

Annexure

Item No : Water Booster Pump for gland sealing of Pumps

with motor ,base, & accessories - 2 Sets

Duty : To boost the pressure of industrial water of 1.8 Kg/ Cm^2 to 18 Kg/ Cm^2

Capacity : 25 Cub. Meter / Hour.

Total Discharge Head : 180 meters

Suction : $2 \frac{1}{2}$ " NB pipeline with a line pressure of 1.8 Kg/ Cm^2 .

Delivery : 2 " NB main pipeline which branches to 6 no's $\frac{1}{2}$ " diameter pipelines & terminates as gland sealing line in pumps.

Motor BIJLEE : RPM - 2930, ABB/CROMPTON/SIEMENS/KIRLOSKAR/BHARAT make only.

MOC : Impeller and casing - CI., Shaft - EN8, Shaft sleeve - SS316

Note : The pump shall be multistage and shall have heavy duty bearings & housing suitable for continuous operation. The bearings shall be oil lubricated. Pump requiring less number of stages & power will get preference. Fenner/Unique make tyre coupling will only be accepted.

Offer must contain the followings:-

- 1) G.A. Drawing of pump, motor, & base etc.
- 2) Detail constructional drawing of pump.
- 3) Characteristic curve of pump containing impeller size, head, efficiency, power etc.
- 4) Motor required with no load & full current, frame size, efficiency etc.
- 5) Other details as asked in enclosed format.
- 6) Bifurcation of price of pump motor, base, coupling etc.

Annexure-II

The offer must be submitted in the given format

Pump model & type offered	-	
Speed of the pump	-	
Suction & discharge (mm)		
Type of drive (direct coupled or not)	-	
Type & make of tyre coupling	-	
Capacity offered (m ³ /hr)	-	
Head Offered (m)	-	
NPSH required	-	
BKW required	-	
Motor offered make & rating	-	
Impeller type & diameter and no of stages 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	-	
No.of stages	-	
Efficiency of pump		

Pump flange shall be drilled as per BS Table 10 D



Annexure-III

The offer must contain the following details.

1. Material of construction of parts.
2. Detail constructional drawing / sectional drawing of pump with details of bearing fitted along with leaflets.
3. Dimension of pump base and associated structure.
4. Coupling should be of tyre coupling & should be only of Fenner/UNIQUE MAKE. Base should be structurally fabricated. Cast base is not acceptable.
5. 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.
6. Offer must contain details of guarantee period of performance of pump.
Bank guarantee of amount equivalent to 5% of the value of the order
valid for performance guarantee period will have to be submitted before
the release of full payment.

Offer without the aforesaid details will be rejected out-rightly and no further communication will be entertained.

✓
2021