

# **BANGALORE WATER SUPPLY AND SEWERAGE BOARD**

Action plan for abating pollution of Lakes was submitted to the Hon'ble High Court. The progress achieved from October 2011 to end of December 2011 is herewith submitted.

## **1) REPLACEMENT/ REHABILITATION OF TRUNK SEWER SYSTEM IN THE CORE AREA OF BANGALORE CITY:**

Under Environment Action Plan (EAP) – B scheme, 70 Kms of the existing trunk sewers will be replaced. The replacement will result in diversion of about 180 MLD of wastewater to the treatment plants for treatment. This would reduce the flow of sewage in the Storm Water Drains and also enhances fuller utilization of the capacity of Sewage Treatment Plants (STPs).

Following physical progress has been achieved from October to end of December 2011.

Description	Diameter in mm	Length of pipeline laid as on 30/09/11 in Mts	Length of pipeline laid as on 31/12/11 in Mts	Net progress in Mts
<b>CHALLAGHATTA VALLEY</b>				
Work No. 1	2000	542.50	545.00	2.50
	2400	1923.00	2107.50	184.50
Work No. 2	700	400.00	400.00	0.00
	800	366.60	366.60	0.00
	900	330.00	512.50	182.50
	1000	370.00	587.50	217.50
Work No. 3	800	1156.00	1156.00	0.00
<b>HEBBAL VALLEY</b>				
Work No. 1	600	345.00	440.00	95.00
Work No. 2	900	424.20	424.20	0.00
	1200	695.00	787.50	92.50
Work No. 3	1600	370.00	370.00	0.00
	1800	1555.00	1555.00	0.00
Work No. 4 & 5	400	34.00	34.00	0.00
	900	265.00	265.00	0.00
	1200	523.00	523.00	0.00
Work No. 6	450	80.00	80.00	0.00
	600	1195.00	1195.00	0.00
<b>ZERO FLOW SCHEME (HEBBAL STP COMMAND AREA)</b>				
Work No. 1	450/ 600	2600.00	2910.00	310.00
Work No. 2	450 to 800	2260.00	2700.00	440.00
Work No. 3	600	1025.00	1470.00	445.00
Work No. 4	600	0.00	35.00	35.00
Work No. 5	600/ 700	4300.00	4550.00	250.00
<b>Total</b>		<b>20759.30</b>	<b>23013.80</b>	<b>2254.50</b>

The Financial Progress achieved is as under

Valley	Financial Progress achieved upto September 2011 in ₹ Lakhs	Financial Progress achieved during October, November and December 2011 in ₹ Lakhs	Total upto date progress in ₹ Lakhs
Challaghatta Valley	3359.67	353.33	3713.00
Hebbal Valley	2594.62	819.38	3414.00
Zero Flow work			
Work no. 1	657.00	40.00	697.00
Work no. 2	392.00	266.00	658.00
Work no. 3	650.00	225.00	875.00
Work no. 5	450.00	75.00	525.00
Total	8103.29	1778.71	9882.00

## **2) UNDERGROUND DRAINAGE SYSTEM IN ERSTWHILE CMC/ TMC AREA:**

BWSSB has taken up the work of providing sewerage infrastructure in the erstwhile CMC/ TMC area added to Bangalore City. This will help in capturing the sewage produced in the area leading to treatment in STPs. 2300 Kms of sewerage network is being built for conveying the sewage to the STPs.

### **a) Sewerage Network Progress: Physical**

Sl. No.	Erstwhile ULB area	Total length of pipeline laid upto end of September 2011 in Rmt	Total length of pipeline laid upto end of December 2011 in Rmt	Progress in last three months in Rmt
1.	Byatarayanapura	106270	151930	45660
2.	Mahadevapura	89410	107440	18030
3.	K R Purum	73980	91320	17340
4.	Bommanahalli	92390	130300	37910
5.	Kengeri	11000	13980	2980
6.	R R Nagar	37360	52370	15010
7.	Dasarahalli	103600	171460	67860
8.	Yelahanka	13100	20300	7200
<b>Total</b>		<b>527110</b>	<b>739100</b>	<b>211990</b>

b) Construction of Manhole Progress: Physical

Sl. No.	Erstwhile ULB area	Total number of Manholes constructed upto end of September 2011	Total number of Manholes constructed upto end of December 2011	Progress in last three months in Numbers
1.	Byatarayanapura	4710	5787	1077
2.	Mahadevapura	2472	3009	537
3.	K R Purum	1498	2041	543
4.	Bommanahalli	3109	3987	878
5.	Kengeri	990	1374	384
6.	R R Nagar	220	417	197
7.	Dasarahalli	3136	4764	1628
8.	Yelahanka	265	593	328
<b>Total</b>		<b>16400</b>	<b>21972</b>	<b>5572</b>

c) Financial Progress

Sl. No.	Erstwhile ULB area	Financial Progress achieved upto September 2011 in ₹ Lakhs	Financial Progress achieved during October, November and December 2011 in ₹ Lakhs	Total upto date progress in ₹ Lakhs
1.	Byatarayanapura	2354.91	1475.33	3830.24
2.	Mahadevapura	2355.42	394.10	2749.52
3.	K R Purum	1833.91	189.20	2023.11
4.	Bommanahalli	3502.05	538.29	4040.34
5.	Kengeri	467.71	116.58	584.29
6.	R R Nagar	1106.27	231.02	1337.29
7.	Dasarahalli	2901.32	986.51	3887.83
8.	Yelahanka	272.42	239.19	511.61
	<b>Total</b>	<b>14794.01</b>	<b>4170.22</b>	<b>18964.23</b>

### **3) NEW SEWAGE TREATMENT PLANT AT MADIVALA LAKE:**

After the inspection of the Madivala Lake by the committee on 03-07-2011, Forest Department has handed over 2 Acres of land adjacent to existing treatment plant. For the preparation of DPR, tenders were invited and work of the preparation of DPR was entrusted to M/s. STUP Consultants Pvt. Ltd.

Consultants have submitted the Feasibility Report for establishing the 6 MLD wastewater treatment plant at Madivala. The Feasibility Report contains field investigations, alternate treatment processes, process designs for alternatives, layout plans and abstract cost estimates.

Various alternate treatment processes have been evaluated with respect to the advantages, disadvantages and economics. Activated Sludge Process (ASP) is a proven treatment process and hence the same process has been finalized. The consultants have been asked to prepare the detail designs, drawings, cost estimates and tender documents for the treatment plant based on ASP. Shortly tenders will be invited for the construction of the treatment plant.