

## **ANNEXURE FOR SUMP PUMP FOR NEUTRAL HOT WELL**

**Duty-** Suitable to be installed in a pit of size 0.75 m long x 0.75 m wide x 0.9 m deep for pumping drain water of hot well from pump pit to cooling tower.

Model : Similar to 2 1/2" Galligher sump pump

The vertical sump pump shall have -

- 1) Cantilever shaft design with no submersible bearing.
- 6) Single piece shaft design.
- 7) Double impeller entry for pumping slurry with suitable replaceable SS-316 strainer to restrict clogging of material.
- 8) Non -clog impeller.(semi-open)

Suction	: From Pit,	Delivery: Through 3" MSRL pipe
Capacity	: 25 m <sup>3</sup> /hr,	TDH : 25 m
Temp	: 40°C,	pH : 6.5 - 7.5

9) MOC

- |                |   |
|----------------|---|
| Casing         | : Rubber moulded with MS insert   |
| Impeller       | : CSRL, Shaft : MSRL  |
| Discharge pipe | : MS with rubber lining on both side. Flanges shall also be fully rubber lined on both sides. |

All rubber lining shall be of soft natural rubber and hardness 80 +/- 5°A

All fixer shall be of SS-316.

The impeller shall be mounted on shaft with threading. There shall be proper leak proof sealing in the threaded portion to completely stop entry of liquor. Impeller after mounting on shaft shall be provided with rubber cap or SS-316 cap for protection.

### **Scope Of supply**

G. Pump with motor mounted on fabricated MS frame with Belt Guard

H. V-groove pulley for pump and motor with V-belt-1 set each

**I. 2 sets of spares each for casing , impeller and strainer along with the supply**

J. Party must mention separate Prices in the offer for motor & pump along with spares.

e.g.: **Cost of pump along with spare & accessory as mentioned above: Rs.** \_\_\_\_\_  
**Cost of motor** : Rs. \_\_\_\_\_  
**TOTAL COST** : Rs. \_\_\_\_\_

**P.O. shall be placed on Lowest bidder based on the Total Cost mentioned above after addition of taxes & duties i.e. landed cost.**

K. 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

L. Warranty certificate of the pump must be attached with the dispatch documents.

Party must submit following information along with the offer

5. Characteristic curve
6. MOC of each part of the pump
7. G.A. drawing
8. Information booklet