

SPECIFICATION OF PUMP

VERTICAL PUMP (At Oil separation pit)

- 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 common frame for easy erection.
- c. **Preferred Type of Pumps** – Vertical turbine pump above floor delivery.
- d. **MOC:** Graded cast iron
- e. **Working Medium** – Industrial Water having traces of oil
- f. **Flow Rate** – 60kL / Hr.
- g. **Head** – 70m
- h. **Delivery Size** – 100mm
- i. **Pit Depth:** 4.3m below ground level.
- j. **Suction point:** 3.5 m below ground level
- k. **Pump Location:** Two nos. pump on a Pit size of 2.1m X 3.0m X 4.3 m at Ground level.
- l. **Strainer Required** – Yes; individually at the suction of both pumps. Strainer mesh shall be suitable for pump internals.
- m. **Additional Features** – Pumps and Motors must preferably be Energy Efficient Pumps and Motors. **The efficiency class: IE2**
- n. **Motor Protection class:** IP-55
- o. **Duty** – Outdoor Continuous Duty
- p. **End Connections** – Required to be supplied along with the Set.