar only.
- 10. Make of VFD:** Danfoss, Siemens, Kirloskar, Allen Bradley, Schneider only.