

## **REPORT ON WORKS TAKEN UP BY CMWSSB UNDER CRRT -- ADYAR**

As part of eco restoration of River Adyar, CRRT has proposed Interception and Diversion arrangements of sewer outfalls into nearby collection system of CMWSSB or its Sewage Pumping Station or STPs.

CMWSSB has taken up 7 Interception & Diversion proposals and 3 Modular Sewage Treatment Plants to mitigate the flow of sewage into River Adyar.

**Package I:** CH: 2000 to CH: 4000 – SWR 1 and SWR 2

### **Proposals:**

The work under Package-I includes, Interceptors and Diversion of Sewage at Adyar and Kotturpuram reach from Chainage 2000 to 4000, Right Bank of Adyar River.

4 nos of storm water drain in Kotturpuram Reach (SWR 2) and 5 Nos of storm water drain in Adyar Reach(SWR 1) are to be intercepted by laying sewer line and collecting the discharge through the pumping main to the proposed storm water tank, Equalisation tank and then treat the same in Modular STP of capacity 2 x 0.3 MLD at Ch 3000 proposed under Package -VIII and discharge the effluent in Adyar River.

### **Areas Covered:**

Maligaipoo nagar area of Depot 175 and river view road, Ellaiammankoil Street, Lock street and Pondicherry road area of Depot 172 are covered under this package.

### **Contract Details:**

The work has been awarded to M/s. Nagarajan Construction Company Pvt. Ltd. at a contract value of Rs. 11.28 Core on 06.03.2019 with contract period of 18 months. The work commenced on 25.09.2019. All works completed and inaugurated by Hon'ble Chief Minister by 22.11.2022.

**Package III:** CH: 3300 to CH: 4500 - SWL-2 , SWL-3 , SWL-4

### **Proposals:**

The work under Package-3 includes

Providing sewage facilities to Radhakrishnapuram slum, Phughs road between chainage 3300 and 3500 in left bank of Adyar bund and collecting the sewage in the pumping station to be constructed at chainage 3500 and laying 150mm dia CI pumping main from this pumping station to existing South Kesava Perumal Puram pumping station. Diversion of sewage flowing through storm water drain in Turnbolls road at Chainage 4300 in left bank and Nandanam extension main road at chainage 4500 in left bank by constructing a leaping weir in the storm water drain and diverting the flow into the nearest existing sewer system.

**Areas Covered:**

Pughs Road, Austin Nagar St, Radhakrishnapuram, Greenways Road, Nandanam Extension area and Turn bulls road in Depot 122 are covered under this package.

**Contract Details:**

The work has been awarded to M/s Thiru. K.Mahendran Consortium with M/s Classic Engineering Enterprises at a contract value of Rs. 3.01 Core with contract period of 18 months. The work commenced on 25.09.2019. All works completed and inaugurated by Hon'ble Chief Minister by 22.11.2022.

**Package IV: CH5400 and CH5700(SWR 4)- right bank in Area XIII**

**Proposals:**

The work under Package-IV includes "Temporary treatment of Mambalam Canal @CH5400 and Sewage outfalls to be plugged behind Anna Centenary library @ CH5700(SWR 4)- right bank in Area XIII and allied works.

**The components of work are:**

- 1) Temporary interception and diversion of sewage water from Mambalam canal through trough to collection well on Left bank of Adyar at Chainage 5400.
- 2) Construction of an Collection well of 250cu.m and Equalization tank of 600 cum capacity on Left bank of Adyar at Chainage 5400from where sewage water is transmitted to proposed Modular STPs at existing Toddhunter Nagar SPS site.

**Areas Covered:**

Existing Toddhunter Nagar SPS of Depot 171 in Area XIII is covered under this package.

**Contract Details:**

The work has been awarded to M/s.Vedas Infratech Consultant Pvt.Ltd.,at a contract value of Rs. 4.32 Crore on 11.06.2019 with contract period of 18 months. The work could not be taken up due to Covid -19 Pandemic and the work was commenced on 25.01.2021. All works completed and inaugurated by Hon'ble Chief Minister by 22.11.2022.

**Package V: CH: 8200 to CH: 10850 – SWR 5 and SWR 6****Proposals:**

- The Package V of I&D works, estimate value Rs. 18.73cr include 2 nos of Interception works comprising collection system of 400mm to 1000mm dia CI pipes with 102 Nos of Manholes for a total length of 3182m from Alandur to Jafferkhanpet foot bridge on the Right Bank of River Adyar. There are 9 nos of outfalls to be plugged on either side of 100 feet road.

**Components of Work:**

- Laying of collection system of 400mm to 1000mm dia CI pipes – 3182m
- Construction of RCC Manholes – 102Nos
- Laying of 150mm dia CI Pumping main from Kalaimagal Nagar Lift Station to Ekkattuthangal SPS – 940m
- Laying of 150mm dia CI Pumping main from SIDCO North phase Terminal SPS to SIDCO Labour colony SPS - 960
- Construction of Pumping Stations – 2 Nos

**Areas Covered:**

- Right Bank of Adyar River from CH8200 to 10850 along Defense Colony, Kalaimagal Nagar and SIDCO Industrial Estate under the Jurisdiction of Depot 170, Area XIII are covered under this package.

**Contract Details:**

- The work has been awarded to Th. G.Shrirangarayan for a contract value of Rs14.03 cr with contract period of 18 months. The work was commenced on 25.09.2019, works are completed in all aspects on 31.01.2022 and 9Nos of Outfalls plugged.

**Package VI:** CH: 8100 to CH: 11000 – SWL 5 and SWL 6.

**Proposals:**

The work under Package-VI includes Laying of Interception and Diversion of Sewage at SamiyarThottam and Jafferkhanpet(SWL 5&6) from CH 8100 to 11000, Left Bank, Diversion works to Existing Sewer Network at Jafferkhanpet(SWL 7) at CH 9900, Left Bank and Allied works in Area.

As per the proposal,5 outfalls at Jafferkhanpet (SWL 6) and 4 outfalls at Saidapet (SWL5) have to be plugged. Modular STP of capacity 6 x 0.4 MLD at Ch 8300 was proposed to treat the sewage collected through pumping mains from the outfalls.

However alternate proposal have been identified due to site constraints to convey the collected sewage to Existing sewage pumping station at Jafferkhanpet for Outfalls of SWL-6 and Nerupumedu pumping station for outfalls of SWL-5.Hence the proposed Modular STP at Ch 8300 has been dropped .

**Areas Covered:**

RV Nagar, Sarathynagar and Jothiramalingamnagar area of Depot 139 and Abithcolony, Samiyarthottam, Chettythottam and Jothiammalnagar area of Depot 170 are covered under this package.

**Contract Details:**

The work has been awarded to M/s.Nagarajan Construction Company Pvt.Ltd.at a contract value of Rs. 10.624 Core on 10.07.2019 with contract period of 18 months. The work commenced on 05.02.2020. All works completed and inaugurated by Hon'ble Chief Minister by 22.11.2022.

**Package VII:** “Laying of Interceptors and Diversion of sewage at Nandambakkam”.

**Proposals:**

The work under Package-VII includes

1. Construction of Sewage Pumping Station at Nandambakkam (IDPL land) near River view road with suction well - 3.5m dia, grit well - 2.5m dia and allied works
2. Construction Road side Pumping Staion near MGR nagar (CRRT well) with Screen cum Suction well - 2.5m dia and allied works

3. Supplying and laying of 150mm dia C.I. pumping main for a length of 350m from Roadside SPS (near MGR nagar) to proposed Nandambakkam SPS.
4. Supplying and laying of 350mm dia C.I. pumping main for a length of 850m from Nandambakkam SPS to Manapakkam Pumping station at River View Road which is under construction in Manapakkam UGSS.
5. Interception & Diversion of Outfalls – 5 Nos (AR-12650, AR-12800, AL-13380, AL-13400 & AL-13500)

**Areas Covered:**

Depot 158 in Area XII is covered under this package.

**Contract Details:**

The work has been awarded to Th.Radhakrishnan at a contract value of Rs.2.57 Core on 03.03.2022 with contract period of 15 months. The works are commenced on 01.04.2022 and the work is under progress.

**Progress of Work (As on 08.03.2023)**

- |                                |              |
|--------------------------------|--------------|
| 1. Physical progress           | - 91%        |
| 2. Financial progress          | - 35.65%     |
| 3. Probable date of completion | - 30.06.2023 |

**Package VIII:** “Design, Supply, Installation, Testing and commissioning of Modular STPs for 2 nos x 0.3 MLD capacity in Adyar and Kotturpuram at Ch- 3000, Right bank including Operation and Maintenance for 5 years in Area XIII”.

**Proposals:**

The work under Package-VIII includes Design, Supply, Installation, Testing and Commissioning of 2 Nos. of Modular STPs each 0.3 MLD capacity for treating 0.6 MLD of wastewater from 9 outfalls at CH 3000, Right Bank including Operation & Maintenance for 5 Years in Area XIII and allied works.

**Areas Covered:**

4 nos of storm water drain in Kotturpuram area and 5 Nos of storm water drain in Adyar area is covered under this package.

### **Contract Details:**

The work has been awarded to M/s.Ensys Technologies (I) Pvt.Ltd., at a contract value of Rs. 3.97 Core on 19.10.2020 with contract period of 18 months. The work commenced on 10.12.2020. All works completed and inaugurated by Hon'ble Chief Minister by 22.11.2022.

**Package X:** "Design, Supply, Installation, Testing and Commissioning of Modular STPs for 10 Nos X 0.4 MLD Capacity for Mambalam major drain at CH 5400, Left Bank including Operation & Maintenance for 5 Years in Area XIII and allied works".

### **Proposals:**

The work under Package-X includes Design, Supply, Installation, Testing and Commissioning of 10 Nos. of Modular STPs each 0.4MLD capacity for treating 4 MLD of wastewater from Mambalam major drain at CH 5400, Left Bank including Operation & Maintenance for 5 Years in Area XIII and allied works.

### **Areas Covered:**

Existing Toddhunter Nagar SPS of Depot 171 in Area XIII is covered under this package.

### **Contract Details:**

The work has been awarded to M/s.Ensys Technologies (I) Pvt.Ltd., at a contract value of Rs. 12.62 Core on 07.02.2020 with contract period of 18 months. The work could not be taken up due to Covid -19 Pandemic and the work was commenced on 05.11.2020. All works completed and inaugurated by Hon'ble Chief Minister by 22.11.2022.

**Package XI:** "Interception and Diversion of MGR Drain at Confluence point".

### **Proposals:**

The work under Package-XI includes

1. Interception and diversion of MGR Drain.
2. Construction of collection well near MGR Drain.
3. Strengthening of pumping main from AnnaiSathya Nagar SPS to Nesapakkam SPS.

**Areas Covered:**

Existing Annai Sathya nagar of Depot 131,137 and 138 in Area X is covered under this package.

**Contract Details:**

The work has been awarded to M/s. Thirumalai Enterprises at a contract value of Rs.1.35 Core on 09.09.2021 with contract period of 18 months. The works are commenced on 27.01.2022 and the work is under progress.

**Progress of Work (As on 08.03.2023)**

- |                                |              |
|--------------------------------|--------------|
| 4. Physical progress           | - 93%        |
| 5. Financial progress          | - 60.46%     |
| 6. Probable date of completion | - 26.07.2023 |

**Package XV:** “Kundrathur Drain - Design, supply, installation, testing and commissioning of modular STP in Karaima Nagar for 2x0.4MLD capacities and Construction of lift station and Supplying & Laying 150mm dia CI pumping main from Lift station to Karaima Nagar Modular STP including O&M period for 5 years”.

**Proposals:**

The work under Package-XV includes “Design, supply, installation, testing and commissioning of modular STP in Karaima Nagar for 2 x 0.4MLD capacities and Construction of lift station and Supplying & Laying 150mm dia CI pumping main from Lift station to Karaima Nagar Modular STP including O&M period for 5 years”.

**Areas Covered:**

Kundrathur Area is covered under this package.

**Contract Details:**

The work has been awarded to M/s. Ensys Technologies (I) Pvt.Ltd., in consortium with Th. E. Saravanan. at a contract value of Rs. 7.61 Core on 29.03.2022 with contract period of 18 months. The work commenced on 01.09.2022 is under progress and scheduled date of completion is 01.03.2024 .

**Progress of Work (As on 08.03.2023)**

- |                                |              |
|--------------------------------|--------------|
| 1. Physical progress           | - 15%        |
| 2. Financial progress          | - 0.05%      |
| 3. Probable date of completion | - 01.03.2024 |