

GOVERNMENT OF ANDHRA PRADESH
MUNICIPAL ADMINISTRATION & URBAN DEVELOPMENT (UBS) DEPARTMENT

Letter No.953724/UBS/2020

Dated:20-10-2020

From
The Secretary to Government,
MA & UD Department,
A.P. Secretariat,
Velagapudi,
Guntur District.

To
The Secretary,
Ministry of Jal Sakti,
MoHUA.,
Government of India,
New Delhi.(w.e.)

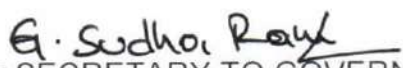
Sir,

Sub:- National Green Tribunal – Orders of the National Green Tribunal
Principal Bench, New Delhi in OA No.673/2018 - Monthly
Progress Report for the month of September, 2020 - furnished –
Regarding.

Ref:- Orders of the National Green Tribunal Principal Bench, New Delhi
in OA No.673/2018, dt.24.09.2020.

In compliance to the directions of the Hon'ble National Green Tribunal
Principal Bench, New Delhi in the reference cited, I am herewith enclose the Monthly
Progress Report in the prescribed format for the month of September, 2020 for the
NGT Matter OA No.673 of 2018 for taking further necessary action.

Yours faithfully,


For SECRETARY TO GOVERNMENT



National Mission for Clean Ganga
Format for submission of Monthly Progress Report for the
month of September, 2020 in the NGT Matter OA No. 673 of
2018 (in compliance to NGT order dated 24.09.2020)

For the State of Andhra Pradesh

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

Urban Population: 1.48 Crore (Urban Only)

II. Estimated Sewage Generation (MLD):1463.20 MLD

III. **Details of Sewage Treatment Plant:**

- Existing no. of STPs and Treatment Capacity in MLD :515.85 (43No's)
- Capacity Utilization of existing STPs: 321.81 MLD
- MLD of sewage being treated through Alternate technology:
- Gap in Treatment Capacity in MLD: 947.35
- No. of Operational STPs: 43
- No. of Complying STPs: 43
- No. of Non-complying STPs: Nil

Details of Each Existing STP in the State:

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	GVMC	177.00	101.01	Working	Yes
2	Vijayawada	130.00	122.00	Working	Yes
3	Narsaraopeta	15.55	8.50	Working	Yes
4	Tirupathi	50.00	33.00	Working	Yes
5	Tadipathri	11.50	6.50	Working	Yes

6	Puttaparthi	1.50	0.50	Working	Yes
7	Pulivendula	6.50	2.50	Working	Yes
8	Kadapa	20.00	10.00	Working	Yes
9	Nellore	71.00	5.00	Working	Yes
10	Rajahmundry	30.00	30.00	Working	Yes
11	Kurnool	2.40	2.40	Working	Yes
12	Tadepalli	0.40	0.40	Working	Yes
	Total	515.85	321.81		

Details of Under Construction STPs in the State

No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Vizianagaram	5.00	53%	Nil	March,2021
2	GVMC	2.00	50%	1200	March,2021
2a	GVMC	46.00	20%	27841	December,2021
3	Tirupati	0.40	25%	Nil	March,2021
3a	Tirupati	25.00	25%	14243	December,2021
4	Vijayawada	20.00	0%	11788	December,2021
5	Tenali	2.00	5%	Nil	December,2021
6	Kurnool	2.00	10%	Nil	December,2021
7	Yemmiganur	19.50	96%	3928	December,2021
8	Kakinada	5.00	24%	487	December,2021
9	Eluru	5.00	29%	2025	December,2021
10	Tenali	10.00	25%	Nil	December,2021
11	Nellore	34.00	81%	15000	December,2021
12	Srikakulam	10.00	16%	Nil	December,2021
13	Rajamahencravaram	5.00	5%	Nil	December,2021
14	Bhimavaram	5.00	22%	Nil	December,2021

15	Tadepalligudem	5.00	0%	Nil	December,2021
16	Machilipatnam	5.00	45%	Nil	December,2021
17	Gudivada	5.00	32%	Nil	December,2021
18	Chilakaluripet	5.00	20%	Nil	December,2021
19	Ongole	15.00	40%	Nil	December,2021
20	Kavali	15.00	71%	Nil	December,2021
21	Madanapalle	5.00	12%	Nil	December,2021
22	Srikalahasti	7.00	8%	Nil	December,2021
23	Anantapuram	10.00	0%	Nil	December,2021
24	Dharmavaram	15.00	0%	Nil	December,2021
25	Guntakal	8.00	0%	Nil	December,2021
26	Kurnool	10.00	10%	Nil	December,2021
27	Nandyal	10.00	2%	Nil	December,2021
28	Adoni	5.00	10%	Nil	December,2021
29	Kadapa	20.00	0%	Nil	December,2021
32	Guntur	123.00	50%	24000	June,2022
	Total	458.90		100512	

* I & D are inclusive of STP work.

Details of Proposed STPs in the State

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
1	Kanigiri	5.00	Under Tendering	Two years after date of award of the work
2	Sullurpet	9.00		
3	Allagadda	5.00		
4	Nandikotkur	5.00		
5	Madakasira	5.00		
6	Pulivendula	14.00		
7	Rayachoti	22.40		
	Total	65.40		

Existing STPS Sever Connections:

At present in 12 ULBs Namely Visakhapatnam, Vijayawada, Tirupathi, Rajahmundry, Kadapa, Pulivendula, Puttaparthi, Tadipatri, Narsaraopeta, Nellore, Kurnool and Tadepalli are having underground drainage schemes which are functioning with a total treatment capacity of 515.85 MLD.

Sl. No.	Name of the Municipality/Corporation	Capacity (in MLD)	Length of Sewer Lines in Kms	No. of HSCs
1	2	3	4	5
1	GVMC- Visakhapatnam	177.00	820	89000
2	Vijayawada Municipal Corporation	130.00	1098	67113
3	Tirupathi Municipal Corporation	50.00	280	22384
4	Rajahmendravaram	30.00	15.30	-
5	Kadapa	20.00	283	13250
6	Tadipatri	11.50	280	14365
7	Pulivendula	6.50	147	15682
8	Puttaparthi	1.50	33.00	4000
9	Narsaraopeta	15.55	88.13	12000
10	Nellore	71.00	456.00	55000
11	Kurnool	2.40	-	-
12	Tadepalli	0.40	-	-
	Total	515.85	3500.53	292794

IV Details of Industrial Pollution:

- No. of industries in the State: 9941 No's
- No. of water polluting industries in the State: 1069 No's
- Quantity of effluent generated from the industries in MLD: 4494.33 MLD

(Note: The breakup details of the quantity of industrial wastewater generated and discharged (disposal point) from different sections like process wastewater, non-

process waste water, cooling tower blow down, boiler blow down, once through cooling water etc will be submitted later.)

- Quantity of Hazardous Sludge generated from the Industries in TPD:
1,47,1388 TPA
- Number of industrial units having ETPs: 1069 No's
- Number of industrial units connected to CETP: 330 No's
- Number and total capacity of ETPs (details of existing/ under construction / proposed)
 - i. Existing: 1069 no's ETPs
 - ii. Under construction: nil
 - iii. Proposed: nil
- Compliance status of the ETPs: APPCB is regularly monitoring the compliance status of ETPs
- Number and total capacity of CETPs (details of existing/ under construction / proposed)
 - i. Existing: 7 No's with total capacity of 31 MLD
 - ii. Under construction: Nil
 - iii. Proposed: Nil
- **Status of compliance and operation of the CETPs**

S.N o.	Name and Address of the CETP & contact person	Design capacity	Current Operating capacity	Type and No. of member units
1.	Brandix India Apparel City Private Limited, APSEZ, Atchutapuram Pudimadaka Road, Visakhapatnam.	20 MLD	4 MLD	Textile park- 14 units
2.	Ramky Pharma City (India) Ltd, JN Pharma City, Parawada Mandal, Visakhapatnam.	5.0 MLD	4.8 MLD	Pharmaceutical & Bulk drugs-92 units
3.	Kondapally Envirotech Pvt. Ltd., (KEPL), IDA, Kondapalli(V), Ibrahimpattam (M), Krishna District.	0.2 MLD	0.15 MLD	Pharmaceutical & Bulk drugs-13 units
4.	Vijayawada Auto Cluster Development Company, Industrial Estate, Auto Nagar, Vijayawada.	0.2 MLD	0.2 MLD	Food beverages, Herbal pharma, Oil solvents & lubricants - 38 units
5.	Machilipattam Imitation	0.07 MLD	0.002	Electro Plating – 48 Units

	Jewellery Park Pvt. Ltd., Jewellery Park, Potheipalli, Machilipatnam.		MLD	
6.	Nagari Dyeing Owners Association, Chinthalapatteda (V), Nagari (M), Chittoor District.	4 MLD	0.8 MLD	Manual Dyeing units - 105 units
7.	Atchuthapuram Effluent Treatment Plant, Atchutapuram Visakhapatnam.	1.5 MLD	Under Trial Runs	Pharmaceutical & Bulk drugs-20 units

V. Solid Waste Management:

- Total number of Urban Local Bodies: **120** and their Population: **1.48** Crore
- Current Municipal Solid Waste Generation: **6850** TPD for 120 ULBs
(10 Newly Constituted ULBs – These ULBs have not yet developed urban Dynamics)
- 2 Waste to Energy Projects covering 13 ULBs are in progress with an installed capacity of 1500 TPD (30 MW),
- 29 wet waste projects covering 32 ULBs treating 1200 TPD with an installed capacity of 1500 TPD are existing.
- 23 wet waste projects covering 24 ULBs are in progress with an installed capacity of 400 TPD,
- 54 Wet waste projects (44 compost and 10 Biomethanation) covering 54 ULBs are proposed and RFP process is in progress and Feasibility study of 2 Waste to Energy projects is under progress
- 72 Material Recovery facilities covering 72 ULBs treating 800 TPD with an installed capacity of 1000 TPD Existing.
- 38 Material Recovery facilities covering 38 ULBs are in progress with an installed capacity of 450 TPD.
- 3 Construction and Demolition waste processing plants in GVMC, VMC and TMC treating 100 TPD with an installed capacity of 200 TPD are existing.
- The Source Segregation in the State is 81 % and capacity utilization of the treatment units is the same percentage, Ward Secretariats and volunteer

system established and unique in the State are ensuring 99 % door to door collection.

- Total no. of wards: 3634. No. of wards having door to door collection service: 3634. No. of wards practicing segregation at source: 2944
- 114 Dumpsites with an area of 1000 acres are existing in the state. Out of which remediation of 4 dumpsites in 4 ULBs (GVMC, VMC, TMC and Tanuku) is under progress
- No Dumpsites of legacy waste are within 1km buffer of both side of the rivers in the State
- A total of 32 No's of outfall points of the major disposal drains have been identified which are contributing to river pollution. All the above 32 No's of outfall points are provided with meshes/ screens to prevent solid waste from falling into the rivers:

ULB Wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	In Progress MSW Facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline	
Addanki	20	3	1	1	90%		
Adoni	81	55	2		85%		
Allagadda	20	13	2		85%		
Amalapuram	26	4	1	1	90%		
Amudalavalasa	19	10	2		85%		
Anantapur	131	42	1		90%	1 WWTP	Nov-21
Atmakur K	22	7	1	1	85%		
Atmakur N	15	2	1		90%	1 WWTP	Nov-21
Badvel	35	6	Decentralized	1		1 WWTP	Nov-21
Bapatla	34	5	1	1	90%		
Bhimavaram	69	2	Decentralized	1		1 WWTP	Nov-21
Bobbili	29	15	2		85%		
Chilakaluripet	49	3	Decentralized	1		1 WWTP	Nov-21
Chimakurthy	15	2	1	1	90%		

Chirala	42	21	2		85%		
Chittoor	92	15	1		90%	1 WWTP	Nov-21
Dharmavaram	62	2	Decentralized	1		1 WWTP	Nov-21
Dhone	29	9	1		90%	1 WWTP	Nov-21
Eluru	106	31	1		90%	1 WWTP	Nov-21
Giddalur	19	9	2		85%		
Gollaprolu	12	1	Decentralized	1		1 WWTP	Nov-21
Gooty	24	4	1		90%	1 WWTP	Nov-21
Gudivada	58	19	1	1	90%		
Gudur K	11	1	Decentralized	1		1 WWTP	Nov-21
Gudur N	36	6	Decentralized	1		1 WWTP	Nov-21
Guntakal	62	20	1		90%	1 WWTP	Nov-21
Guntur	363	24	Decentralized	1		1 WWTP	Nov-21
GVMC	918	510	2		85%		
Hindupur	74	12	1	1	90%		
Ichchapuram	18	9	2		85%		
Jaggiahpet	26	4	Decentralized	2			
Jammalamadugu	22	11	1	1	80%		
JangareddyGudem	26	4	1		90%	1 WWTP	Nov-21
Kadapa	167	55	1		90%	1 WWTP	Nov-21
Kadiri	43	14	1	1	90%		
Kakinada	159	39	1		90%	1 WWTP	Nov-21
Kalyandurgam	21	3	1	1	90%		
Kandukur	28	4	1	1	90%		
Kanigiri	22	11	2		85%		
Kavali	51	8	1		90%	1 WWTP	Nov-21
Kovvur	19	3	1		90%	1 WWTP	Nov-21
Kurnool	224	36	Decentralized	1		1 WWTP	Nov-21
Macherla	28	1	Decentralized	2			
Machilipatnam	89	14	Decentralized	2			
Madakasira	10	2	1	1	80%		

Madanpalle	67	24	1	1	80%		
Mandapeta	26	12	1		90%	1 WWTP	Nov-21
Mangalagiri	36	6	1		90%	1 WWTP	Nov-21
Markapur	35	12	1	1	80%		
Mummidivaram	12	2	1	1	90%		
Mydukur	22	4	Decentralized	1		1 WWTP	Nov-21
Nagari	30	2	Decentralized	1		1 WWTP	Nov-21
Naidupet	22	4	1		90%	1 WWTP	Nov-21
Nandigama	22	4	Decentralized	2			
Nandikotkur	23	7	1		90%	1 WWTP	Nov-21
Nandyal	98	31	1		90%	1 WWTP	Nov-21
Narsapuram	29	5	1		90%	1 WWTP	Nov-21
Narsaraopet	57	30	1		90%	Cluster - Pidugur ala	
Narsipatnam	30	15	2		85%		
Nellimarla	12	2	1		90%	1 WWTP	Nov-21
Nellore	293	45	Decentralized	1		1 WWTP	Nov-21
Nidadavole	21	3	1		90%	1 WWTP	Nov-21
Nuzivid	29	10	1	1	80%		
Ongole	123	63	1	1	90%		
Palakollu	30	2	Decentralized	1		1 WWTP	Nov-21
Palakonda	15	5	1	1	90%		
Palamaneru	25	9	1	1	80%		
Palasakasibug ga	28	10	1	1	80%		
Pamidi	13	2	1		90%	1 WWTP	Nov-21
Parvathipuram	26	1	Decentralized	2			
Pedana	15	1	Decentralized	2			
Peddapuram	24	4	1		90%	1 WWTP	Nov-21
Piduguralla	31	16	2		85%		
Pithapuram	25	1	Decentralized	1		1 WWTP	Nov-21

Ponnur	29	5	1		90%	1 WWTP	Nov-21
Proddutur	79	27	1		90%	1 WWTP	Nov-21
Pulivendula	32	22	2		85%		
Punganur	27	14	2		85%		
Puttaparty	15	8	2		85%		
Puttur	26	2	Decentralized	1		1 WWTP	Nov-21
Rajahmundry	168	76	1		90%	1 WWTP	Nov-21
Rajam	21	7	1	1	80%		
Rajampeta	23	4	Decentralized	1		1 WWTP	Nov-21
Ramachandra puram	21	3	1		90%	1 WWTP	Nov-21
Rayachoti	44	14	1		90%	1 WWTP	Nov-21
Rayadurgam	30	16	2		85%		
Repalle	25	1	Decentralized	2			
Salur	24	12	2		85%		
Samalkota	28	1	Decentralized	1		1 WWTP	Nov-21
Sattenpalle	28	14	1		90%	Cluster - Pidugur ala	
Srikakulam	65	22	1		40%	1 WWTP	Nov-21
SriKalahasti	39	6	1		90%	1 WWTP	Nov-21
Sullurpet	22	11	2		85%		
Tadepalle	34	12	1		90%	1 WWTP	Nov-21
Tadepalligude m	51	2	Decentralized	1		1 WWTP	Nov-21
Tadipatri	53	36	2		90%		
Tanuku	44	7	1		90%	1 WWTP	Nov-21
Tenali	80	41	1		90%	1 WWTP	Nov-21
Thiruvuru	17	3	2		85%		
Tirupati	187	138	2		90%		
Tuni	26	7	1	1	90%		
Venkatagiri	25	2	Decentralized	1		1 WWTP	Nov-21
Vijayawada	507	374	2		85%		
Vinukonda	30	2	Decentralized	2			
Vizianagaram	119	40	1		90%	1	

						WWTP	
Vuyyuru	18	1	Decentralized	2			
Yeleswaram	16	3	1		90%	1 WWTP	Nov-21
Yellamanchali	23	8	1	1	80%		
Yemmiganur	46	2	Decentralized	1		Cluster- Adoni	
Yerraguntla	16	3	Decentralized	1		1 WWTP	Nov-21
Grand Total	6440	2344	101	63		54	

VI Bio-medical Waste Management:

- Total Bio-medical generation: 9258 kg/day
- No. of Hospitals and Health Care Facilities: 10,167 Nos.

Status of Treatment Facility/ CBMWTF	:	Presently, there are 12 Nos. of Common Bio-medical Waste Treatment Facilities (CBMWTFs) in covering total 13 Districts in Andhra Pradesh for treatment and disposal of bio-medical waste
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VII Hazardous Waste Management:

- Total Hazardous Waste generation: 5,15,803 TPA
- No. of Industries generating Hazardous waste: 2683 Nos.
- Treatment Capacity of all TSDFs:
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:

In Andhra Pradesh about 5,15,803 TPA (100%) of hazardous waste is generated. Out which

- Utilizable waste is 3,42,312 TPA (66.4%) (suitable to use as raw material or as alternative fuel viz. Co-processing in Cement Plants so as to conserve the resources),
- Recyclable waste is 23,078 TPA (4.5%) (suitable for recycling /recovery of material viz. oil reclamation units, lead and zinc recovery units),
- Incinerable waste is 3,025 TPA (0.6%) (not suitable for any recycling / reuse and having high calorific value i.e. > 2500 K cal/kg) and
- Land fillable waste is 1,47,388 TPA (28.5%) (not suitable for any recycling / reuse and having low calorific value i.e. < 2500 K cal/kg) is reaching and treated at the TSDFs in Visakhapatnam and Nellore.

- Details of on-going or proposed TSDF : Two TSDF are existing in the State of Andhra Pradesh
- a. Ms Ramky Pharamcity India Pvt Ltd, Parwada, Visahkapatnam.
- b. Ms Coastal Waste Management Project Unit-2 , a division of Mumbai Waste Management Limited, S.P.S.R. Nellore District

VIII Plastic Waste Management:

Total plastic waste generation	46222 TPA (As per Annual Report for the F.Y. 2019-20).
Treatment / Measures adopted for reduction or management of plastic waste	• The recyclable plastic waste generated is being sent to recycling units and the non-recyclable plastic waste is being sent to cement plants and utilizing for road construction in same ULBs. 14 Nos of recyclers registered with APPCB. Total recycling capacity is 17116 TPA. • 28 ULBs tied up with nearby Cement Plants for co-incineration of non- recyclable plastic waste and 5123 MTs of Non recyclable plastic waste was sent to cement plants for the F.Y 2019-20. • The MA&UD and PR&RD Dept., are conducting strict vigilance and surprise visits on those who store or use or sell or dispose plastic with less than 50 microns thickness, for which 519 Task force teams were constituted for inspections and raids to control plastic sale and usage of less than 50 microns thickness carry bags / films in the ULBs of A.P. About 239 tons of plastic carry bags were seized and Rs. 169 lakhs towards fine was collected.

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

Fecal Sludge Treatment Plants (FSTP) are established in various ULBs of the state. These FSTPs are effective in treating the Septic tank waste. In urban areas most of the households are being provided with toilet and septic tanks and the waste from these septic tanks are being de-sludged through operators and same is being unloaded into the existing STPs or FSTPs for scientific treatment

- X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:

A total of 32 No's of Outfall points of the major disposal drains have been identified which are contributing to river pollution and provided wire meshes at all outfall points.

- 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:
XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

(Details are enclosed in the annexure)

- XIV. Ground water regulation:
XV. Good irrigation practices being adopted by the State:
XVI. Rain Water Harvesting:
XVII. Demarcation of Floodplain and removal of illegal encroachments:
XVIII. Maintaining minimum e-flow of river:
XIX. Plantation activities along the rivers:
XX. Development of biodiversity park:
XXI. Reuse of Treated Water:

Reuse of Treated Water: 321.81 MLD

(Details are enclosed in the annexure)

- XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

Water quality of rivers i.e. Godavari, Krishna, Tungabhadra, Nagavali, Kundu of Andhra Pradesh is monitored regularly on monthly basis under National Water Quality Monitoring project (NWMP) by Andhra Pradesh Pollution Control Board.

The abstract of report is as follows and details are furnished as below.

S.No	Name of the River	Priority	BOD acceptable limit (ppm)	Average BOD Levels (ppm)	Water Quality Status
1	Tungabhadra	IV	6 to 10	2.3	Satisfactory
2	Kundu	IV	6 to 10	2.1	Satisfactory

3	Godavari	V	3 to 6	1.7	Satisfactory
4	Krishna	V	3 to 6	1.5	Satisfactory
5	Nagavali	V	3 to 6	1.9	Satisfactory

XXIII. Status of Preparation of Action Plan by the 13 Coastal States:

XXIV. Regulation of Mining Activities in the State/UT:

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring.

J.SYAMALA RAO
SECRETARY TO GOVERNMENT

XIII: Water quality status of polluted river stretches in Andhra Pradesh upto September - 2020

I. River Godavari:

Andhra Pradesh Pollution Control Board is monitoring water quality of river Godavari at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2020 is as follows:

S. No.	Code	Location Point
1	4367	Koundinyamukti (Kukunur) border point between Andhra Pradesh & Telangana States, West Godavari Dist.
2	4359	After confluence with Sabari at Kunavaram (waddigudem), East Godavari Dist.
3	0014	Polavaram, West Godavari Dist.
4	1218	Upstream of Rajahmundry at Kumaradevam
5	2370	At Rajahmundry Upstream of Nalla channel
6	2371	At Rajahmundry Downstream of Nalla channel
7	1219	Downstream of Rajahmundry at Dhawaleswaram
8	4365	Upstream of Narasapuram town before confluence with sewage, West Godavari Dist.
9	4366	Downstream of Narasapuram town after confluence with town sewage, West Godavari Dist.
10	4358	Near GMC Balayogi bridge, Govalanka, East Godavari Dist.

Month-wise data of water quality of river Godavari, 2020

Parameter	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Standard		
											Class A	Class B	Class C
pH	4367	8.5	7.9	8.72	8.68	8.44	8.54	7.2	7.35	7.26	6.0 - 8.5		6.0 – 9.0
	4359	7.9	7.8	7.49	7.69	--	--	--	7.43	6.95			
	0014	8.2	7.6	7.84	7.81	7.62	8.17	7.45	7.62	7.62			
	1218	8.2	7.9	8.48	7.79	7.79	8.14	7.42	7.62	7.18			
	2370	8.3	7.3	7.44	7.52	7.72	7.74	7.43	7.48	7.27			
	2371	8.2	7.9	7.87	7.46	7.70	8.12	6.92	7.23	7.19			
	1219	7.6	7.7	7.81	8.05	7.66	7.59	7.14	7.38	7.20			
	4365	7.7	7.0	7.76	7.50	7.79	8.29	7.33	7.55	6.86			
	4366	7.5	7.8	8.05	8.68	7.62	8.32	7.56	7.37	7.14			
	4358	7.5	7.7	7.0	7.8	7.92	8.11	7.33	7.50	7.32			
DO	4367	6.4	6.9	7.7	6.5	6.8	7.5	6.8	6.7	7.2	6.0	5.0	4.0
	4359	6.2	6.9	8.0	6.8	--	--	--	6.2	7.0			
	0014	6.5	6.8	6.5	6.6	6.9	6.5	6.5	6.8	6.8			
	1218	6.3	6.4	6.8	6.8	7.5	7.7	6.4	6.5	7.3			
	2370	7.8	6.5	8.5	6.8	7.2	7.2	6.8	6.2	6.8			
	2371	7.5	5.9	6.5	6.4	7.0	6.6	6.5	6.0	6.3			
	1219	6.5	7.5	8.4	6.2	6.6	6.3	7.0	6.6	7.0			
	4365	6.8	8.4	6.2	5.6	6.1	6.4	6.7	6.4	6.8			
	4366	7.4	6.0	6.0	5.3	5.9	6.2	6.0	6.2	6.4			
	4358	6.0	6.6	4.8	5.8	5.0	4.8	5.5	6.5	6.0			
BOD	4367	1.4	2.0	1.8	1.9	2.2	1.5	1.0	2.2	2.2	2.0	3.0	3.0
	4359	2.0	1.3	1.5	1.3	--	--	--	1.4	1.8			
	0014	2.0	1.8	2.3	1.5	1.2	1.3	1.6	1.2	1.2			
	1218	1.3	1.8	1.4	1.2	1.1	1.2	1.8	1.4	2.0			
	2370	2.0	1.8	2.2	1.3	1.4	1.2	1.2	2.0	1.5			
	2371	2.5	2.3	1.8	2.0	1.8	2.0	1.6	2.6	2.2			
	1219	2.6	2.5	1.4	2.2	1.0	1.8	1.3	2.4	1.5			
	4365	2.2	2.2	2.0	2.2	1.6	1.6	1.0	2.0	1.8			
	4366	1.8	2.6	2.4	2.8	2.3	1.8	1.2	2.4	2.0			
	4358	0.9	1.7	2.8	2.6	2.8	2.6	1.1	2.2	1.5			

Total Coliform	4367	120	150	120	210	150	64	120	120	120	50	500	5000
	4359	64	45	69	69	--	--	--	93	120			
	0014	210	120	93	64	64	64	120	120	150			
	1218	150	150	69	75	64	64	150	120	150			
	2370	150	93	120	93	93	94	240	120	150			
	2371	240	150	150	120	120	120	460	240	240			
	1219	210	120	150	120	150	120	150	210	210			
	4365	210	93	150	150	150	210	150	240	150			
	4366	240	240	150	240	210	240	460	460	210			
4358	210	120	120	93	93	120	150	120	120	---	500	---	
4367	11	15	11	4	9	4	9	9	9				
4359	4	11	3	4	--	--	--	7	9				
0014	7	9	7	4	<3	4	7	7	9				
1218	11	11	4	4	4	3	11	9	15				
2370	11	7	11	7	7	7	9	7	7				
2371	15	9	15	11	11	11	15	21	15				
1219	15	15	15	9	9	9	11	15	15				
4365	15	7	11	9	11	15	15	15	15				
4366	20	21	11	15	15	21	15	21	21	500 - 2000			
4358	11	11	9	7	7	9	9	7	7				
4367	212	508	232	320	408	192	172	212	128				
4359	86	98	74	74	--	--	--	136	116				
0014	160	144	180	72	116	144	128	128	132				
1218	184	168	180	78	120	152	112	118	160				
2370	176	136	168	108	188	144	164	148	196				
2371	188	186	148	136	212	162	220	164	224				
1219	180	180	126	84	152	136	144	162	184				
4365	13520	136	27140	32868	21312	13240	152	380	148				
4366	19424	18104	35276	34840	29576	18460	340	980	196				
4358	17692	26584	4212	31472	25752	10120	3744	744	232				

Note: (1) All values are expressed in mg/L except pH & Total Coliform value. Total Coliform is expressed in MPN count / 100 ml.

Remarks: BOD & fecal coliform values found to be within the standard limits stipulated for bathing at all the locations except at U/S & D/S of Narsapuram town. High TDS values at Narsapuram & GMC Balayogi bridge, Govalanka could be attributed to the intrusion of backwaters of Bay of Bengal.

2. River Krishna:

Andhra Pradesh Pollution Control Board is monitoring water quality of river Krishna at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2020 is as follows:

S. No.	Code	Location point
01	1175	Sangameswaram, Kurnool Dist.
02	3083	Srisailam, Kurnool Dist.
03	4381	After confluence with river Musi at Vadapalli, Guntur Dist.
04	1786	Vedadri, Krishna Dist.
05	1787	Amaravathi, Guntur Dist.
06	0025	Prakasham barrage, Vijayawada, Krishna Dist.
07	4375	Pavitrasangamam at Ibrahimpatnam, Krishna Dist.
08	1782	Hamsaladeevi, Krishna Dist.

Month-wise data of water quality of river Krishna, 2020:

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	*Standard		
											Class A	Class B	Class C
pH	1175	7.4	7.3	7.4	6.9	6.6	7.50	7.80	7.50	7.3	6.0 - 8.5	6.0 - 9.0	
	3083	7.3	7.5	7.7	7.1	6.7	7.10	7.60	7.50	7.5			
	4381	7.9	7.9	7.72	7.71	7.69	7.97	7.64	7.84	7.64			
	1786	7.8	7.8	7.82	7.29	7.81	7.97	7.94	7.96	7.84			
	1787	7.7	7.6	7.82	7.47	7.67	7.83	7.74	7.76	7.69			
	0025	7.8	7.2	7.80	7.71	7.74	7.92	7.82	8.43	7.51			
	4375	7.8	7.7	7.72	7.67	7.79	7.82	7.70	8.31	7.57			

	1782	7.8	8.0	7.96	7.93	7.41	7.68	7.42	7.67	7.45			
DO	1175	6.4	7.3	6.4	4.9	5.6	5.9	5.2	5.4	6.5	6.0	5.0	4.0
	3083	6.3	7.5	6.3	5.2	5.8	5.9	5.7	5.8	6.8			
	4381	7.5	7.9	7.4	7.2	6.8	7.3	7.3	7.1	7.2			
	1786	7.5	7.8	6.8	6.8	6.9	7.6	7.2	7.3	7.2			
	1787	7.4	7.6	7.3	7.1	6.9	7.3	7.1	7.2	7.1			
	0025	7.2	7.2	7.1	7.2	7.2	7.1	7.5	7.1	7.0			
	4375	7.2	7.7	7.2	7.1	7.2	7.1	7.4	7.2	7.1			
	1782	4.6	8.0	4.6	4.8	4.5	4.8	4.6	4.4	4.2			
BOD	1175	1.5	1.3	1.2	1.0	2.2	1.7	2.6	1.6	1.0	2.0	3.0	3.0
	3083	1.3	1.2	1.0	0.8	2.2	1.2	0.8	1.0	1.5			
	4381	1.6	1.8	1.8	0.8	2.4	2.0	1.2	1.4	1.8			
	1786	1.2	1.4	1.6	1.4	2.2	1.8	2.0	1.8	2.0			
	1787	1.0	1.2	1.0	0.8	1.2	1.4	1.2	1.0	0.8			
	0025	1.2	1.2	1.2	1.0	1.6	1.2	1.8	1.4	1.2			
	4375	1.0	1.2	1.0	0.8	1.6	1.4	1.2	1.0	0.8			
	1782	2.2	2.4	2.6	2.2	2.6	2.0	2.4	2.2	2.0			
Total Coliform	1175	500	700	900	400	700	500	500	300	300	50	500	5000
	3083	800	1400	900	400	800	800	600	800	500			
	4381	250	240	210	120	210	240	150	120	120			
	1786	150	150	150	120	380	150	93	75	75			
	1787	130	210	120	150	240	120	120	120	150			
	0025	230	210	210	150	210	150	120	120	150			
	4375	230	210	120	210	150	120	120	93	75			
	1782	120	75	120	120	120	150	120	150	120			
Fecal Coliform	1175	100	100	100	100	100	100	100	100	100	---	500	---
	3083	<3	200	300	100	100	100	100	200	100			
	4381	<3	<3	<3	<3	<3	<3	<3	<3	<3			

	1786	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	1787	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	0025	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	4375	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	1782	<3	<3	<3	<3	<3	<3	<3	<3	<3			
TDS	1175	316	402	386	482	520	587	744	486	274	500 - 2000		
	3083	318	326	356	340	364	368	467	468	348			
	4381	440	410	460	376	732	446	420	580	490			
	1786	320	490	510	464	620	446	420	390	418			
	1787	342	365	420	474	620	398	360	402	350			
	0025	265	340	390	407	550	425	468	350	348			
	4375	258	270	284	250	468	560	230	270	190			
	1782	22800	12720	22100	23300	19300	20600	18300	14270	13900			
Note: All values are expressed in mg/L except pH, Total Coliform value & Fecal coliform. Total Coliform & Fecal Coliform is expressed in MPN count / 100 ml.													
Remarks: BOD & fecal coliform values found to be within the standard limits stipulated for bathing at all the locations. High TDS values at Hamsaladeevi could be attributed due to the intrusion of backwaters of Bay of Bengal.													

3. River Tungabhadra:

Andhra Pradesh Pollution Control Board is monitoring water quality of river Tungabhadra at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2020 is as follows:

S. No.	Code	Location point
01	1785	Manthralayam, Kurnool Dist.
02	1174	Bhavapuram, Kurnool Dist.
03	4388	U/S of Kurnool town B/C with domestic sewage & A/c of Rayalaseema alkalies industries at Gondiparla, Kurnool.
04	4389	D/S of Kurnool town A/C with domestic sewage at Gondiparla, Kurnool.

Month-wise data of water quality of river Tungabhadra, 2020

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	*Standard		
											Class A	Class B	Class C
pH	1785	7.9	7.8	7.9	7.3	7.2	7.7	6.9	7.0	7.6	6.0 – 8.5 6.0 – 9.0		
	1174	7.7	7.4	7.8	7.4	7.3	7.6	7.8	7.5	7.9			
	4388	7.0	7.1	7.2	6.6	6.2	6.7	7.0	6.8	7.6			
	4389	7.3	7.1	7.6	7.0	7.2	7.8	7.6	7.5	7.6			
DO	1785	5.6	5.3	5.9	5.4	5.7	5.7	5.4	5.7	6.6	6.0	5.0	4.0
	1174	5.5	5.7	5.7	6.2	5.5	5.4	5.7	5.6	6.6			
	4388	5.4	5.6	5.7	5.1	5.4	5.5	5.2	5.1	6.4			
	4389	5.3	5.5	5.0	4.3	5.4	5.8	5.2	5.3	6.2			
BOD	1785	2.2	2.3	2.7	2.6	2.8	2.5	1.4	2.8	1.8	2.0	3.0	3.0
	1174	2.3	2.5	2.5	1.6	3.0	2.5	2.6	2.2	1.3			
	4388	2.0	1.9	2.5	3.0	3.0	2.7	1.0	2.2	1.7			

	4389	2.5	2.8	2.8	2.9	2.3	2.3	0.8	1.8	1.3			
Total Coliform	1785	700	1500	800	800	800	600	700	800	400	50	500	5000
	1174	800	1200	800	400	600	500	600	600	400			
	4388	100	1200	700	700	800	900	800	400	500			
	4389	1300	1500	800	800	900	800	600	400	800			
Fecal Coliform	1785	100	400	300	200	200	100	100	300	100	---	500	---
	1174	200	300	200	100	200	200	100	200	100			
	4388	100	100	100	300	200	200	200	100	100			
	4389	200	300	200	300	100	100	100	100	200			
TDS	1785	1120	897	626	686	952	817	748	523	253	500 - 2000		
	1174	810	845	764	1084	1210	956	836	634	421			
	4388	944	1012	984	1786	2010	1769	1180	792	438			
	4389	756	745	603	1248	1328	1175	1086	587	438			
Note: All values are expressed in mg/L except pH, Total Coliform value & Fecal coliform. Total Coliform & Fecal Coliform is expressed in MPN count / 100 ml.													
Remarks: BOD & fecal coliform values found to be within the standard limits stipulated for bathing at all the locations. However, the DO values found to be between 4.0 and 5.0 mg/lit. at certain instances at U/S & D/S of Kurnool town. Hence, they may be categorized as Class – C at these points.													

4. River Nagavali:

Andhra Pradesh Pollution Control Board is monitoring water quality of river Nagavali at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2020 is as follows:

S. No.	Code	Location point
01	4351	River Nagavali at Kureru, Vizianagaram Dist.
02	1448	Thotapally, Vizianagaram Dist.
03	4346	River Nagavali U/S of Srikakulam town.
04	4347	River Nagavali D/S of Srikakulam town.

Month-wise data of water quality of river Nagavali, 2020

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	*Standard			
											Class A	Class B	Class C	
pH	4351	7.5	7.8	7.76	8.25	8.0	8.3	7.59	7.51	7.45	6.0 – 8.5	6.0 – 9.0		
	1448	7.5	8.0	8.13	8.46	7.71	8.11	7.65	7.65	7.41				
	4346	7.2	7.8	Dried	8.38	7.86	8.25	7.68	7.50	7.69				
	4347	7.1	7.1	Dried	8.73	7.84	8.2	7.63	7.84	7.42				
DO	4351	8.0	6.9	6.7	6.5	6.0	6.5	7.6	8.0	6.5	6.0	5.0	4.0	
	1448	6.8	5.9	6.5	6.7	5.9	5.9	5.8	6.2	7.3				
	4346	8.2	8.3	Dried	6.2	6.0	8.2	8.0	6.2	8.5				
	4347	5.5	7.9	Dried	6.0	5.8	8.0	7.8	5.3	6.5				
BOD	4351	2.8	1.0	1.4	1.4	1.5	1.0	1.4	2.5	1.8	2.0	3.0	3.0	
	1448	2.7	2.7	2.5	2.2	1.4	1.4	1.7	1.7	1.8				
	4346	2.6	2.7	Dried	2.0	1.2	2.4	1.0	2.2	1.5				
	4347	4.5	2.9	Dried	2.8	2.3	2.8	2.0	2.4	1.7				
Total Coliform	4351	210	69	150	120	150	120	150	120	120	50	500	5000	
	1448	240	150	120	120	93	69	120	150	150				
	4346	150	150	Dried	210	75	94	150	120	150				
	4347	460	210	Dried	460	120	120	460	150	210				
Fecal Coliform	4351	11	7	15	7	9	11	15	9	15	---	500	---	
	1448	11	15	11	7	4	4	11	15	11				
	4346	9	21	Dried	15	7	7	11	7	9				
	4347	15	23	Dried	21	11	11	21	9	15				
TDS	4351	136	180	260	140	252	188	204	208	192	500 - 2000			
	1448	156	232	232	220	216	160	192	172	200				
	4346	332	312	Dried	224	240	208	196	240	264				
	4347	748	284	Dried	418	276	214	232	280	324				
Note: All values are expressed in mg/L except pH, Total Coliform value & Fecal coliform. Total Coliform & Fecal coliform is expressed in MPN count / 100 ml.														
Remarks: BOD & Fecal coliform values found to within the standard limits stipulated for bathing at all the locations.														

5. River Kundu:

Andhra Pradesh Pollution Control Board is monitoring water quality of river Kundu at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2020 is as follows:

S. No.	Code	Location point
1	2351	At Nandyal, Kurnool Dist.

Month-wise data of water quality of river Kundu, 2020

Parameters	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	*Standard		
										Class A	Class B	Class C
pH	7.2	7.6	7.0	6.3	5.9	6.8	6.8	7.1	7.0	6.0 – 8.5		6.0 – 9.0
DO	5.3	5.2	4.9	4.7	5.2	5.1	5.1	5.4	6.3	6.0	5.0	4.0
BOD	2.3	2.5	2.4	1.2	2.8	2.0	1.2	2.3	2.5	2.0	3.0	3.0
Total Coliform	1100	1600	900	600	900	900	700	600	600	50	500	5000
Fecal Coliform	200	400	100	200	300	300	200	200	200	---	500	---
TDS	461	656	512	624	728	834	752	664	384	500 - 2000		

Note: All values are expressed in mg/L except pH, Total Coliform & Fecal Coliform value. Total Coliform & Fecal Coliform is expressed in MPN count / 100 ml.

Remarks: BOD & Fecal Coliform values found to be within the standard limits stipulated for bathing.

CPCB Water Quality Criteria for Designated Best Use

Designated-best- use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection.	A	• Total Coli forms Organism MPN/100 ml shall be 50 or less. • pH between 6.5 and 8.5 • Dissolved oxygen 6 mg/l or more. • Biochemical Oxygen Demand 5 days 20°C 2mg/l or less.
Outdoor bathing (Organized)	B	• Total Coli forms Organism MPN/100 ml shall be 500 or less. • pH between 6.5 and 8.5 • Dissolved oxygen 5 mg/l or more. • Biochemical Oxygen Demand 5 days 20°C 3mg/l or less.
Drinking Water Source after conventional treatment and disinfection.	C	• Total Coli forms Organism MPN/100 ml shall be 5000 or less. • pH between 6 to 9 • Dissolved oxygen 4 mg/l or more. • Biochemical Oxygen Demand 5 days 20°C 3mg/l or less
Propagation of Wild life and Fisheries.	D	• pH between 6.5 to 8.5 • Dissolved oxygen 4 mg/l or more. • Free Ammonia (as N) 1.2 mg/l or less • pH 9 between 6.0 to 8.5.
Irrigation, Industrial Cooling, Controlled Waste disposal.	E	• Electrical Conductivity at 25°C micro mhos/cm Max. 2250. • Sodium Absorption ratio Max. 26 • Boron Max.2 mg/l.
	Below -E	Not Meeting A, B, C, D & E Criteria.

Annexure (Inventory)									
Details of Existing STPs & RE-USE of Treated Water									
Sl. No	City / Town	Location of STP with Coordinates (Latitude and Longitude, If available)	Date of Commissioning	Status (Operational / Non-Operational / Under Construction)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR/ FAB Etc.)	Reuse of treated sewage with Quantity	Compliance Status (Comply / Non-comply / Partially Comply.)
1	2	3	4	5	6	7	8	9	10
1	GVMC	Old town (Lakshmi Talikies) Ward No.25	May'2019	Operational	38.00	100.95	Activated Sludge Process	0.20 MLD for road dust suppression and 0.50 MLD for plantation	Comply
		Appughar Ward no. 07	26.09.2010		25.00		Activated Sludge Process	Agriculture	Comply
		Mudasarlova Ward No.01	April'2008		13.00		Activated Sludge Process	For Golf club gardening and plantation near Mudasarlova park	Comply
		Narava (108.00 MLD) Ward No.57	Aug-01		54.00		Activated Sludge Process	Agriculture	Comply
		Anakapalle (Shankaram) Ward No.98	April'2018		15.00		Activated Sludge Process	Agriculture	Comply
		Madinabagh (GWK Zone-V adjacent to Steel Plant) Ward No.55			2.00		MBBR		Comply
		Yathapalem Colonies (near Gangavaram APIIC Area in Gajuwaka of Zone-V) Ward No.50	April'2008		2.50		FAB	Agriculture	Comply
		Srinagar in Gajuwaka area of Zone-V Ward No.61	April'2008		0.50		FAB	Railway plantation	Comply
		Karnavanipalem / GWK APIIC Colony Ward No.51	Dec' 2019		5.00		MBBR		Comply
		Mantripalem / 32 peripherals near Lankelapalem Junction	April' 2008		1.00		MBBR		Comply

Annexure (Inventory)									
Details of Existing STPs & RE-USE of Treated Water									
Sl. No	City / Town	Location of STP with Coordinates (Latitude and Longitude, if available)	Date of Commissioning	Status (Operational / Non-Operational / Under Construction)	Installed Capacity of STP (in MLD)	Actual Utilization of Installed Capacity (in MLD)	Technology (UASB / ASP / OP / SBR / MBR/ FAB Etc.)	Reuse of treated sewage with Quantity	Compliance Status (Comply / Non-comply / Partially Comply.)
1	2	3	4	5	6	7	8	9	10
1	GVMC	Aganampudi / 32 Peripherals Gajuwaka Area near Duvvada Ward No.57	Dec' 2015		6.00		MBBR		Comply
		Rathi Cheruvu / Pendurthy Ward No.71	Sep' 2019		2.00		MBBR		Comply
		Kommadi / Madhurawada Ward No.05	Aug' 2018		4.00		MBBR		Comply
		Bakkannapalem / Madhurawada Ward No.04	Aug' 2011		1.00		MBBR		Comply
		Marikavalasa (Survey No. 179) in Madhurawada in Zone-I Ward No.05	Dec' 2012		2.00		MBBR		Comply
		Vambay Colony in Madhurawada in Zone-I Ward No.04	Aug' 2011		3.00		MBBR		Comply
		YSR Nagar (Survey No. 27) in Madhurawada in Zone-I Ward No.04	Aug' 2011		2.00		MBBR		Comply
		Boyapalem / Paradesipalem / Madhurawada Ward No.05	Aug' 2011		1.00		MBBR		Comply
2	Rajamahendravaram	Hukumpeta	03.01.2009	Operational	30	30.00	UASB	Grass fields 20 MLD	Comply
3	Vijayawada	Ajith Singh Nagar	31.05.2011	Operational	40.00	39.52	UASBR	38.53	Comply
		Ajith Singh Nagar	31.05.2012	Operational	20.00	20.00	UASBR	19.53	Comply
		Ramalingeswar Nagar	30.06.2012	Operational	20.00	19.74	UASBR	19.34	Comply
		Ramalingeswar Nagar	20.10.2006	Operational	10.00	9.80	Extended Aeration System	9.6	Comply
		Autonagar Nagar (Old)	31.03.2005	Operational	10.00	9.70	Extended Aeration System	9.4	Comply
		Jakkampudi	31.07.2017	Operational	20.00	13.50	UASBR	13.5	Comply

Annexure (Inventory)									
Details of Existing STPs & RE-USE of Treated Water									
Sl. No	City / Town	Location of STP with Coordinates (Latitude and Longitude, If available)	Date of Commissioning	Status (Operational / Non-Operational / Under Construction)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR/ FAB Etc.)	Reuse of treated sewage with Quantity	Compliance Status (Comply / Non-comply / Partially Comply.)
1	2	3	4	5	6	7	8	9	10
		Autonagar Nagar (New)	31.12.2018	Operational	10.00	9.80	MBBR	9.8	Comply
4	Tirupathi	Thukivakam		Operational	50.00	33.00	Facultative ponds	Agricultural purpose-47.5 MLD Industrial Purpose-2.5 MLD	Comply
5	Kadapa	Nanapally	02.08.2012	Partly Operational	20.00	10.00	Extended Aeration	Irrigation & greenery-4MLD	Comply
6	Pulivendula	Rotarypuram	25.01.2009	Partly Operational	6.50	2.50	Oxidation Ponds		Comply
7	Tadipatri	Gannevaripalle	10.10.2010	Operational	3.50	6.50	Oxidation Ponds	Greenery-0.126 MLD	Comply
		Gannevaripalle	10.10.2010	Operational	8.00			Agricultural purpose-5.87 MLD	Comply
8	Puttaparthi	1.Sai Nagar 0.5 Mld		Operational	0.50	0.50	Oxidation Ponds		Comply
		2. Gokulam 0.5 Mld		Under Rehabilitation	0.50				Comply
		3. Prasanthi Gram 0.5 Mld		Under Rehabilitation	0.50				Comply
9	Narsaraopeta	Back Side of Dump yard CPT Road	02.02.2018	Operational	15.55	8.50	A2O		Comply
10	Nellore	Janardhan Reddy Colony		Under Construction	55.00	5.00	SBR		Comply
		Allepuram		Under Construction	11.00				Comply
		Drivers Colony		Under Construction	5.00				Comply
11	Kurnool	Jammichettu	12.03.2019	Operational	0.80	2.40	SBT		Comply
		Sankal Bagh	12.03.2019	Operational	0.80				Comply
		Tungabhadra PumpHouse	10.03.2018	Operational	0.80				Comply
12	Tadepalli	Mahanadu, Road no.7	10.12.2018	Operational	0.20	0.20			Comply
		Mahanadu Road no.13	15.12.2018		0.20	0.20			Comply
TOTAL					515.85	321.81			