

ETP SYSTEM

(EFFLUENT TREATMENT PLANT)

It follows the pollution control norms by cleaning and recycling waste WATER.

DESCRIPTION :

- **Duty :** to transfer the waste water from sump to flash mixer.
- **Driving method :** direct coupled centrifugal type.
- **Driving machine :** electric motor 0.25 h.p.
- **Material of construction :** c.i. kirloskar
- **Capacity discharge :** 0.50 – 0.75 l.p.s. horizontal
- **Head :** 4 – 5 m
- **No. of units :** one
- **Make :** kirloskar
- **Material of construction :** mild steel
- **Dimension of a/tank :** 2.0 m x 1.0 m x 1.0 m
- **Time of retention :** 14.0 Hrs.
- **Oxygen transfer system :** with fine bubble with bio-pac media.
- **Power required :** 1.0H.P.
- **Lifting system of effluent :** with gravity
- **Effective volume of aeration tank :** 3.25 to 5.25 kl
- **Capacity :** 1.25 m³
- **S.W. depth of tank :** 0.5 m
- **No. of unit :** 1 No.

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BENEFITS :

- At the end of each process steam is pushed in the reactor to push out the hydrocarbon gas from the reactor for safety purpose & to cool down the temperature and for cleaning the pipelines during the process,
- Moisture from the oil is taken out and water generated from moisture is treated and water is reused in the system

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