

**Horizontal Centrifugal Precoat slurry (Dicalite) Pump**  
**with motor, base & Accessories**

**Make: AKAY, INVESTA, QVC, MICROFINISH, KSB ONLY**

Duty : To pump acidic Precoat slurry (2% Precoat material w/w) from precoat slurry preparation tank to vat of Precoat filter.

Size of solid : 80% passing through 300 mesh and 100% passing through 200 mesh

Capacity : 120 m<sup>3</sup>/hr.

T.D.H. : 20 mtr.

Suction : Flooded (Tank level fluctuates from 2.5 m to 1.0 m above suction).

Delivery : 8" NB MSRL line open to precoat filter vat

pH : 1.5 to 2.0

Temperature : Ambient

Viscosity : 0.85 cp

Specific Gravity: 1.05

M.O.C. : Alloy-20 for all wetted parts. Shaft should be SS-316.

Impeller : Semi open or open.

Speed : 1440 rpm (2900 rpm is not acceptable)

Gland Arrangement: Gland packed with external cooling / sealing water arrangement. The sealing water shall come out of the pump

**Note:**

- Pump must be warranted against any kind of manufacturing defects or poor workmanship for one year from the date of commissioning or 18 months from the date of receipt, whichever is earlier.
- Warranty certificate of the pump must be attached with the dispatch documents.



## The offer must be submitted in the given format

Pump model & type offered	-	
Speed of the pump	-	
Suction & discharge (mm)	-	
Type & make of coupling	-	
Capacity offered (m <sup>3</sup> /hr)	-	
Head Offered (m)	-	
NPSH required	-	
BKW required	-	
Motor offered make & rating	-	
Impeller type & diameter offered	-	
Full size of impeller offered	-	
Drive end bearing No.	-	
Non drive end bearing No.	-	
Shaft diameter at impeller end	-	
Distance between NDE bearing and impeller	-	
Distance between bearings (NDE & DE)	-	
Weight of bare pump (Kgs.)	-	
Weight of structural base (Kgs.)	-	
Weight of motor (Kgs.)	-	
Type of lubrication offered	-	
Material of construction of		
a) Casing	-	
b) Impeller	-	
c) shaft	-	
d) shaft sleeve	-	
Gland sealing arrangement / mechanical seal	-	
Pressure & flow of gland sealing water required	-	
Efficiency of pump		

## Offer must contain the following details.

1. Material of construction of parts clearly.
2. Weight of pump, structure & base separately.
3. Detail constructional drawing/ sectional drawing of pump with details of bearing fitted along with leaflets.
4. G.A. drawing of pump & motor with dimensions.
5. Dimension of pump base and associated structure.
6. Characteristics curve containing impeller size, type of impeller, head, efficiency, power, NPSH(R) etc.
7. All the pumps should be supplied with heavy duty SKF Make bearing for continuous service.
8. V-belt drive is <sup>NOT</sup> acceptable. Bifurcation of price of pump, motor, base & accessories must be given because order may be placed for full set or part thereof. Taxes, duties, P & F charges should be mentioned clearly.
9. Offer without the aforesaid details will be rejected out rightly and no further communication will be entertained.
10. Pump must be warranted against any kind of manufacturing defects or poor workmanship for one year from the date of commissioning or 18 months from the date of receipt, whichever is earlier.
11. Warranty certificate of the pump must be attached with the dispatch documents.

*Handwritten signature*