Case study : Revamp of 550 KLD STP at MY HOME CONSTRUCTIONS PVT LTD, Hyderabad

TRANSCEND CLEANTEC PVT. LTD.

TRANSCHIP3.0 HIGH PERFORMANCE HIGH SURFACE AREA MBBR MEDIA



INSTALLATION AT – MY HOME Construction STP, DELHI

- INFLUENT PARAMETERS
 - 1. FLOW 550 KLD
 - 2. BOD 300 ppm
 - 3. COD 640 ppm
- Previous treatment : Green Field Project

Problems faced with previously used media

- BOD, COD to be achieved as per NGT norms.
- satisfactory results on N & P removal to be achieved as per NGT

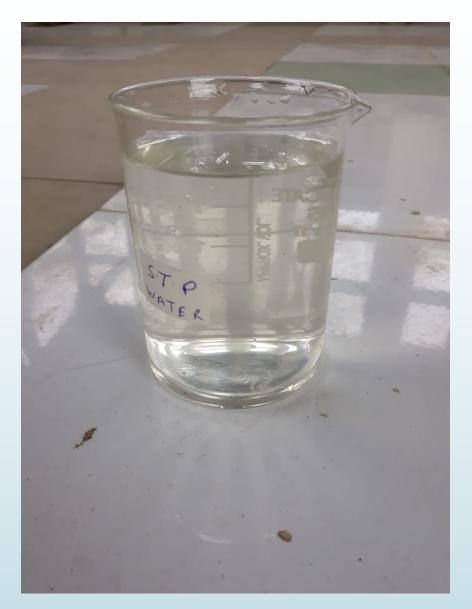
Revamp Design with Transchip3.0

- BODin : 300 ppm
- COD in : 640 ppm
- Nitrogen 60 ppm
- Phosporus: 40
- OIL & Grease : 30
- Available tanks : 170 kl x 1 nos
- Solution provided :
- Tanks used : 70 KL x 1 no
- HRT: 3.05 hours
- Media : 5 m3 per tank
- MLSS achieved : 3000 ppm
- ► F/M achieved : 0.45

Revamp with Transchip3.0 and results observed:-

- BOD, COD are now being controlled efficiently
- BOD of less than 10 ppm and COD of less than 50 ppm were being achieved.
- Transchip3.0 media is properly being retained in the aeration tank by proper media retention screens
- Sludge quantity is reduced considerably as most of the active biomass is in action on the high surface of the media

Results with Transchip 3.0 in action:-



Thank You.....

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