

# National Mission for Clean Ganga

Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018  
(in compliance to NGT order dated 24.09.2020)

For the State of Telangana for the months of January and February, 2021

## Overall status of the State:

- I. Total Population: Urban Population & Rural Population separately: 3.9 crores
- II. Estimated Sewage Generation (MLD): 2613MLD
- III. **Details of Sewage Treatment Plants(STPs):**
  - Existing no. of STPs and Treatment Capacity (in MLD) : 31 Nos & 888.55 MLD
  - Capacity Utilization of existing STPs :735.8 MLD
  - MLD of sewage being treated through Alternate technology : One pilot project under Implementation and Rain guard / wet land construction on Kukatpally nala.
  - Gap in Treatment Capacity in MLD : 1724.45
  - No. of Operational STPs : 29 Nos
  - No. of Complying STPs : 29 Nos
  - No. of Non-complying STPs : Nil

**Details of each existing STP in the State:** 31 STPs with a capacity of 888.55 MLD and the details are placed at Annex-I

**Details of under construction STPs in the State:** 17 STPs with a capacity of 210.4 MLD are under different stages and the details are placed as Annex-II. The tender notification was issued for construction of the STPs under Priority I & II on HAM mode for 17 STPs with a capacity of 376.5MLD and agency is finalized, the works will commence in 1<sup>st</sup> week of April.

**Details of proposed STPs in the State:** 103 STPs (31 proposed in the Priority I & II stretches with a capacity of 1259.5 MLD and 72 in Priority III to V stretches with a capacity of 315 MLD and the details are placed at Annex-III. Out of which 17 STPs agency is finalized and works are likely to commence from April, 2021. The proposals for remaining STPs are in different stages.

## IV. **Details of Industrial Pollution:**

- No. of industries in the State: **10655 Nos. ( Including Red, Orange, Green and white)**
- No. of water polluting industries in the State: **2178 Nos**
- Quantity of effluent generated from the industries in MLD: **603 MLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD:

<b>Recyclable Waste (TPA)</b>	<b>88,871</b>
<b>Incinerable Waste ( TPA)</b>	<b>2,203</b>
<b>Utilisable waste (TPA)</b>	<b>1,48,466*</b>
<b>Landfillable Waste (TPA)</b>	<b>1,12,451</b>
<b>Total:</b>	<b>3,51,992.</b>

**\*Out of total utilisable waste generated, 1,23,062 Tons has disposed to AFRF facilities / cement plants for pre-processing / co-processing and remaining balance 25,404 Tons has disposed to handmade paper industries/others.**

- Number of industrial units having ETPs: **1519 (including 84 ZLD)**
- Number of industrial units connected to CETP: **674 Industries with 6.2 MLD**
- Number and total capacity of ETPs (details of existing/ under construction / proposed) : **1519 (including 84 ZLD) with capacity 593.85 MLD.**
- Compliance status of the ETPs: Total industries requiring ETPs are **2178, out of which 2167 units have functional ETPs (including the CETP members) of which 2110 are meeting the standards. 57 industries are not complying and closure directions to 34 units and show cause notice to 23 units. 11 units which are operated without the ETP were issued with closure directions.**
- Number and total capacity of CETPs (details of existing/ under construction / proposed): **4 Nos under operation with capacity 7.0 MLD/ 1 No under construction with capacity 480 KLD. One CETP is under construction with a capacity of 0.5MLD capacity is under construction and is likely to be completed by June, 2021.**
- Status of compliance and operation of the CETPs

Town	No. of industries	Industrial Discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Telangana	2178	603 MLD	<b>1519 (including 84 ZLD) with capacity 602.35 MLD.</b>	<b>4 Nos under operation with capacity 7.0 MLD/ 1 No under construction with capacity 480 KLD by June 2021</b>

#### **V. Solid Waste Management:**

- Total number of ULBs and their population: 141 & 1.36 crores
- Current Municipal Solid Waste Generation: 9285 TPD (As per Annual Report 2019-20)
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc:

Sl. No.	Composting/ Vermin-composting (63)	Dry Resource Collection Centres (31)	Biogas (3)	RDF/Pelletization (1)
1)	140 ULBs	139 ULBs	Greater Warangal Municipal Corporation	<ul style="list-style-type: none"> <li>• M/s. Integrated Municipal Solid Waste Management Project, (proposed by GHMC), Sy.No.173, Jawaharnagar (V), Shameerpet (M), Medchal-Malkajgiri District has established compost plant &amp; RDF for processing MSW of 3600 TPD.</li> <li>• The Greater Hyderabad Municipal</li> </ul>

				Corporation (GHMC) has constructed the sanitary landfill facility and operating the same
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**Waste – to – Energy Plants: (Number/names of towns/capacity)**

Sl. No.	Plant Location	Status of Operation	Power generation (MW)	Remarks
1	19.8 MW Capacity at Jawaharnagar	WtE is commissioned in August 2020	19.8 MW	The TSPCB issued CFO vide letter dated 15.07.2020 with validity upto 31.03.2025 to M/s Hyderabad Integrated Waste Management project to operate Waste to Energy Plant of capacity 19.8 MW in the name of M/s. Hyderabad MSW Energy Solutions Pvt. Ltd (Unit-1).
2	11 MW Waste to Energy Capacity Chennaravulapally, Bibi Nagar (M/s RDF Power Projects)	Undergoing pre-commissioning activities.	11.0 MW	Presently, the industry has not commissioned due to financial issues. (IL & FS)
3	12 MW Waste to Energy Capacity Yacharam, Ibrahimpatnam	Permission for granting extension of time to agency(M/s. SVGPPPL) for entering into PPA. with TSSPDCL is under examination of GHMC	12.0 MW	
4	14.5 MW Capacity at Dundigal	Construction works have not yet started.	14.5 MW	The Board issued CFE for establishment of Waste to Energy Plant of capacity 14.5 MW at Dundigal in the name of M/s. Hyderabad MSW Energy Solutions Pvt. Ltd (Unit-2).

**Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

- i. Initiated on-site composting across the state of Telangana for Bulk Waste generators and Individual Households.
- ii. Enhancing capacities of DRCC to meet 100% Dry Waste handling within 6 months.
- iii. 2 agencies – M/s Cube Bio-Energy and M/s Sagar Motors have been shortlisted and are proposed to provide MSW processing facilities in 52 ULBs. Balance 78 ULBs are grouped into 5 clusters and tender is in process to select agency(/ies) for undertaking MSW

processing work. Last date for tender submission was 3<sup>rd</sup> Nov--2020. Bids from 9 bidders are received and the Bid-evaluation is currently under process.

iv. Further, timeline for completion of 100% MSW processing facilities in 52 ULBs is 9 Months and 78 ULBs is one year

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction):
  - One C&D recycling plant with 500 TPD capacity at Jeedimetla in GHMC area is commissioned in the month of September 2019. Another C&D recycling plant with 500 TPD capacity at Fathullaguda is under construction. Greater Warangal, Karimnagar, Nizamabad and Khammam corporations have identified land.
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source: 3618 wards. 100 % D2D. source segregation is around 53%.
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology):
  - i. Processing facilities is proposed in 140 ULBs  
Capacity of processing plants in proposed ULBs: 2,987 TPD  
Technology proposed:
    - Composting / Vermi-composting in 140 ULBs
    - Warangal Municipal Corporation has 2 Nos. of Bio Methanation projects with capacity of 1 TPD to operate power plant of capacity 24 KW (each) per day.
  - ii. ULBs having existing processing facilities are excluded from the tender process. These are: (i) Suryapet, (ii) Kompally, (iii) Dammaiguda, (iv) Jawaharnagar and (v) Medchal
  - iii. Tender is yet to be called for balance 5 ULBs: i) Warangal, ii) Narsampet, (iii) Parakala, (iv) Wardhannapet and v) Kothur
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.
  - i. No. of Dumpsites: 151
  - ii. Total Area in Acres: 887
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers

River Strech	Name of ULB	Area	No.
Musi	Miryalguda	6	1
Manjeera-nakkavagu	-		
Maneru (P-III) (Karimnagar LMD to Somanpalli)	Huzurabad	4	1
	Jammikunta	2.16	1
	Parakala	NA	NA
	Bhupalpally	3	1
	Sulthanabad	0.2	1
	Kothapally	5.2	1
	Karimnagar	7.5	0
Karakavagu (P-III)	Palwancha	3	1

Kinnerasani (P-IV)			
Godavari (P-IV) (Basar to Bhadrachalam)	Mancherial	21.07	1
	Ramagundam	10	1
	Dharmapuri	3	1
	Jagitial	14	2
	Korutla	5.05	1
	Metpally	10	1
	Manuguru	6	1
	Bellampally	10	1
	Chennur	10	1
	Kyathanpally	NA	NA
	Luxettipet	1.2	1
	Mandamarri	5	1
	Nasapur		
	Khanapur	5.51	2
	Nirmal	13.22	1
	Armoor	11	1
	Manthani	1	1
	Bhainsa	15.2	2
Krishna (P-V) (Thangadi to Wadapally)	Gadwal	5.19	1
	Alampur	2	1
	Ieeja	4	1
	Kollapur	5	1
	Makthal	4	1
	<b>Total</b>	<b>192.5</b>	<b>31</b>

- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers

**Status of ULB wise Management of Solid Waste**  
**Details placed at Annex-IV**

**VI. Bio-medical Waste Management: (Not pertaining to HMWSSB)**

- Total Bio-medical generation: **20,472 Kg/day**
- No. of Hospitals and Health Care Facilities: **6542 Nos**
- Status of Treatment Facility/ CBMWTF: **11 CBMWTFs and complying with standards.**

**VII. Hazardous Waste Management:**

- Total Hazardous Waste generation:

<b>Recyclable Waste (TPA)</b>	<b>88,871</b>
<b>Incinerable Waste ( TPA)</b>	<b>2,203</b>
<b>Utilisable waste (TPA)</b>	<b>1,48,466 (coprocessing)</b>
<b>Landfillable Waste (TPA)</b>	<b>1,12,451</b>
<b>Total:</b>	<b>3,51,992</b>

- No. of Industries generating Hazardous waste: **2377**
- Treatment Capacity of all TSDFs : **1 No of Common TSDF with capacity 25 million tons for 25 years and Common incinerator of capacity 1.5 TPH.**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: **1,15,000 TPA**
- Details of on-going or proposed TSDF: **Nil**

#### **VIII. Plastic Waste Management:**

- Total Plastic Waste generation: **640.15 TPD as per Annual Returns 2019-20**
- Treatment/ Measures adopted for reduction or management of plastic waste:
  - Plastic waste generated in the State is collected door to door and then source segregated and properly channelized. There are 34 registered plastic waste recyclers in Telangana with a capacity of 136.08 TPD. 5500 tons of plastic waste is utilised by recycling units.

**There are 7 Plastic Pyrolysis units in Telangana. The details are as follows:**

<b>S. No</b>	<b>Name of the Unit</b>	<b>Capacity (in TPD)</b>
1.	M/s. RS industries, Mallapally	16 (1000 tons used)
2.	M/s. G.K. Industries, Gollapally	8
3.	M/s. Dharithri Sustainable energy Ltd, Pashamailaram	1.5 (200 tons used)
4.	M/s. MS Energies, Pashamailaram (CFE issued)	10
5.	M/s. Pyrogreen Energy, Pashamailaram	5
6.	M/s. Flexi Eco-green, Nagarkurnool	5 (350 tons used)
7.	M/s. Nalgonda	2

57.5 TPD of plastic waste was used for production of waste to oil during July to September, 2020.

- 139 ULBs banned single use plastic initiated Spot-fines to regulate plastic waste

➤ **The details of cement plants where plastic is utilized for co-processing capacity and quantity of plastic waste being utilized in the State:**

1. Zuari Cements – 3 TPD.
2. Anjani Portland Cements – 2 TPD.

About 1200 tons of plastic waste was co-processed during July to September, 2020.

- 11.44 tons of plastic waste is utilized for laying of BT roads in Greater Hyderabad Municipal Corporation (GHMC). 2 tons of plastic waste is used to make tiles which were laid as foot path.
- One integrated solid waste management facility is located in Telangana with RDF processing capacity of 2400 TPD at Jawaharnagar (V), Shameerpet (M), Medchal-Malkajgiri District. Presently, the facility generating 2400 TPD of RDF out of which 330 TPD of plastic is part of RDF.

## IX. Details of Alternate Treatment Technology being adopted by the State/UT:

### i) In-Situ Remediation:

- The NEERI has prepared DPRs for In-situ remediation for 5 drains and for one drain at Kokapet was awarded to NEERI. The NEERI has to commence the work.

### ii) Feacal Sludge Septage Management(FSSM) as interim measure:

- There are 7 corporations, 18 Municipalities and 18 Grampanchayats adjacent to the GHMC within ORR which falls in HMWSSB water supply service area.
- There is no sewerage network in these areas. The individual houses and communities have septic tanks which needs to be cleaned/emptied periodically and disposed safely as a part of Feacal Sludge Septage Management(FSSM).
- HMWSSB has empanelled 87 Septic Tank Cleaning Vehicle Operators for transportation of septage and safe disposal at co-treatment facilities at existing STPs. These operators are provided training for safe handling of septage and issued safety equipment.

#### **Feacal Sludge Treatment facilities:**

HMWSSB has taken up Feacal Sludge and Septage Management (FSSM) by providing co-treatment facilities at existing STPs and construction of standalone FSTPs in the lands acquired for proposed Sewage Treatment Plants as an interim measure, and the status is as below.

Sl. No.	Treatment Facility	Total Proposed	So Far Established	To be Established	Quantity Treated so far
1	Co-Treatment Facilities	8 Nos (Cap: 80 KLD)	7 Nos (Cap:70 KLD)	1 Nos (Cap: 10 KLD)	30 Million Liters
2	FSTPs	6 Nos	3 No (under construction)	3 Nos	--

#### **Co-Treatment Plants:**

1. Amberpet, 2. Nallacheruvu, 3. Peddacheruvu, 4. Miralam, 5. Khajaguda and 6. Nanakramguda  
7. Nagole & [8. Khajakunta (under construction)]

#### **FSTPs:**

1. Nallacheruvu, 2. Injapaur & 3. Nagarm (under construction stage),

## FSTPs in ULBs other than P-I & P-II

Government has drawn up plans to scale up FSTPs in 71 ULBs through Public Private Partnership model.

71 ULBs are grouped into (7) clusters for establishment of FSTPs for 1565 KLD with estimated cost of Rs 250.00 Crs, including CAPEX and OPEX for Ten years on Hybrid Annuity Mode.

Accordingly, tenders have been finalized and work orders were issued to concerned firms (05 firms have been shortlisted for undertaking work in the 7 clusters) for establishment of Fecal Sludge Treatment Plants in these 71 ULBs. The Status of establishment of FSTPs is as follows

- |  |   |    |
|--|---|----|
| 1. No. of ULBs where project has been started  | - | 12 |
| (Narayanpet, Siddipet, Kamareddy, Nirmal, Adilaabad, Nizamabad, Jagital, Medchal, Bhongir, Nalgonda, Ramgundam, Karimnagar and Khammam |   |    |
| 2. No. of ULBs where project has been completed  | - | 05 |
| Siddipet, Bhongir, Nalgonda, Kamareddy and Nirmal  |   |    |

The Government has accorded administrative sanction for construction of FSTP in another 68 newly formed ULBs, with 495 KLD capacity, for Rs 26.00 Crs. Detailed designs, estimates are prepared and tender shall soon be floated for these ULBs.

- iii) Rain guard / wet land construction on Kukatpally nala which joins Hussainsagar lake pilot project is taken-up by HMDA for a length of 300 RMT to reduce the BOD load of the water passing through it. The efficacy is under testing.
- X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment: -  
In-Situ remediation is proposed only in priority I&II and in priority III to V stretches it is not feasible as Flat terrain is not available, Steep slope gradient leading to high velocity and Flow of greater than 5 MLD
- XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: -
- XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: - 5 RRC meeting are conducted so far and also the implementation of the progress is being reviewed regularly by the Chief Secretary under O.A.No.606 of 2018.
- XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river: - Annex-V



**XIV.** Ground water regulation: - The WALTA Act has been adopted by the State of Telangana through G.O.Ms.No.18, Panchayat Raj and Rural Development (RD-II) Department, Government of Telangana dated 31.01.2015.

- 1) As per Section 3(1) the State level WALTA Authority is Secretary to the Government and in-charge ex-officio Member Secretary and Commissioner Rural Development is state WALTA Administrator. As per WALTA rules 2004, Rule no 8,9,10 at district level, District Collector is the WALTA Authority. At divisional level RDO and at Mandal level Tahasildar is the WALTA Authority.
- 2) As per rule 13 every individual or institution has to take a permission to dig a new bore well from Mandal WALTA Authority for Agriculture, Industries and Drinking water purposes
- 3) Groundwater Department has been designated for giving feasibility report regarding availability of ground water for the proposed areas, ether for individuals or non-individuals for agriculture, domestic, drinking and industrial purpose.
- 4) For industries under TS Ipass Groundwater Department will give the approvals for extraction of Groundwater by recommending new bore wells sites abiding WALTA rules.
- 5) Groundwater Department should assess the ground water resources in the state, by adopting Ground Water Resources Estimation Committee Methodology. As per GEC methodology, the categorisation based on status of ground water quantity is defined by stage of Ground Water extraction as given below:
- 6) Ground Water Department has identified (1358) Villages as Over exploited, considering Ground Water Estimation Resources assessment for the base year 2012-13. And the same number of villages are notified by Authority i.e. Telangana State WALTA authority through G.O.Ms.No.114. Panchayat Raj and Rural Development (RD-I) Department dated 25.10.2018
- 7) As per TSWALTA ACT no extraction of Groundwater is permitted in Over Exploited villages for agriculture and Industrial except for drinking purpose

**XV. Good irrigation practices being adopted by the State:** - Further, the NGT in the above OA No 673/2018 has also ordered for Water and Irrigation practices & organization of awareness programme for the farmers. In this regard, WALAMTARI is preparing action plan for training of Water and Irrigation practices & organization of awareness programme for the farmers.

**XVI. Rain Water Harvesting:** -

**XVII. Demarcation of Floodplain and removal of illegal encroachments:** -

As per the NGT orders in OA No 673 of 2018 on polluted rivers, for notification of flood plain zones, a committee was constituted by Government with the following ENC's / CE's to collect the data of past history of flooding and mitigation measures taken and for identification of new areas of flood mitigation.

S.No	River Name	River Stretch	Concerned ENC/CE
1	Musi	Hyderabad to Nalgonda	Chief Engineer, NSP
2	Manjeera	Gowdicharla to Nakkavagu	Commissioner P & D of Godavari Basin
3	Nakkavagu	Gandilachapet to Sevala Thanda	
4	Karakavagu	Along Palwancha	SE & PA ,SRLIP -1

5	Maner	Warangal to Somnapalli	Engineer-in-Chief(P), Karimnagar
6	Godavari	Basar to Khammam	ACE, SRSP, CE, Khanthanapalli & CE, Minor (GB)
7	Kinnerasani	Along Palwancha	SE & PA ,SRLIP -1
8	Krishna	Thangadigi to wadapally	Chief Engineer, Mahabubnagar & CE, Minor (KB)

As a step in this process, review meetings are conducted by the Engineer-in-Chief(I) on 06.07.2020, 03.09.2020 and 03.11.2020 with the above Engineer-in-Chief's/Chief Engineers regarding the action plan on the mitigation measures to be taken up to identify Flood Plane Zones.

The relevant SI sheets of 1 in 50,000 scale for all the river stretches have been collected. The HFL Contours corresponding to the maximum flood in the river have been marked on the above SI sheets as per site enquiry and past history.

The extent of areas affected is being computed along with survey No's which are being identified for declaration of same for Flood Plane Zones in co ordination with Revenue Authorities.

The following activities are completed in the River Musi

- a. Cleaning and clearance of Juliflora, Shrubs etc. and removal of silt for free flow of River without stagnation and 3 Nos. Mosquito killing machines are erected to bring down the mosquito menace. Also 10 Nos Fogging Machines are procured and fogging operations are being taken up daily along the banks of Musi River.
- b. Demarcation of River boundary and 50 mtrs. Buffer zone on either side of Musi from Gandipet to ORR-East (Gowrelli) and Himayathsagar to Bapughat is in progress.
- c. Development of Green walk-ways and removal of debris along the Musi River Edges from Bapughat to Nagole at five locations covering Nine bridges for a total length of about 16 kms under Ecological Restoration of River Musi is taken up.
- d. MRDCL is being engaged 2 no.s of long boom excavators, 2 no.s excavators and 1 phantoon excavator for cleaning of River Musi on continuous process throughout the year as a part of Cleaning & Clearing of Musi River.

To prevent further dumping of C&D waste material on either side of Musi Bund, the MRDCL has installed Surveillance Cameras and also engaged the guards to keep watch and ward (patrolling 24/7) to avoid further encroachments of Musi River.

**XVIII. Maintaining minimum e-flow of river:** - All the rivers in Telangana are Rain fed non-perennial rivers and hence maintenance of e-flow is practically not possible

**XIX. Plantation activities along the rivers:** - The Govt. of Telangana is executing the plantation program called Haritha Haram under which every year massive plantation is being taken up in the entire state.

**XX. Development of biodiversity park:** -

- XXI. Reuse of Treated Water:** Govt. of Telangana has released a policy for reuse of the treated water
- Treated Waste Water is being used for the purposes of gardening by Shilparamam (Tourism Dept.), Botanical Garden (Forest Dept.), GHMC, HMDA, Horticulture Dept, R&B Dept, NCC company pvt. Ltd., for gardening and watering the medians on the roads etc. and so far 57 MLD has been reused.
  - HMWSSB has engaged a consultant for demand assessment and identify the potential users for reuse of treated waste water from the existing & proposed STPs.
  - HMWSSB has organized three workshops with various stakeholders for utilizing the treated waste water from existing STPs.
- XXII.** Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: -
- XXIII.** Status of Preparation of Action Plan by the 13 Coastal States: - Not Applicable
- XXIV.** Regulation of Mining Activities in the State/UT: -
- XXV.** Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring: -

## Annex-I

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status	Compliance Status of STP
				of STP	
1	Amberpet	339	302	Working	Meeting
2	Nagole	172	172	Working	Meeting
3	Nallacheruvu	30	24	Working	Meeting
4	Attapur 1	51	47.5	Working	Meeting
5	Attapur 2	23	18.2	Working	Meeting
6	Pedda Cheruvu, Nacharam	10	10	Working	Meeting
7	Miralam Tank 1	10	10	Working	Meeting
8	Miralam Tank 2	5	5	Working	Meeting
9	Durgam Cheruvu, SLP	5	5	Working	Meeting
10	Patel Cheruvu, Nacharam	2.5	2.5	Working	Meeting
11	Saroor Nagar	2.5	2.5	Working	Meeting
12	Langer House	1.2	1.2	Working	Meeting
13	NMK Lake	4	3	Working	Meeting
14	Safilguda, Malkajgiri	0.6	0.6	Working	Meeting
15	Khajakunta, Metro, KKP	12	12	Working	Meeting
16	Khajaguda, Gachibowli	7	7	Working	Meeting
17	Nanakramguda,	4.5	4.5	Working	Meeting
18	Nagarjuna Circle	0.5	0.5	Working	Meeting
19	Lingam Kunta, BHEL	30	16	Working	Meeting
20	Gopanapally, SLP	4.5	2.5	Working	Meeting
21	Necklace Road	20	20	Working	Meeting
22	Pattigadda	30	30	Working	Meeting
23	Rangadhamini Lake, KKP	5	5	Working	Meeting
24	Krishnakanth Park,	0.5	-	Not working	-
25	Amber Cheruvu, Pragatinagar	2.5	-	Not working	-
26	Bommakal Road, Karimnagar	38	2	Working	Meeting
27	Chakali Gadda, Vikarabad	13	4.8	Working	Meeting
28	Dubba Nizamabad	31.5	8	Working	Meeting
29	Yellammagutta Nizamabad	15	4	Working	Meeting
30	Thallagadda Miryalguda	11.5	10	Working	Meeting
31	Chinthala Cheruvu Siddipet	7.25	6	Working	Meeting
	Total	888.55	735.8		

**Annexure II**  
**Details of under Construction STPS's in the State (Urban other GHMC)**

S. No.	City/Town	Location of STP	Capacity of STP in MLD	Physical Progress in %	Completion Timeline
1	Miryalguda	Ramnagar Bandam	5.45	90%	12/31/2020
2	Siddipet	Narsapur Cheruvu	11.00	75%	3/31/2021
3	Nalgonda	Sheshammagudem	17.16	50%	11/30/2021
		Arjalabavi	2.55	0% (to be Started)	11/30/2021
4	Nagar Kurnool	Bus Depot Backside	3.20	0% (to be Started)	6/30/2021
		Bus Depot Backside	2.30	30%	6/30/2021
5	Khammam	Dhamsalapuram	20.00	5%	7/30/2021
6	Suryapet	Nalla Cheruvu	10.00	0% (to be Started)	7/30/2021
		Pullareddy cheruvu	10.00	20%	7/30/2021
7	Gajwel	Rajareddy Pally	1.5	0%	12/31/2021
		Pidichedu Road	3.5	0% (to be Started)	12/31/2021
		Pragnapur (By-Pass Road)	1.25	0% (to be Started)	12/31/2021
		Pandavula Chervu	0.5	0% (to be Started)	12/31/2021
8	Devarakonda	Bellamoni Kunta(Nainoni Kunta)	2	0% (to be Started)	31-06-2021
9	GWMC	Reddypuram	100	0% (to be Started)	3/31/2022
		Pragathinagar	15	0% (to be Started)	3/31/2022
		Ursugutta	5	0% (to be Started)	3/31/2022
<b>Total</b>			<b>210.41</b>		

**Annexure –III: Details of STPs proposed in the State (Urban other GHMC)**

S. No.	ULB Name	No. of STPs	STP - 1	STP - 2	STP - 3	STP- 4	Total MLD	Status of Project	Likely date of completion **
			MLD	MLD	MLD	MLD			
1	Bellampally	2	8.50	4.5			13.00	A/S awaited	<b>31-08-2023 subject to availability of funds and incase Administrative Sanction is accorded by the Govt. in the F.Y.2020-21</b>
2	Mandamarri	3	7.00	6	1		14.00		
3	Ramagundam	3	32.00	9	4		45.00		
4	Jagtial	4	14.10	4.9	0.6	0.56	20.16		
5	Metpally	2	4.30	5.3			9.60		
6	Bhainsa	2	7.50	2			9.50		
7	Korutla	1	12.71				12.71		
8	Manuguru	2	5.00	1.2			6.20		
9	Armoor	3	4.10	6.5	0.8		11.40		
10	Dharmapuri	2	2.00	1.70			3.70		
11	Chennur	2	3.00	2.50			5.50		
12	Kyathanpally	2	4.00	3.20			7.20		
13	Luxettipet	2	3.00	2.00			5.00		
14	Mancherial	4	7.50	3.00	3.00	3.00	16.50		
15	Naspur	3	8.00	5.00	5.00		18.00		
16	Khanapur	2	3.00	1.80			4.80		
17	Nirmal	3	8.50	6.00	5.50		20.00		
18	Manthani	2	2.00	1.75			3.75	A/S awaited	
19	Gadwal	2	12.90	3.36			16.26		
20	Kollapur	3	0.57	4.33	1.24		6.14		
21	leeja	2	4.81	2.11			6.92	DPR under prep.	
22	Alampur	2	1.60	1.5			3.10		
23	Makthal	2	2.60	2.6			5.20	A/S awaited	
24	Palwancha	4	2.00	2.8	9.3	2.00	16.10		
25	Huzurabad	2	4.75	1.7			6.45		
26	Jammikunta	2	4.90	1.4			6.30		
27	Parkal	2	4.00	2.6			6.60		
28	Bhupalpally	3	6.00	2.2	0.63		8.83	DPR under prep.	
29	Kothapalli	2	1.50	1.10			2.60		
30	Sultanabad	2	3.00	1.50			4.50		
72							<b>315.02</b>		

**Proposed STP in priority I & II in Telangana in GHMC**

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
<b>Package-III</b>				
1	Ambar Cheruvu (Pragathi Nagar)	37.00	Tenders successfully completed. Agency is placed and works will commence in 1 <sup>st</sup> week of April.	2022
2	Chinna Maisamma	14.50		
3	Nalla Cheruvu (Kukatpally)	15.00		
4	Khajakunta	22.00		
5	Yellammakunta Lake (Jaya Nagar)	13.50		
6	Fathe Nagar	100.00		
7	Vennelagadda	5.00		
8	Gayatri Nagar (Chintal)	5.00		
9	Fox Sagar Lake	14.00		
10	Shivalaya Nagar Cheruvu	14.00		
11	Pariki Cheruvu (Kandri Gutta)	28.00		
12	Durgam Cheruvu	7.00		
13	Khajaguda	21.00		
14	Miyapur Patel Cheruvu	7.00		
15	Gangaram Cheruvu	20.00		
16	Mullakathuva Cheruvu	33.50		
17	Kamuni Cheruvu	20.00		
<b>Total</b>		<b>376.5</b>		
<b>Package-I</b>				
18	New Alwal Lake	15.50	Proposals are under sanction stage at Government level.	
19	R K Puram Lake (Mukkiddi cheruvu)	5.50		
20	Banda Cheruvu	15.00		
21	Kapra Lake	20.00		
22	Rama Cheruvu	30.00		
23	Pedda Cheruvu	17.50		
24	Nalla Cheruvu	86.50		
25	Amberpet	212.50		
<b>Total</b>		<b>402.50</b>		
<b>Package-II</b>				
26	Miralam Site 1	30.00	Proposal are under sanction stage at Government level.	
27	Miralam Site	11.50		
28	Bapughat STP at Attapur Site	48.00		
29	Kokapat Lake	15.00		
30	Ibrahim Cheruvu	56.00		
31	Nagole	320.00		
<b>Total</b>		<b>480.50</b>		

## Annex-IV

S.No.	ULB	Total MSW Generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Proposed MSW Facilities & Completion Timeline
1	Adilabad	66	26	DRCC, WTC	Work under progress for MSW processing, 9 Months
2	Palvancha	38	15	DRCC, WTC	
3	Kothagudem	36	14	DRCC, WTC	
4	Manuguru	14	5	DRCC, WTC	
5	Yellandu	22	9	DRCC, WTC	
6	Korutla	38	15	DRCC, WTC	Tenders Called for MSW processing, 1 year
7	Dharmapuri	4	2	DRCC, WTC	
8	Jagityal	50	20	DRCC, WTC	
9	Metpalli	29	11	DRCC, WTC	
10	Raikal	3	1	DRCC, WTC	
11	Jangaon	14	5	DRCC, WTC	Work under progress for MSW processing, 9 Months
12	Bhupalpally	13	5	DRCC, WTC	
13	Alampur	1	0	DRCC, WTC	Tenders Called for MSW processing, 1 year
14	Gadwal	18	7	DRCC, WTC	
15	leeja	1	0	DRCC, WTC	
16	Waddepalle	7	3	DRCC, WTC	
17	Banswada	11	4	DRCC, WTC	Work under progress for MSW processing, 9 Months
18	Kamareddy	44	17	DRCC, WTC	
19	Yellareddy	10	4	DRCC, WTC	
20	Karimnagar Mpl Corpn	95	37	DRCC, WTC	Tenders Called for MSW processing, 1 year
21	Choppandandi	2	1	DRCC, WTC	
22	Huzurabad	18	7	DRCC, WTC	
23	Jammikunta	28	11	DRCC, WTC	
24	Kothapally	2	1	DRCC, WTC	
25	Khammam Mpl Corpn	190	74	DRCC, WTC	Work under progress for MSW processing, 9 Months
26	Sattupalli	21	8	DRCC, WTC	
27	Madhira	26	10	DRCC, WTC	
28	Wyra	23	9	DRCC, WTC	
29	Kagaznagar	25	10	DRCC, WTC	
30	Mahaboobnagar	106	41	DRCC, WTC	Tenders Called for MSW processing, 1 year
31	Bhoothpur	2	1	DRCC, WTC	
32	Jadcherla	25	10	DRCC, WTC	
33	Dornakal	4	2	DRCC, WTC	Work under progress for MSW processing, 9 Months
34	Mahabubabad	18	7	DRCC, WTC	
35	Maripeda	2	1	DRCC, WTC	
36	Thorrur	3	1	DRCC, WTC	



S.No.	ULB	Total MSW Generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Proposed MSW Facilities & Completion Timeline
37	Mancherial	21	8	DRCC, WTC	
38	Bellampally	25	10	DRCC, WTC	
39	Chennur	9	4	DRCC, WTC	
40	Kyathanpally	9	4	DRCC, WTC	
41	Luxettipet	5	2	DRCC, WTC	
42	Mandamarri	21	8	DRCC, WTC	
43	Naspur	20	8	DRCC, WTC	
44	Medak	29	11	DRCC, WTC	
45	Narsapur	2	1	DRCC, WTC	Tenders Called for MSW processing, 1 year
46	Ramayampet	3	1	DRCC, WTC	
47	Thoopran	3	1	DRCC, WTC	
48	Boduppall	51	20	DRCC, WTC	Work under progress for MSW processing, 9 Months
49	Dundigal	8	3	DRCC, WTC	
50	Kompally	28	11	DRCC, WTC	MSW processing facility commenced
51	Medchal	22	9	DRCC, WTC	
52	Peerzadiguda	4	2	DRCC, WTC	Work under progress for MSW processing, 9 Months
53	Dhammaiguda	28	11	DRCC, WTC	MSW processing facility commenced
54	Ghatkesar	9	4	DRCC, WTC	Work under progress for MSW processing, 9 Months
55	Gundlapochampally	8	3	DRCC, WTC	
56	Jawaharnagar	9	4	DRCC, WTC	MSW processing facility commenced
57	Nagaram	25	10	DRCC, WTC	Work under progress for MSW processing, 9 Months
58	Nizampet	130	51	DRCC, WTC	
59	pocharam	15	6	DRCC, WTC	
60	Thumkunta	8	3	DRCC, WTC	
61	Atchampet	11	4	DRCC, WTC	Tenders Called for MSW processing, 1 year
62	Kalwakurthy	7	3	DRCC, WTC	
63	Kollapur	8	3	DRCC, WTC	
64	Nagarkurnool	13	5	DRCC, WTC	
65	Miryalguda	50	20	DRCC, WTC	
66	Nalgonda	64	25	DRCC, WTC	
67	Chandur	1	0	DRCC, WTC	
68	Chityal	9	3	DRCC, WTC	
69	Devarakonda	16	6	DRCC, WTC	
70	Haliya	25	10	DRCC, WTC	
71	Nandikonda	6	2	DRCC, WTC	

S.No.	ULB	Total MSW Generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Proposed MSW Facilities & Completion Timeline	
72	Kosgi	2	1	DRCC, WTC	Work under progress for MSW processing, 9 Months	
73	Makthal	2	1	DRCC, WTC		
74	Narayanapet	12	5	DRCC, WTC		
75	Nirmal	66	26	DRCC, WTC		
76	Bhainsa	24	9	DRCC, WTC		
77	Khanapur	6	2	DRCC, WTC		
78	Armur	30	12	DRCC, WTC		
79	Nizamabad Mpl Corpn	188	73	DRCC, WTC		
80	Bheemgal	14	6	DRCC, WTC		
81	Bodhan	40	16	DRCC, WTC		
82	Ramagundam Mpl Corpn	115	45	DRCC, WTC		
83	Peddapalli	21	8	DRCC, WTC		
84	Manthani	24	9	DRCC, WTC		
85	Sulthanabad	3	1	DRCC, WTC		Tenders Called for MSW processing, 1 year
86	Sircilla	46	18	DRCC, WTC		
87	Vemulavada	23	9	DRCC, WTC		
88	Jalpally	33	13	DRCC, WTC		
89	Narsingi	36	14	DRCC, WTC		
90	Shadnagar	32	12	DRCC, WTC		
91	Turkayamjal	10	4	DRCC, WTC		
92	Adibatla	7	3	DRCC, WTC		
93	Amangal	5	2	DRCC, WTC		
94	Badangpet	30	12	DRCC, WTC		
95	Bandlaguda Jagir	44	17	DRCC, WTC		
96	Ibrahimpattanam	9	3	DRCC, WTC		
97	Manikonda	55	21	DRCC, WTC		
98	Meerpet Mpl Corpn	60	23	DRCC, WTC		
99	Pedda Amberpet	27	11	DRCC, WTC		
100	Shamshabad	5	2	DRCC, WTC		
101	Shankarpally	12	5	DRCC, WTC		
102	Thukkuguda	3	1	DRCC, WTC		
103	Ameenpur	38	15	DRCC, WTC		
104	Andol-Jogipet	0	0	DRCC, WTC		
105	Bollaram	25	10	DRCC, WTC		
106	Narayankhed	11	4	DRCC, WTC		
107	Sadasivapet	21	8	DRCC, WTC		
108	Sangareddy	49	19	DRCC, WTC		

S.No.	ULB	Total MSW Generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Proposed MSW Facilities & Completion Timeline
109	Tellapur	8	3	DRCC, WTC	
110	Zaheerabad	55	21	DRCC, WTC	
111	Gajwel	11	4	DRCC, WTC	
112	Siddipet	47	18	DRCC, WTC	
113	Cherial	4	2	DRCC, WTC	
114	Dubbaka	9	4	DRCC, WTC	
115	Husnabad	12	5	DRCC, WTC	
116	Kodada	32	12	DRCC, WTC	
117	Suryapet	65	25	DRCC, WTC	
118	Huzurnagar	21	8	DRCC, WTC	
119	Neredcherla	2	1	DRCC, WTC	
120	Tirumalagiri	3	1	DRCC, WTC	
121	Vikarabad	30	12	DRCC, WTC	NA
122	Kodangal	2	1	DRCC, WTC	Tenders Called for MSW processing, 1 year
123	Parigi	10	4	DRCC, WTC	
124	Tandur	40	16	DRCC, WTC	
125	Wanaparthy	32	12	DRCC, WTC	
126	Amarchinta	1	0	DRCC, WTC	
127	Atmakur	1	0	DRCC, WTC	
128	Kothakota	4	2	DRCC, WTC	
129	Pebbair	6	2	DRCC, WTC	
130	Narsampet	20	8	DRCC, WTC	Tender yet to be called
131	Parkal	13	5	DRCC, WTC	
132	Wardhannapet	1	0	DRCC, WTC	
133	Warangal Mpl Corpn	404	158	DRCC, WTC	Work under progress for MSW processing, 9 Months
134	Bhongir	33	13	DRCC, WTC	
135	Alair	1	0	DRCC, WTC	
136	Choutuppal	1	0	DRCC, WTC	
137	Mothkur	3	1	DRCC, WTC	
138	Pochampally	6	2	DRCC, WTC	
139	Yadagirigutta	8	3	DRCC, WTC	
140	Kothur	3.5 3720	2 1451	WTC	Tender yet to be called

TELANGANA STATE POLLUTION CONTROL BOARD

NWMP for the month of JANUARY - 2021

S.No	Station code	Station name	District	RO	Responsible Zone/Lab	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Nitrate	Nitrite-W (mg/L)	Total Coliform m	Fecal coliform m	Faecal streptococci	Saprophy index	Diversity index	P/R Ratio	Turbidity (NTU)	Phenol (mg/L)	Total Alk. (mg/L)	Chloride (mg/L)	COD (mg/L)	TKN (mg/L)	Ammonia (mg/L)	Total Ammonia (mg/L)	Hardness (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sulphate (mg/L)	Sodium (mg/L)	TDS (mg/L)	TSS (mg/L)	TSS (mg/L)	Total Phosphate (mg/L)	Ortho Phosphate (mg/L)	Boron (mg/L)	Potassium (mg/L)	Fluoride (mg/L)	% Sodium	SAR			
1	2360	River Godavari at Basara	Nirmal	Nirmal	ZL-RCP	6.7	7.48	469	2.1	7	0.09	2.0	20	<1.8	NA	NA	NA	NA	9	16	114	76	24	4.5	0.4	<-0.01	181	90	36	91	22	9	17	328	224	10	NA	0.05	0.5	4	0.20	17	0.5
2	4255	Ali sagar Reservoir	Nizamabad	Nizamabad	ZL-RCP	6.5	7.40	382	2.1	4	0.06	1.8	17	<1.8	NA	NA	NA	NA	5	12	78	62	20	3.9	0.4	<-0.01	116	70	28	66	16	7	14	235	185	10	NA	0.07	0.5	3	0.20	18	0.5
3	4227	Pochara Water Falls, Adilabad	Adilabad	Adilabad	ZL-RCP	6.6	7.37	592	2.1	6	0.07	2.0	25	<1.8	NA	NA	NA	NA	8	12	128	80	22	3.9	0.4	<-0.01	179	80	32	99	24	8	21	334	241	10	NA	0.08	0.5	4	0.20	20	0.7
4	2361	River Godavari at mancheril, Near Rail Way	Warangal	Warangal	ZL-RCP	6.1	7.89	548	2.2	1.8	NA	<1.8	10	<1.8	NA	NA	NA	NA	8	5	170	54	24	1.5	0.4	<-0.01	180	134	54	46	11	36	46	340	146	13	0.2	NA	0.5	4	0.20	35	1.5
5	13	River Godavari at Mancheril	Warangal	Warangal	ZL-RCP	6.2	8.03	548	2.6	2.1	NA	<1.8	<1.8	<1.8	NA	NA	NA	NA	6	5	175	48	22	1.5	0.4	<-0.01	190	110	44	90	19	42	45	340	NA	10	0.2	NA	0.5	2	0.20	34	1.4
6	3054	Outlet of ash pond effluents of M/s.NTPC.	Warangal	Warangal	ZL-RCP	3.2	10.23	1322	4.0	1.9	NA	<1.8	2	<1.8	NA	NA	NA	NA	4	41	245	158	64	1.5	0.4	<-0.01	345	180	72	195	47	88	108	758	NA	10	0.2	NA	0.5	6	0.20	38	2.4
7	2362	Dis of River Godavari at Ramagundam near	Warangal	Warangal	ZL-RCP	5.8	8.54	520	2.4	2.2	NA	<1.8	6	<1.8	NA	NA	NA	NA	4	20	150	50	32	1.5	0.4	<-0.01	164	120	48	44	11	32	43	322	NA	13	0.2	NA	0.5	4	0.20	36	1.5
8	2363	River Godavari at Godavirkhan near bathing	Warangal	Warangal	ZL-RCP	6.0	8.15	526	2.6	1.7	NA	<1.8	6	<1.8	NA	NA	NA	NA	3	5	160	50	22	1.5	0.4	<-0.01	170	122	49	48	12	35	42	320	NA	10	0.2	NA	0.5	5	0.20	34	1.4
9	2364	River Godavari at Ramagundam upstream	Warangal	Warangal	ZL-RCP	5.8	8.16	542	3	4	NA	<1.8	11	<1.8	NA	NA	NA	NA	6	5	155	58	30	1.5	0.4	<-0.01	175	108	43	67	16	42	46	330	NA	18	0.2	NA	0.5	5	0.20	35	1.5
10	2356	River Godavari d/s of Ramagundam at	Warangal	Warangal	ZL-RCP	5.8	8.11	543	2.6	4	NA	<1.8	10	<1.8	NA	NA	NA	NA	8	5	165	52	32	1.5	0.4	<-0.01	180	110	44	70	17	31	44	343	NA	10	0.24	NA	0.5	4	0.20	34	1.4
11	4662	River godavari Kaleshwaram	Warangal	Warangal	ZL-RCP	6.3	7.84	458	2.4	0.49	NA	<1.8	6	<1.8	NA	NA	NA	NA	4	5	170	34	24	1.5	0.4	<-0.01	186	96	38	90	22	28	28	303	NA	10	0.2	NA	0.5	2	0.35	24	0.9
12	2365	Dis of River Godavari at Kamalapur (V) at	Warangal	Warangal	ZL-RCP	6.2	8.05	310	2.4	0.38	NA	<1.8	6	<1.8	NA	NA	NA	NA	8	5	118	19	20	1.5	0.4	<-0.01	122	64	28	58	14	18	18	190	NA	10	0.2	NA	0.5	2	0.41	24	0.7
13	2366	Dis of River Godavari at Kamalapur (V) at	Warangal	Warangal	ZL-RCP	5.8	8.09	324	2.6	0.43	NA	<1.8	7	<1.8	NA	NA	NA	NA	2	5	115	15	28	1.5	0.4	<-0.01	135	56	22	79	19	13	10	195	NA	10	0.2	NA	0.5	4	0.39	13	0.4
14	2367	Dis of river Godavari at Bhadrachalam bathing	Warangal	Warangal	ZL-RCP	5.2	8.06	296	2.6	2.2	NA	<1.8	11	<1.8	NA	NA	NA	NA	7	5	108	27	36	1.5	0.4	<-0.01	105	95	38	10	2	18	16	189	NA	43	0.2	NA	0.5	2	0.20	24	0.7
15	2368	Dis of river Godavari at Bhadrachalam bathing	Warangal	Warangal	ZL-RCP	5.0	8.01	299	2.4	2.1	NA	<1.8	6	<1.8	NA	NA	NA	NA	8	5	101	30	38	1.5	0.4	<-0.01	100	80	24	40	10	12	20	180	NA	12	0.2	NA	0.5	2	0.20	30	0.9
16	2369	River Godavari at Burgampahad	Warangal	Warangal	ZL-RCP	5.4	7.70	394	2.9	3.6	NA	<1.8	4	<1.8	NA	NA	NA	NA	4	5	110	38	18	1.5	0.4	<-0.01	115	105	42	10	2	18	28	240	NA	10	0.2	NA	0.5	4	0.20	34	1.1
17	2373	Kunavaram at Sabari	Warangal	Warangal	ZL-RCP	Sample was not submitted by RO (as this point belongs to APPCC)																																					
<b>River Maneru / Manali</b>																																											
18	4256	Lower Maneru Dam, Karimnagar	Karimnagar	Karimnagar	ZL-RCP	5.1	8.08	410	3	2.5	NA	<1.8	11	<1.8	NA	NA	NA	NA	7	5	150	32	29	1.5	0.4	<-0.01	150	114	46	36	9	20	28	258	NA	10	0.2	NA	0.5	3	0.20	28	1.0
19	4257	Maneru river DS of municipal dump site,	Karimnagar	Karimnagar	ZL-RCP	3.6	7.58	1004	6	3.2	NA	<1.8	17	<1.8	NA	NA	NA	NA	4	5	255	122	58	1.5	0.4	<-0.01	265	190	76	75	18	61	94	590	NA	16	0.32	NA	0.5	7	0.20	43	2.5
20	4664	River Maneru at Ghatapalli (V) near	Karimnagar	Karimnagar	ZL-RCP	4.3	8.16	758	4	2.1	NA	<1.8	21	<1.8	NA	NA	NA	NA	5	5	180	88	36	1.5	0.4	<-0.01	225	152	61	73	18	56	66	460	NA	10	0.2	NA	0.5	4	0.20	38	1.9
21	4665	Outlet of KTFP Ash Pond Joining	Warangal	Warangal	ZL-RCP	4.7	7.20	591	3	0.95	NA	<1.8	21	<1.8	NA	NA	NA	NA	34	5	160	58	48	1.5	0.4	<-0.01	195	74	30	121	29	32	36	366	NA	86	0.2	NA	0.5	4	0.20	28	1.1
22	1158	River Maneru at Somangally	Warangal	Warangal	ZL-RCP	5.8	7.73	503	3	1.23	NA	<1.8	11	<1.8	NA	NA	NA	NA	6	6	165	52	34	1.5	0.4	<-0.01	170	90	36	80	19	34	46	312	NA	10	0.2	NA	0.5	4	0.20	36	1.5
<b>River Manjeera</b>																																											
23	4158	Singar Dam Reservoir	Sangareddy	Sangareddy	ZL-RCP	6.5	7.47	365	2.1	4	0.08	4	27	2	NA	NA	NA	NA	5	8	80	52	22	3.4	0.4	<-0.01	123	65	26	58	14	5	10	198	146	10	NA	0.06	0.5	2	0.20	15	0.4
24	1157	River Manjeera at Rapally	Sangareddy	Sangareddy	ZL-RCP	6.3	7.38	394	2.4	4	0.13	4	25	2	NA	NA	NA	NA	6	12	94	56	26	5	0.4	<-0.01	131	65	26	66	16	6	15	232	169	10	NA	0.09	0.5	2	0.20	20	0.6
25	1781	Manjeera at Ganapathi sugars	Sangareddy	Sangareddy	ZL-RCP	6.7	7.49	457	3	5	0.06	2	33	1.8	NA	NA	NA	NA	7	12	104	66	30	5.6	0.4	<-0.01	149	75	30	74	18	17	17	284	182	10	NA	0.07	0.5	3	0.20	19	0.6
26	2374	Dis of river Manjeera at Govindneta before	Sangareddy	Sangareddy	ZL-RCP	6.9	7.95	962	2.8	10	0.14	4	39	2	NA	NA	NA	NA	12	20	186	86	32	6.2	0.4	<-0.01	216	120	48	115	28	14	24	647	468	10	NA	0.11	0.5	7	0.20	18	0.7
27	2375	Dis of river Manjeera at Govindneta after	Sangareddy	Sangareddy	ZL-RCP	6.6	7.27	1048	3	11	0.17	4	47	1.8	NA	NA	NA	NA	14	24	202	88	28	5	0.4	<-0.01	244	135	54	148	36	18	27	748	558	11	NA	0.13	0.5	9	0.20	17	0.7
28	2349	Nakka vagu at Bachugudem	Sangareddy	Sangareddy	ZL-RCP	2	7.36	1124	9	9	0.19	17	150	9	NA	NA	NA	NA	18	32	212	148	82	15.7	0.4	<-0.01	338	170	68	198	48	25	43	642	662	13	NA	0.15	0.5	9	0.20	20	1.0
29	4226	River Manjeera at Yedu Payala Temple	Medak	Medak	ZL-RCP	6.5	7.20	461	3	8	0.08	<1.8	31	<1.8	NA	NA	NA	NA	7	16	109	72	26	5	0.4	<-0.01	140	80	32	91	22	7	18	312	222	10	NA	0.08	0.5	5	0.20	18	0.6
<b>River Kinnerasani</b>																																											
30	2372	Kinnerasani after confluence of KTFP ash	Warangal	Warangal	ZL-RCP	5.6	7.89	512	3	2.74	NA	<1.8	21	<1.8	NA	NA	NA	NA	3	5	160	44	28	1.5	0.4	<-0.01	180	145	58	35	9	30	32	310	NA	29	0.2	NA	0.5	4	0.20	27	1.0
31	3080	Dis of Kankajanga at Paloncha	Warangal	Warangal	ZL-RCP	5.4	7.26	632	4	4.51	NA	<1.8	2	<1.8	NA	NA	NA	NA	2	5	195	62	32	1.5	0.4	<-0.01	200																