

**BEFORE THE NATIONAL GREEN TRIBUNAL,
SOUTHERN ZONE, CHENNAI**

Original Application No.51 of 2015 (SZ)

V. Manickam

... Applicant

-Vs-

The Secretary,
Tamil Nadu Pollution control Board and others.

... Respondents

STATUS REPORT FILED BY THE COMMISSIONER OF SALEM

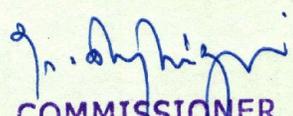
CITY MUNICIPAL CORPORATION

I, T.Christuraj, S/o. Thomas Frank, Indian, aged about 45 years, having office at Salem City Municipal Corporation, Salem – 636 001 do hereby solemnly affirm and state as follows:

1. I am the Commissioner, Salem City Municipal Corporation herein and I am the 6th Respondent herein in the above Original Application and I am well acquainted with the facts of the case as per record.

2. I respectfully submit that this Original Application was filed by the Applicant in the following prayer:

i) To direct the Second, Fourth and Fifth respondents to stop the inflow of contaminated water from the main channel of Thirumanimutharu river that are fed into the two tanks of Kollapatti and Mallasamudram Village of Thiruchengode Taluk, Namakkal District, by closing the feeder channel once and for all.


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ii) To pump fresh water from Mettur dam by replacing the stagnated toxic water from the tanks of Kollapatti and Mallasamudram.

iii) To conduct environmental study by the first and second respondents and stop discharging polluted waste water into the river Thirumanimutharu in its flow of water through its channel from Yercaud Servarayan Hills to its end of Paramathivelur - Cauvery Basin.

3. It is respectfully submitted that this Hon'ble Tribunal passed an order dated 08.06.2021 in Original Application No.51 of 2015 (SZ) among other things inter alia as follows: -

"16. So under such circumstances, we direct the Tamil Nadu Pollution Control Board, Central Pollution Control Board, Salem City Municipal Corporation to file further status report regarding the progress of the work and how much time it will take for completion of the underground sewage system and operation of STP so as to ensure that no untreated sewage water generated in Salem City Municipal Corporation is discharged into the Thirumanimutharu River which is the major source of pollution to the river water."

Subsequently, on 07.01.2022, this Hon'ble Tribunal had directed us to file further progress report. As per this Hon'ble Tribunal Order, I am filling this implementation progress report.

4. It is respectfully submitted on 05.01.2022 the status of Underground Sewerage Scheme herein mentioned in detail. Out of 7 packages 3 packages are collection system viz. package I, II & III.

Out of the above package I & III were completed. As stated in the earlier Status report filed by this respondent, the left out portion of UGSS work in these two packages have been taken up and tender were called on 14.10.2020. In this regard, it is humbly submitted to state that the above work has been allotted to the successful tenderer M/s. VNV Builders (Pvt) Ltd, Gobichettipalayam, Erode.

5. The progress of works got affected due to COVID-19 lockdown and at present the work is in progress and the stage of work is submitted as follows. Out of 10.47 km length of sewer line so far 4.65 km have been laid. Likewise 162nos. of manholes have been constructed as against 390 manholes and 2.79 km length of house service connection pipes were laid out of the total length of 18.88 km. The remaining works pertaining to this contract is in progress scheduled and will be completed before June-2022.

6. It is respectfully submitted that as stated in the previous status reports, the first contract for this package-II collection system was terminated for non-achievement of milestones. The terminated contract company had completed only 48% of the works in that project. For the left-out portion of the work, retender was called on 28.11.2019 and the work was allotted to the successful tenderer, M/s.VVV.Construction (P) Ltd, Chennai on 18.02.2020 at a cost of Rs.85.39 crores. The progress of work got affected due to COVID-19 lockdown and at present, this project is in progress and the stage of work is stated as follows.


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Out of 77.07 km length of sewer line so far 15.52 km were laid. Out of 502 nos. of manholes, 515 nos. of manholes are completed. Regarding house service connection pipes 23.67 km of house service connections were laid out of 87.07 km. At present works are being carried out and the remaining works pertaining to this contract is scheduled and will be completed before August-2022.

PRESENT STAGE OF WORK

A. Collection System

| Components | M/s.VVV Constructions, Chennai - Progress | | | M/s.VNV Builders, Gobichettypalayam - Progress | | |
|---------------------------------|--|----------|---------|---|----------|---------|
| | Target | Achieved | Balance | Target | Achieved | Balance |
| Manholes | 502 Nos | 538 Nos | - | 390 Nos | 170 Nos | 220 Nos |
| Sewer lines | 77.07km | 16.05 km | 61.02km | 10.47km | 5.08 km | 5.39 km |
| House Service connections | 87.07km | 25.67 km | 61.40km | 18.88 km | 2.79 km | 16.09km |
| Project Completion | Will be completed by August-2022 | | | Will be completed by June-2022 | | |

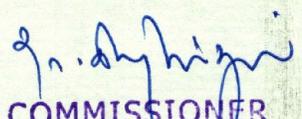
B. House Service connections

| Sl. No. | Name of STP | Total HSC | Now HSC provided | Balance HSC provided | Remarks |
|---------|-------------|-----------|------------------|----------------------|---|
| 1 | Vellakuttai | 10740 | 6681 | 4059 | On completion of UGSS collection system by August-2022. All the STP's will function fully. The House Service Connection Works are in progress and will be completed by - May- 2023. |
| 2 | Anaimedu | 6552 | 4006 | 2546 | |
| 3 | Mankuttai | 29947 | 2207 | 27740 | |

| | | | | | |
|-------|-------------|-------|-------|-------|---|
| 4 | Vandipettai | 36983 | - | 36983 | Trial Run is in Progress, feeder main Laying in progress and HSC will commence by August - 2022 |
| Total | | 84222 | 12894 | 71328 | |

C. Sewage treatment Plant

| Sl. No. | Name of STP | Installed capacity (MLD) | Now treatment made (MLD) | Treatment Gap. (MLD) | Remarks |
|---------|-------------|--------------------------|--------------------------|----------------------|---|
| 1. | Vellakuttai | 13.00 | 12.00 | 1.00 | On completion of UGSS collection system by August-2022. All the STP's will function fully collection system Works are in progress and will be completed by May-2023. |
| 2. | Anaimedu | 6.00 | 5.00 | 1.00 | |
| 3. | Mankuttai | 35.00 | 10.00 | 25.00 | |
| 4. | Vandipettai | 44.00 | 1.00 | 43.00 | Trial run is progress Laying of feeder main is in progress. This work is carried out by controlled blasting and narrow streets(Old Town) and will be completed by August 2022 and simultaneously STP will start functioning by August 2022. |
| Total | | 98.00 | 28.00 | 72.00 | |


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D. ACTION PLAN

ACTION PLAN FOR UGSS COLLECTION SYSTEM (M/s. VNV BUILDERS (P) Ltd.,

| S. No | Description of work | Units | Agreement Qty | Progress Done | Balance Qty | April-22 | May-22 | June-22 |
|-------------------------------|---------------------------------|-------|---------------|---------------|-------------|----------|--------|---------|
| | RCC manhole | Nos | 390 | 170 | 220 | 80 | 70 | 70 |
| DWC Sewer line pipe | | | | | | | | |
| 2 | 200mm | RM | 8204 | 3480 | 4724 | 1360 | 1500 | 1864 |
| | 250mm | RM | 290 | 0 | 290 | 200 | 90 | 0 |
| RCC Pipe | | | | | | | | |
| 3 | 450mm | RM | 561 | 561 | 0 | 0 | 0 | 0 |
| | 600mm | RM | 108 | 95 | 13 | 13 | 0 | 0 |
| | 700mm | RM | 822 | 822 | - | - | - | - |
| | 800mm | RM | 80 | 0 | 80 | 0 | 0 | |
| | 900mm | RM | 409 | 409 | 0 | 0 | 0 | 0 |
| HSC | | | | | | | | |
| 4 | Domestic Connection | Nos | 2991 | 328 | 2663 | 860 | 900 | 903 |
| | Non Domestic | Nos | 157 | 137 | 20 | 10 | 10 | - |
| 5 | Inspection Chamber | Nos | 6148 | 168 | 5980 | 1994 | 1993 | 1993 |
| 6 | Lift Station (civil works) | Nos | 12 | 2 | 10 | 4 | 3 | 3 |
| 7 | Lift Station (mechanical works) | Nos | 12 | 0 | 10 | 4 | 3 | 3 |
| Pumping main(CI pipes) | | | | | | | | |
| 8 | 150mm dia | RM | 831 | 0 | 831 | 200 | 300 | 150 |
| | 350mm dia | RM | 201 | 0 | 201 | 0 | 101 | 40 |
| | 400mm dia | RM | 368 | 0 | 368 | 100 | 100 | 100 |

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**ACTION PLAN FOR UGSS COLLECTION SYSTEM M/s.VVV Construction Private
Limited)**

| Sl. No | Description of work | Agmt qty | Completed as on March 2022 | Balance qty | Apr '22 | May '22 | June '22 | July '22 | Aug '22 |
|--------|-----------------------------|----------|----------------------------|-------------|---------|---------|----------|----------|---------|
| 1 | Manhole construction | | | | | | | | |
| | a) Brick work manhole | | | | | | | | |
| | 1.Rectangular | 83 | 387 | | | | | | |
| | 2.Circular | 277 | 18 | | | | | | |
| | | 360 | 405 | - | - | - | - | | |
| | b) Rcc manhole | | | | | | | | |
| | 1.Circular | 101 | 133 | | | | | | |
| | 2.Drop | 41 | 0 | | | | | | |
| | | 142 | 133 | 41 | 41 | | | 21 | 20 |
| 2 | Sever line laying | | | | | | | | |
| | 1) stone ware pipe | | | | | | | | |
| | 1) stone ware pipe | | | | | | | | |
| | a. 200mm diaswp | 30319 | 107594 | 19559.6 | 3910 | 3910 | 3910 | 3910 | 3919.6 |
| | b. 250mm diaswp | 9394 | 0 | 9394 | 1878 | 1878 | 1878 | 1878 | 1882 |
| | c. 300mm diaswp | 8263 | 409.4 | 7853.6 | 1570 | 1570 | 1570 | 1570 | 1573.6 |
| | 2) Rcc pipes | | | | | | | | |
| | a. 200mm Rcc pipe | 6224 | 1363.65 | 4860.35 | 972 | 972 | 972 | 972 | 972.35 |
| | b. 250mm Rcc pipe | 1162 | 0 | 1162 | 232 | 232 | 232 | 232 | 234 |
| | c. 300mm Rcc pipe | 1153 | 843.35 | 309.65 | 60 | 60 | 60 | 60 | 69.65 |
| | d. 400mm Rcc pipe | 3240 | 1300.6 | 1939.4 | 388 | 388 | 388 | 388 | 387.40 |
| | e. 450mm Rcc pipe | 2264 | 0 | 2264 | 450 | 450 | 450 | 450 | 464 |
| | f. 500mm Rcc pipe | 8392 | 696.06 | 7695.94 | 1540 | 1540 | 1540 | 1540 | 1535.94 |
| | g. 600mm Rcc pipe | 662 | 142.9 | 519.1 | 110 | 110 | 110 | 110 | 79.10 |
| | h. 700mm Rcc pipe | 3924 | 0 | 3924 | 785 | 785 | 785 | 785 | 784 |
| | i.800mm Rcc Pipe | 622 | 132.5 | 489.5 | 98 | 98 | 98 | 98 | 97.3 |
| | j. 900mm Rcc Pipe | 110 | - | 110 | - | - | 55 | 55 | - |
| | k.1000 mm Rcc Pipe | 1426 | 40 | 1386 | 250 | 250 | 250 | 250 | 386 |

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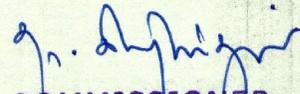
| | | | | | | | | |
|---------------------|-----|--------|--------|----|----|----|-----|-------|
| l. 1100 mm Rcc Pipe | 165 | - | - | - | - | 65 | 100 | - |
| m. 1200mm Rcc Pipe | 250 | 270.85 | - | - | - | - | - | - |
| n. 1400 mm Rcc Pipe | 325 | 94.5 | 226.50 | 45 | 45 | 45 | 45 | 46.50 |

PRESENT STATUS OF SEWAGE TREATMENT PLANTS

It is further submitted that out of four Sewage Treatment Plants the construction and treatment arrangement work for the Sewage Treatment Plants at Vellakuttai, Anaimedu and Mankuttai are completed and the balance STP at Vandipettai, trial run is in progress.

| S.No | Name of the STP. | Capacity | Status | Remarks |
|------|------------------|----------|--|---|
| 1. | Vellakuttai STP | 13 MLD | Extension of operation on CTO in progress with PCB | Established, Commissioned and in operation. Out of designed quantity of 10,740 Nos. of House Service Connections so far 6,681 No's. have been given and balance 4,059 Nos., of connections are under progress. Samples of Treated sewage was submitted to TNPCB during the month of Feb 2022 and reveals that the treated sewage meets the standards as prescribed. Also, it is submitted that samples of |

| | | | | |
|----|--------------|-------|---|---|
| | | | | <p>treated effluent are periodically checked in the on-situ laboratory established in the Vellakuttai STP considering COD & BOD parameters based with to the TamilNadu Pollution Control Board Norms.</p> |
| 2. | Anaimedu STP | 6 MLD | <p>Extension of operation on CTO in progress with PCB</p> | <p>Established, Commissioned and under operation. Out of 6,552 Nos. 4,006 Nos. of House Service Connections have been given and balance 2,546 Nos. of connections are under progress. It is submitted that the samples of Treated Effluent was submitted to PCB and the report analysis of TNPCB reveals that the parameters have not exceeded the Prescribed limits.</p> |


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| | | | | |
|--------------|--------------------|---------------|---|---|
| 3. | Mankuttai STP | 35 MLD | CTO obtained | Established, Commissioned and under operation. Out of 29,947 Nos. of House Service Connections so far 2,207 Nos have been given and balance 27,740 No. of connections are under progress. Samples of treated effluent have been submitted to PCB and the results adhere to PCB standards. |
| 4 | Vandipettai STP | 44 MLD | CTE obtained & CTO applied and in progress | Established and Trial run under progress, Laying of Trunk sewer collection system is in progress. This area is densely occupied (old Town) and sewer laying work is carried out by controlled blasting. This STP will function from August 2022. |
| Total | | 98 MLD | | |

a) It is submitted that, in Zone-I, Suramangalam, area 10.00 MLD of sewage collected through the sewer lines enters

Mankuttai STP. The parameters on the treated effluent such as BOD & COD, the norms fixed by TamilNadu Pollution Control Board are being adhered and the treated effluent is let into Thirumanimutharu River.

b) In Zone-2, Hasthampatty area, quantity of sewage entering the STP at Anaimedu is 5.00 MLD, and the parameters of treated effluent such as BOD & COD are maintained as per the norms fixed by TamilNadu Pollution Control Board and the treated effluent is let into River Thirumanimutharu.

c) In Zone-3, Ammapet area, quantity of sewage entering into the Vellakuttai STP is 12.00 MLD, and the parameters of the treated effluent such as BOD & COD are maintained as per the norms fixed by TamilNadu Pollution Control Board and the treated effluent is let into the River Thirumanimutharu.

d) In Zone-4, Kondalampatty comprising partly Ammapet and Hasthampati areas, will be connected to the STP at Vandipettai. At present 1.00 MLD of sewage collected through the sewer line laid near Vandipettai STP area is now treated as a trial run and the levels of BOD& COD are maintained as per TamilNadu Pollution Control Board norms. Laying of trunk Sewer towards this treatment plant is in progress and this STP will increase its treatment capacity and will function in full swing by May-2022.

7. I submit that as on date, 4 Nos of STPs, with a total capacity of 98 MLD, a quantity of 28.00 MLD is now treated. In these system, out of 84,222 nos of HSC's so for 12,894 Nos. of

HSCs has been provided and from which 28.00 MLD is being treated through these STPs. By May-2023 it is scheduled to connect the remaining House holders with new Sewer line Connections. The samples of treated effluent are periodically checked by in-situ labs at respective STP's at Vellakuttai, Mankuttai and Anaimedu. Parameters like COD & BOD are adhered as per the norms fixed by TamilNadu Pollution Control Board on the treated effluent.

8. Further, it is submitted that Laying of sewer mains works are in progress and are carried out in the arterial areas. On this progress of sewer laying & effecting of House service connections, the quantity of treated sewage is increased. It is submitted that on completion of the scheme only treated effluent will be let in the Thirumanimutharu River and no untreated sewage will enter the River.

9. It is submitted that, in continuation with the Hon'ble Tribunal directions under 15th Central Finance Commission, Six projects have been taken up at a cost of Rs.109.20 lakhs to block/ intercept raw run off entry into River Thirumanimutharu and to divert them into the nearby sewer system which in turn leads to STP for treatment. Tender for two works have been (Rs. 94.00 Lakhs) received on 03.12.2021 and the interception work has been started and are in progress(Photos attached). This work will be completed by June 2022.

10. It is submitted that, as per directions of Pollution Control Board, "No objection" certificate has been obtained from Public works Department, Sara Banga Ground Water Sub-Division to dispose the

treated effluent into River Thirumanimutharu and is fit for Agricultural purpose.

11. As submitted in the previous status report, A Detailed Project Report on Implementation of Under Ground Sewerage System to the left out areas and added areas of Salem Corporation has been prepared to lay sewer lines to a length of 470Km an estimate cost of Rs.800Cr. and has been submitted to Government and is under scrutiny.

On sanction, this project will be implemented in the left out areas and uncovered areas of Salem Corporation. Thereby, further ensuring complete restriction of entry of raw sewage into Thirumanimutharu River.

12. It is submitted that, by constructing Interception and Diversion drains, considerable steps have been taken to avoid direct entry of raw sewage into the Thirumanimutharu River. It is also submitted that permanent pollution prevention action by implementing UGSS to uncovered areas and added areas of Salem Corporation will be taken up at a cost of 800cr at present Interception and diversion works will be completed by June 2022 thereby the entry of raw sewage into of River Thirumanimutharu will be totally prevented.


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Under the above circumstances, it is humbly prayed before this Hon'ble Tribunal that, all the necessary steps have been taken up by Salem Corporation and the Status Report submitted may please be taken on file and such suitable orders may be passed and thereby render justice.


**Commissioner,
Salem City Municipal Corporation.**

VERIFICATION

I, T.Christuraj, S/o. Thomas Frank, Commissioner, Salem City Municipal Corporation, Salem, do hereby submit that the contents of above report are true to the best of my knowledge through records.

Verified at Salem, on this 7th day of April, 2022.


**Commissioner,
Salem City Municipal Corporation.**