



CENTRAL POLLUTION CONTROL BOARD

Zonal Office (South)

Nisarga Bhavan, Thimmaiah Road
Shivanagar, Bangalore - 560 010

Inspection Report of M/s Tiruchirappalli Sewage Treatment Plant

1	Name & Location of STP	M/s Tiruchirappalli Sewage Treatment Plant Panchappur, Tiruchirapalli
2	Population of the town	916674
3	Process of sewage treatment	Waste stabilization pond
4	Design capacity	88.64 MLD
5	Actual capacity	45 MLD
6	Point of treated sewage disposal	The treated sewage is discharged into Korayar river
7	Annual expenditure on O &M	Rs. 8.00 lakhs

Observations:

- Tiruchirapalli corporation has established an sewage treatment plant at Panchappur village in total area of 574 acres of land. The STP was inspected by Sh. G. Dharmalingam, Sc-“C” during November, 2013
- Tiruchirapalli has a total population of 916674 as per 2001 census.
- The total installed capacity of the facility is 88.64 MLD but currently only 45 MLD of sewage is treated.
- The total length of Corporation road is 1293.59 Kms out of which currently sewer collection lines are laid for 352.4Kms and pumping mains are lid for 49 Kms under UGD scheme. Since the UGD scheme is not laid completely, the STP is under utilized. The schematic diagram of Trichy-Srirangam UGSS project is placed as **Annexure-1**.
- Sewage is treated in Waste stabilization ponds and treated sewage is discharged into Korayar river. Raw sewage is first treated in anaerobic pond for 1 day and then taken to facultative pond where sewage is retained for 4 days. Overflow from facultative pond is treated in polishing pond for 4 days and then the treated sewage is discharged into Korayar river. Flow diagram of Trichy STP is placed as Annexure-2.
- Samples were collected from the inlet and outlet of STP and the analysis results are as follows Copy placed as **Annexure-3**:

S.N	Parameter	Measured value		Standards
		STP inlet	STP outlet	

1	pH	6.8	7.2	6.5-8.5
2	TSS	598	36	100
3	TDS	764	626	-
4	BOD	170	20.9	30
5	COD	520	100	250

- It is clear from the analysis results that the STP is complying with notified standards.

Recommendations: Trichy Corporation may be directed to comply to the following

- To complete the UGD scheme at the earliest
- To operate the STP at full capacity