

BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI

Original Application No. 222 of 2021 (SZ).

IN THE MATTER OF:

J. Jagan Kumar .

..APPLICANT.

Versus

The Principal Secretary, Forest Environment and Ecology
Department, Bangalore and Ors. ..RESPONDENTS.

Next Date 08/02/2022.

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New Delhi

Filled By :-



Date 07/02/2022,

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Report on the measures of BWSSB for preventing the entry of waste water to the Lake.

KR Puram Lake is located on the eastern side of Bangalore city at an elevation of 879.90 meters above MSL with a Latitude of 13.016446N & Longitude 77.6983E having surface area of 64Acres.35Guntas coming under KR Puram constituency and this lake is being maintained by Bruhat Bengaluru Mahanagara Palike. The KR Puram Lake catchment consist of CMC area on all the three sides and National Highway running in periphery on eastern side of this lake. Now Sri J.Jagankumar C/o Renaissance Foundation Bangalore has filed a case in the Honb'le NGT vide Original Application No 222of 2021(SZ) dated 27.10.2021 Chennai stating that untreated sewage is entering the KR Puram Lake and water body of the lake is contaminated. In this connection Honb'le NGT in the order dated 27.10.2021 has constituted a Joint Committee Comprising of (1) Deputy Commissioner Bangalore Urban District, Bangalore (2) District Forest Officer (DFO) (3) Superintending Engineer, Public Works Department (4) Environmental Officer KSPCB. The Committee is entrusted with job to ascertain whether any untreated sewage is being let into the KR Puram Lake and also to ascertain the quality of water of this lake.

Accordingly, this joint committee inspected the sewage entry points of this lake on 29.11.2021 and subsequently convened a meeting on the same day. This joint committee directed the Board to submit the report on measures taken for preventing the entry of untreated sewage to this Lake.

KR Puram Lake is on the Eastern side of Bangalore .There are 03 inlet points to the lake and 01 outlet from the lake. The present condition in the inlet and outlet are as follows:-

1. **Inlet 01** on South western side of the KR puram Lake i.e from KR Puram STP side In this inlet treated water from the two KR Puram STP's is let into KR Puram Lake and there is no untreated waste water entering to Lake from the this side.
2. **Inlet 02** from North western side (Meenakshi Temple side) which convey storm water from CMC areas, to this lake and only during rains the untreated sewage mixed with the rain water enters the Lake.
3. **Inlet 03 and Outlet** – in between the inlet 03 and out let point on North Eastern side of Lake there is a damage to the existing old NP2 class pipeline running adjacent to the lake which is inundated in the lake and with the result waste water through the damaged points from this pipeline is mixed with the lake water and overflowing near the Waste weir of the Lake.

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Under WWM Zone, the following 2 STPs have been established and these STPs' are under Operation & Maintenance.

Sl. No.	Name of the STP	Capacity	Currently Treating
1	K R Puram (Old)	20 MLD	15.30 MLD
2	KR Puram (New)	20 MLD	16.13 MLD
	Total	40MLD	31.43 MLD

In the downstream of these two plants BWSSB has already established a 15 MLD capacity STP at Yellemallappachetty Lake and at present this STP is receiving a sewage of 12 to 13 MLD for treatment. After treatment the sewerage will be let into natural drain.

BWSSB has taken all necessary steps to run these STPs' to their full capacity.

The works mentioned below will be taken up as a remedial measure immediately to prevent the sewage entering to the Lake from KR Puram STP side (Inlet No 2)

- 1) By taking the maintenance works from the WWM Zone for clearing the blockages and desilting work of sewer network for removing silt which was deposited during the recent heavy rains.
- 2) By connecting the any left out house connections /laterals which are discharging directly to the SWD to the sewer network from the Maintenance Zone.

The works mentioned below will be taken as a short term measures to prevent the sewage entering to the Lake near outlet side (Inlet No 3)

The sewage generated from the Lake city Layout, BEML Layout, Rangappanathota / TC Palya Village was conveyed through the 450mm dia NP2 Class pipe which was laid very long back in the KR Puram Lake Bund and it is damaged at outlet point of the lake. Since this pipeline was laid in the lake bed which is inundated in the water now it has sunk at many places and there is no free flow of sewage in the pipeline and it is not possible for repair. In view of the above a new 450mm dia NP3Class RCC sewer pipeline for a length of 450Rmt will be laid at a said location from Rangappanathota to TC Palya signal all along the Lake Bund to link to the newly laid 600mm dia sewer at TC Palya signal under WWM Zone and it is planned to be completed by the end of March 2022.

After completion of the above works and also lateral linking works from Maintenance zone the sewage can be conveyed to Yelemallappachetty STP and sewage leakage in the pipeline near outlet point will be stopped.

After completion of the all above works the direct entry of raw sewage into KR Puram Lake will be reduced and with the result it will be possible to improve the quality of lake water.


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