

# 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 m<sup>3</sup>
- **S.W. depth of tank** : 0.5 m
- **No. of unit** : 1 No.

**FH FABHIND**



## 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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