

SPECIFICATION OF PUMP

Horizontal Centrifugal Pump (At IWR)

- a. **Number of Pumps inclusive of motors** – 2 (1 running + 1 standby)
- b. **Mounting of Pumps & Motors** – Both pump and Motor of each individual set must be mounted on same common frame for easy erection.
- c. **Preferred Type of Pumps** : Centrifugal Pump- Horizontal split casing
- d. **MOC**: Graded cast iron
- e. **Working Medium** – Industrial Water having traces of oil
- f. **Flow Rate** – 60kL / Hr.
- g. **Head** – 50m
- h. **Delivery Size** – 150mm
- i. **Maximum Discharge Pressure**: 10 Bar
- j. **Water tank height**: 10m. (Head Variation 3m to 10m)
- k. **Suction point**: 1m above ground level.
- l. **Pump Location**: Ground level
- m. **Duty** – Outdoor Continuous Duty
- n. **Strainer Required** – Yes; individually at the suction of both pumps. Strainer mesh shall be suitable for pump internals.
- o. **Additional Features** – Pumps and Motors must preferably be Energy Efficient Pumps and Motors. **The efficiency class: IE2**
- p. **Motor Protection class**: IP-55
- q. **End Connections** – Required to be supplied along with the Set.