

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

Letter No. 1282446/UBS/2020

Dated: 21-01-2021

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:- MA & UD Department - 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
December, 2020 - furnished – Regarding.

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

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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 December, 2020 for taking
further necessary action.

Yours faithfully,

G. Sudha Rani
For SECRETARY TO GOVERNMENT



National Mission for Clean Ganga
Format for submission of Monthly Progress Report for
the month of December, 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 Urban Population: 1.48 Cr
- II. Estimated Sewage Generation: 1463.20 MLD

III. Details of Sewage Treatment Plants:

- Existing no. of STPs and Treatment Capacity (in MLD) : 515.85 MLD (43 No's)
- Present Gap in Treatment Capacity in MLD : 947.35 MLD
- Capacity of under construction STP's (32 No's) : 473.77 MLD
- No. of Operational STPs : 43 Nos
- No. of Complying STPs : 43 Nos
- No. of Non-complying STPs : Nil

III A): Details of Each Existing STP in the State:

Sl. No	City / Town	Location of STP	Date of Commissioning	Existing STP Capacity (in MLD)	Operational Status of STP	Compliance Status of STP
1	Visakhapatnam (GVMC)	Old town	May'2019	38.00	Operational	Comply
2		Appughar	26.09.2010	25.00	Operational	Comply
3		Mudasarlova	April'2008	13.00	Operational	Comply
4		Narava	Aug-01	54.00	Operational	Comply
5		Anakapalle	April'2018	15.00	Operational	Comply
6		Madinabagh		2.00	Operational	Comply
7		Yathapalem Colonies	April'2008	2.50	Operational	Comply
8		Gajuwaka	April'2008	0.50	Operational	Comply
9		Karnavanipalem	Dec' 2019	5.00	Operational	Comply
10		Mantripalem	April' 2008	1.00	Operational	Comply
11		Aganampudi	Dec' 2015	6.00	Operational	Comply
12		RathiCheruvu	Sep' 2019	2.00	Operational	Comply
13		Kommadi / Madhurawada	Aug' 2018	4.00	Operational	Comply
14		Bakkannapalem	Aug' 2011	1.00	Operational	Comply
15		Marikavalasa	Dec' 2012	2.00	Operational	Comply

16		Vambay Colony	Aug' 2011	3.00	Operational	Comply
17		YSR Nagar	Aug' 2011	2.00	Operational	Comply
18		Boyapalem	Aug' 2011	1.00	Operational	Comply
			Total	177.00		
19	Rajamahendravaram	Hukumpeta	03.01.2009	30.00	Operational	Comply
20	Vijayawada	Ajith Singh Nagar-1	31.05.2011	40.00	Operational	Comply
21		Ajith Singh Nagar-2	31.05.2012	20.00	Operational	Comply
22		Ramalingeswar Nagar-1	30.06.2012	20.00	Operational	Comply
23		Ramalingeswar Nagar-2	20.10.2006	10.00	Operational	Comply
24		Autonagar Nagar-1	31.03.2005	10.00	Operational	Comply
25		Autonagar Nagar-2	31.12.2018	10.00	Operational	Comply
26		Jakkampudi	31.07.2017	20.00	Operational	Comply
				130.00		
27	Tirupathi	Thukivakam		50.00	Operational	Comply
28	Kadapa	Nanapally	02.08.2012	20.00	Partly Operational	Comply
29	Pulivendula	Rotarypuram	25.01.2009	6.50	Partly Operational	Comply
30	Tadipatri	Gannevaripalle	10.10.2010	3.50	Operational	Comply
31		Gannevaripalle	10.10.2010	8.00	Operational	Comply
				11.50		
32	Puttaparthi	1.Sai Nagar	20.7.2001	0.50	Operational	Comply
33		2. Gokulam	20.7.2001	0.50	Under Rehabilitation	Comply
34		3. Prasanthi Gram	20.7.2001	0.50	Under Rehabilitation	Comply
				1.50		
35	Narsaraopeta	CPT Road	02.02.2018	15.55	Operational	Comply
36	Nellore	Janardhan Reddy Colony		5.00	Under Construction	Comply
37		Allepuram		55.00	Under Construction	Comply
38		Drivers Colony		11.00	Under Construction	Comply
				71.00		
39	Kurnool	Jammichettu	12.03.2019	0.80	Operational	Comply
40		SankalBagh	12.03.2019	0.80	Operational	Comply
41		Tungabhadra PumpHouse	10.03.2018	0.80	Operational	Comply
				2.40		

42	Tadepalli	Mahanadu-1	10.12.2018	0.20	Operational	Comply
43		Mahanadu-2	15.12.2018	0.20		Comply
	TOTAL			515.85		

III B) Details of Under Construction STPs in the State:

S.No.	Location	Scheme Name	Capacity of the plant in MLD	Physical Progress in %	Completion Timeline
1	Srikakulam	AMRUT	10.00	45%	December2021
2	Vizianagaram	AMRUT	5.00	53%	March2021
3	GVMC	JnNURM	2.00	50%	March2021
4	GVMC	Smart City (Package-I)	46.00	48%	December2021
5	Kakinada	AMRUT	5.00	24%	December2021
6	Rajamahendravaram	AMRUT	5.00	5%	December2021
7	Bhimavaram	AMRUT	5.00	22%	December2021
8	Tadepalligudem	AMRUT	5.00	0%	December2021
9	Eluru	AMRUT	5.00	29%	December2021
10	Machilipatnam	AMRUT	5.00	45%	December2021
11	Gudivada	AMRUT	5.00	32%	December2021
12	Vijayawada	JnNURM	20.00	83%	December2021
13	Guntur	OTSFA	123.00	50%	Jun2022
14	Tenali	AMRUT	10.00	25%	December2021
15	Tenali	14 FC	2.00	5%	December2021
16	Ongole	AMRUT	15.00	40%	December2021
17	Chilakaluripeta	AMRUT	5.00	20%	December2021
18	Kavali	AMRUT	15.00	71%	December2021
19	Nellore	HUDCO	34.00	81%	December2021
20	Tirupati	Smart City	25.00	25%	December2021
21	Srikalahasti	AMRUT	7.00	8%	December2021
22	Madanapalle	AMRUT	5.00	12%	December2021
23	Kadapa	AMRUT	20.00	0%	December2021
24	Anantapuramu	AMRUT	10.00	0%	December2021
25	Dharmavaram	AMRUT	15.00	0%	December2021
26	Guntakal	AMRUT	8.00	0%	December2021
27	Kurnool	AMRUT	2.00	20%	December2021
28	Kurnool	AMRUT	10.00	5%	December2021
29	Nandyal	AMRUT	10.00	5%	December2021
30	Yemmiganur	UIDSSMT	19.50	96%	December2021
31	Adoni	AMRUT	5.00	10%	December2021
32	Pulivendula	PLAN	15.27	0%	December2022
Total			473.77		

III C) Details of proposed STPs in the State

S.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	6.00	Tenders have been called & to be opened on 1 st February 2021	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	Rayachoti	22.40		
	Total	52.40		

III.D) STPs in Proposal stage:

Phase	Description	No. of ULBs	Proposed Total STP capacities (MLD)	Requirement of Funds for Total STPs (crores)
I	Municipal Corporations	16	407.93	571.20
II	ULBs having population above 1 Lakhs	17	218.73	305.20
III	ULBs having Population ranging between 75,000 to 1 Lakh	7	57.68	114.00
IV	ULBs having Population less than 75,000	78	530.93	1058.00
	Total		1215.27	2048.40

III E) STATUS OF STPs UNDER RIVER STRETCHES:

- Total Estimated Sewage Generation (in MLD) 2020 : 302.00 MLD
- Existing no. of STP with Treatment Capacity (in MLD) : 162.40 MLD
- Present Gap in Treatment Capacity (in MLD) : 139.60 MLD
- Capacity of under Construction STPs (in MLD) : 57.00 MLD

S.No	Name of River Stretch	Name of the ULB	STP Capacity	Status of Ongoing Works	Status of DPRs
PRIORITY-IV RIVERS					
1.	Tungabhadra	Kurnool	10 MLD	5%	DPR prepared for Rs.304.00 Crores proposed additional STPs of 78 MLD to satisfy the demand for the year 2035 and submitted to the Govt. of Andhra Pradesh for according administrative sanction. 1.At Tungabhadra pumphouse- 5.00 MLD 2. At RojaDargha -3.00 MLD 3. At RojaDargha – I -2.00 MLD 4.At Sri Chaitanya School – II - 5.00 MLD 5.At Saibaba Temple -3.00 MLD 6. At Nagasai Temple -2.00 MLD 7. At Nagasai Temple – I -3.00 MLD 8.At Law College -2.00 MLD 9. At RaghavendraMatam - 5.00 MLD 10. At NagulaKatta - 8.00 MLD 11. At JammiChettu- 40.00MLD Total - 78.00 MLD
			2 MLD	20%	
2	Kundu	Nandyal	10 MLD	5%	Comprehensive DPR on UGD scheme is prepared for Rs.85.00 Cr with STPs capacity of 26 (21 + 5) MLD to cater the needs of 2035 year. DPR submitted to the Govt. of Andhra Pradesh for according Administrative Sanction.

S.No	Name of River Stretch	Name of the ULB	STP Capacity	Status of Ongoing Works	Status of DPRs
PRIORITY-V RIVERS					
1.	Nagavali	Srikakulam	10 MLD	45%	Comprehensive proposal for providing UGD scheme for 2035 needs is prepared for an amount of Rs.190.36 Cr with an additional STP capacity of 12 MLD.
2.	Godavari	Rajamahendravaram	5 MLD	5%	DPR on Comprehensive UGD scheme prepared with additional STP's of capacity 72.37 MLD for an amount of Rs.404.00 Cr. RMC has attended the remarks and resubmitted the proposals. Now it is proposed to take up the works with an estimated cost of Rs.107.00 crores in the first year.

3.	Krishna	Vijayawada	20 MLD	83%	DPR is prepared for Rs.246.38 Cr to for providing Comprehensive UGD scheme to meet the 2035 demand including up-gradation of 2 STPs of 30.00 MLD capacity.
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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 (**the break up of effluent is through *Once through Cooling water: 3826.13 MLD + Process waste water : 364.97 MLD + cooling tower/Boiler blow down: 254.118 MLD + Domestic discharge: 49.54 MLD***)
 - ✓ From the total industrial generation, major portion is once through cooling water (85%) and the discharge temperatures are maintained not more than 5⁰C temperature of water temperature.
 - ✓ From the Cooling tower/Boiler blow down (5.6%).
 - ✓ The remaining 9.4% is generated from Process waste water & Domestic Discharges..
- Quantity of Hazardous Sludge generated from the Industries in TPD: 1,58,364.459 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
- 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

S.No.	Name and Address of the CETP & contact person	Design capacity	Current Operating capacity	Type and No. of member units	Compliance status
1.	Brandix India Apparel City Private Limited, APSEZ, Atchutapuram Pudimadaka Road, Visakhapatnam.	20 MLD	*4 MLD	Textile park- 14 units	Complied *In Brandix India Apparel City, textile industries were not established as anticipated. Hence effluent generation is less.
2.	Ramky Pharma City (India) Ltd, JN Pharma City, Parawada Mandal, Visakhapatnam.	5.0 MLD	4.8 MLD	Pharmaceutical & Bulk drugs-92 units	Complied
3.	Kondapally Envirotech Pvt. Ltd., (KEPL), IDA, Kondapalli(V), Ibrahimpattam (M), Krishna District.	0.2 MLD	0.15 MLD	Pharmaceutical & Bulk drugs-13 units	Complied
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	Complied
5.	Machilipatnam Imitation Jewellery Park Pvt. Ltd., Jewellery Park, Pothepalli, Machilipatnam.	0.07 MLD	0.002 MLD	Electro Plating - 48 Units	Complied
6.	Nagari Dyeing Owners Association, Chinthalapattada (V), Nagari (M), Chittoor District.	4 MLD	0.8 MLD	Manual Dyeing units - 105 units	Complied
7.	Atchuthapuram Effluent Treatment Plant, Atchutapuram Visakhapatnam.	1.5 MLD	1.5 MLD	Pharmaceutical & Bulk drugs-20 units	Complied

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),
- 30 wet waste projects covering 33 ULBs treating 1400 TPD with an installed capacity of 1600 TPD are existing.
- 23 wet waste projects covering 24 ULBs are in progress with an installed capacity of 500 TPD.
- 53 Wet waste projects (43 compost and 10 Biomethanation) covering 53 ULBs are proposed and RFP process is in progress and Feasibility study of 2 Waste to Energy projects is under progress
- Detailed Project Reports are being prepared for Waste Treatment units in the Newly Constituted ULBs.
- 76 Material Recovery facilities covering 76 ULBs treating 810 TPD with an installed capacity of 1000 TPD Existing.
- 44 Material Recovery facilities covering 44 ULBs are in progress with an installed capacity of 500 TPD.
- 3 Construction and Demolition waste processing plants in Greater Visakhapatnam Municipal Corporation, Vijayawada Municipal Corporation and Tirupati Municipal Corporation 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 (Visakhapatnam, Vijayawada, Tirupati and Tanuku) are under progress
- No Dumpsites of legacy waste are within 1km buffer of both side of the rivers in the State.

S.No	Name of the ULB	Waste Generated (TPD)	Wet waste processing	Plant Capacity(TPD)	Capacity Utilization	Dry Waste Processing				
						RDF	Waste Sent in TPD	MRF	Plant Capacity TPD	Capacity Utilization
1	Amudalavalasa	19	Existing WtC	10	85%	VizagWtE		Established	4	85%
2	Ichchapuram	18	Existing WtC	10	85%	Feasibility Study under progress		Established	2	85%
3	Palasakasibugga	28	Existing WtC	15	80%	Feasibility Study under progress		InProgress		
4	Rajam	21	Existing WtC	12	80%	VizagWtE		Established	4	85%
5	Bobbili	29	Existing WtC	16	90%	VizagWtE		Established	8	85%
6	Salur	24	Existing WtC	13	90%	VizagWtE		Established	6	90%
7	GVMC	918	Existing WtC	505	85%	VizagWtE		Established	300	85%
8	Narsipatnam	30	Existing WtC	17	80%	VizagWtE		Established	8	85%
9	Yellamanchali	23	Existing WtC	13	80%	VizagWtE		Established	4	85%
10	Adoni	81	Existing WtCNG	45	80%	Connected to Cement Factories	3	Established	20	85%
11	Nuzvid	29	Existing WtC	16	80%	Guntur WtE		InProgress		
12	Thiruvuru	17	Existing WtCNG	9	80%	Guntur WtE		Established	2	85%
13	Tenali	80	Existing WtC	44	90%	Guntur WtE		Established	20	90%
14	Sattenpalle	28	WtCNG - Pidugurala	15	85%	Guntur WtE		Established	6	85%
15	Narsaraopet	57	WtCNG - Pidugurala	31	85%	Guntur WtE		Established	16	85%
16	Piduguralla	31	Existing WtCNG	17	85%	Guntur WtE		InProgress		
17	Allagadda	20	Existing WtC	11	85%	Connected to Cement Factories	1	Established	4	85%
18	Rayadurgam	30	Existing WtC	17	85%	RDF inprogress		Established	6	85%
19	Puttaparty	15	Existing WtC	8	85%	RDF inprogress		Established	2	85%

						s				
20	Yemmiganur	46	WtCNG - Adoni	25	85%	RDF inprogress		Established	10	85%
21	Anantapur	131	WtCNG Planned	0		Connected to Cement Factories	8	Established	35	90%
22	Atmakur K	22	WtC Awarded	0		Connected to Cement Factories	1	Established	4	90%
23	Badvel	35	WtC Planned	0		Connected to Cement Factories	2	InProgress		
24	Dhone	29	WtC Planned	0		Connected to Cement Factories	2	Established	6	90%
25	Markapur	35	Existing WtC	19	80%	Feasibility Study under progress		Established	8	85%
26	Giddalur	19	Existing WtC	10	85%	RDF inprogress		Established	4	85%
27	Kanigiri	22	Existing WtC	12	85%	Feasibility Study under progress		Established	4	85%
28	Chirala	42	Existing WtC	23	90%	Guntur WtE		Established	9	90%
29	Gudivada	58	WtCNG awarded	0		RDF Connected / Guntur WtE	3	Established	14	90%
30	Palamaneru	25	Existing WtC	14	85%	Feasibility Study under progress		InProgress		
31	Punganur	27	Existing WtC	15	80%	Feasibility Study under progress		Established	6	85%
32	Madanpalle	67	Existing WtCNG	37	85%	RDF inprogress		InProgress		
33	Sullurpet	22	Existing WtC	12	80%	Feasibility Study under progress		Established	4	85%
34	Srikakulam	65	WtCNG	0		VizagWt		Established	16	90%

			Planned			E		shed		
35	Palakonda	16	WtC Awarded	0		VizagWt E		InProg ress		
36	Vizianagara m	119	WtCNG Planned	0		VizagWt E		Establi shed	30	90%
37	Parvathipur am	26	WtC Awarded	0		VizagWt E		InProg ress		
38	Nellimarla	14	WtC Planned	0		VizagWt E		Establi shed	2	90%
39	Gudur N	36	WtC Planned	0		Connecte d to Cement Factories	2	InProg ress		
40	Guntakal	62	WtC Planned	0		Connecte d to Cement Factories	2	Establi shed	14	90%
41	Jaggaihp et	26	WtCNG awarded	0		RDF Connecte d / Guntur WtE	1	InProg ress		
42	Jammalama dugu	22	Existing WtC	12	80%	Connecte d to Cement Factories	1	InProg ress		
43	Pedana	16	WtC Awarded	0		Guntur WtE		InProg ress		
44	Vuyyuru	20	WtC Awarded	0		Guntur WtE		InProg ress		
45	Guntur	363	WtCNG Planned	0		Guntur WtE		Establi shed	80	90%
46	Tadepalle	34	WtC Planned	0		Guntur WtE		Establi shed	8	90%
47	Ponnur	29	WtC Planned	0		Guntur WtE		Establi shed	6	90%
48	Chilakaluri p et	49	WtC Planned	0		Guntur WtE		Establi shed	12	90%
49	Mangalagiri	36	WtC Planned	0		Guntur WtE		Establi shed	8	90%
50	Bapatla	34	WtCNG awarded	0		Guntur WtE		Establi shed	8	90%
51	Repalle	25	WtC Awarded	0		Guntur WtE		Establi shed	4	90%
52	Vinukonda	30	WtCNG awarded	0		Guntur WtE		InProg ress		
53	Macherla	28	WtC Awarded	0		Feasibilit y Study under progress		Establi shed	6	90%
54	Kadapa	167	WtCNG Planned	0		Connecte d to Cement Factories	6	Establi shed	40	90%

55	Dharmavaram	62	WtC Planned	0		RDF inprogress		InProgress		
56	Kadiri	43	WtC Awarded	0		Connected to Cement Factories	1	Established	8	90%
57	Gooty	24	WtC Planned	0		RDF inprogress		Established	4	90%
58	Pamidi	14	WtC Planned	0		RDF inprogress		InProgress		
59	Hindupur	74	WtC Awarded	0		RDF inprogress		InProgress		
60	Kurnool	224	WtCNG Planned	0		Connected to Cement Factories	2	InProgress		
61	Kalyandurgam	21	WtC Awarded	0		RDF inprogress		Established	2	90%
62	Madakasira	12	WtC Awarded	0		RDF inprogress		Established	2	90%
63	Machilipatnam	89	WtC Awarded	0		RDF Connected / Guntur WtE	3	Established	20	90%
64	Mydukur	22	WtC Planned	0		Connected to Cement Factories	1	InProgress		
65	Nandigama	22	WtCNG awarded	0		RDF Connected / Guntur WtE	1	InProgress		
66	Nandikotkur	23	WtC Planned	0		Connected to Cement Factories	1	Established	4	90%
67	Gudur K	14	WtC Planned	0		RDF inprogress		InProgress		
68	Nandyal	98	WtCNG Planned	0		Connected to Cement Factories	3	InProgress		
69	Proddutur	79	WtCNG Planned	0		Connected to Cement	2	InProgress		

						Factories				
70	Pulivendula	32	Existing WtC	18	85%	Connecte d to Cement Factories	2	Establi shed	6	85%
71	Rajahmundry	168	WtCNG Planned	0		Connecte d to Cement Factories	3	Establi shed	40	90%
72	Rajampeta	23	WtC Planned	0		Connecte d to Cement Factories	1	InProg ress		
73	Rayachoti	44	WtC Planned	0		Connecte d to Cement Factories	2	Establi shed	8	90%
74	Tadipatri	53	Existing WtC	29	90%	Connecte d to Cement Factories	2	Establi shed	10	90%
75	Tirupati	208	Existing WtCNG	114	85%	Connecte d to Cement Factories	4	Establi shed	45	85%
76	Ongole	123	WtCNG awarded	0		Guntur WtE		Establi shed	30	90%
77	Chimakurthy	17	WtC Awarded	0		Guntur WtE		InProg ress		
78	Addanki	20	WtC Awarded	0		Guntur WtE		Establi shed	4	90%
79	Kandukur	28	WtC Awarded	0		Feasibilit y Study under progress		Establi shed	6	90%
80	Kakinada	159	WtCNG Planned	0		Feasibilit y Study under progress		Establi shed	35	90%
81	Vijayawada	507	Existing WtC	279	85%	RDF Connecte d / Guntur WtE	6	Establi shed	150	85%
82	Gollaprolu	11	WtC Planned	0		Feasibilit y Study under progress		InProg ress		
83	Pithapuram	25	WtC Planned	0		Feasibilit y Study under progress		Establi shed	3	90%
84	Peddapuram	24	WtC Planned	0		Feasibilit y Study		Establi shed	3	90%

						under progress				
85	Samalkota	28	WtC Planned	0		Feasibilit y Study under progress		Establi shed	4	90%
86	Yeleswaram	16	WtC Planned	0		Feasibilit y Study under progress		Establi shed	2	90%
87	Ramachand rapuram	21	WtC Planned	0		Feasibilit y Study under progress		Establi shed	2	90%
88	Mandapeta	26	WtC Planned	0		Feasibilit y Study under progress		Establi shed	4	90%
89	Tuni	26	WtC Awarded	0		Feasibilit y Study under progress		Establi shed	3	90%
90	Mummidiva ram	12	WtC Awarded	0		Feasibilit y Study under progress		Establi shed	2	90%
91	Amalapura m	26	WtC Awarded	0		Feasibilit y Study under progress		Establi shed	3	90%
92	Eluru	106	WtCNG Planned	0		Feasibilit y Study under progress		Establi shed	22	90%
93	Tadepalligu dem	51	WtC Planned	0		Feasibilit y Study under progress		Establi shed	8	90%
94	Tanuku	44	WtC Planned	0		Feasibilit y Study under progress		InProg ress		
95	Palakollu	33	WtC Planned	0		Feasibilit y Study under progress		InProg ress		
96	Narsapuram	29	WtC Planned	0		Feasibilit y Study under progress		Establi shed	4	90%
97	Bhimavara m	69	WtC Planned	0		Feasibilit y Study under progress		Establi shed	12	90%

[illegible]

112	Kondapalli	21	DPR under Progress - Newly Constituted ULB
113	Dachepali	11	DPR under Progress - Newly Constituted ULB
114	Gurazala	9	DPR under Progress - Newly Constituted ULB
115	Darsi	12	DPR under Progress - Newly Constituted ULB
116	Buchireddy Palem	12	DPR under Progress - Newly Constituted ULB
117	Penukonda	10	DPR under Progress - Newly Constituted ULB
118	Bethamchar la	14	DPR under Progress - Newly Constituted ULB
119	Kamlapura m	7	DPR under Progress - Newly Constituted ULB
120	Kupam	15	DPR under Progress - Newly Constituted ULB
Total		6850	

VI. Bio-medical Waste Management:

- Total Bio-medical generation: 15.0 Ton/ day
- No. of Hospitals and Health Care Facilities: 10,225Nos.

Status of Treatment Facility/ CBMWTF	:	Presently, there are 12 Nos. of Common Bio-medical Waste Treatment Facilities (CBMWTFs) 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: 621337 TPA
- No. of Industries generating Hazardous waste: 2648 Nos.
- Quantity of Hazardous Sludge generated from the Industries in TPD: 1,58,364.459 TPA
- Treatment Capacity of all TSDFs:

Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:

In Andhra Pradesh about 6,21,337 TPA (100%) of hazardous waste is generated. Out which

- Utilizable waste is 342054.1586 TPA (55.05%) (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 116246.344 TPA (18.71%) (suitable for recycling /recovery of material viz. oil reclamation units, lead and zinc recovery units),
- Incinerable waste is 4287.0879 (0.69%) (not suitable for any recycling / reuse and having high calorific value i.e. > 2500 K cal/kg) and

- iv) Land fillable waste is 1,58,364.459 TPA (25.49%) (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

- ✓ MsRamkyPharmacity India Pvt Ltd, Parwada, Visakhapatnam.
- ✓ 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	46,222 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., informed that they have been 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

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. All the above 32 No's of outfall points are provided with Meshes/Screens to prevent solid waste from falling in to the Rivers.

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;
- APPCB has been monitoring the 5 polluted river stretches at 27 locations on monthly basis and the data is being uploaded in RRC Website <https://rrc.ap.gov.in/Views/Monitoring.aspx> every month. **The monitoring of water quality data for the month of December 2020 is enclosed.**
 - As per the analysis of samples collected at 27 locations in the month of December 2020 the B.O.D value is less than 3.0 mg/lit.
- 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:
- 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:
- XXIV. Regulation of Mining Activities in the State/UT:
- XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

ENCLOSURES

ANNEXURE

Water quality status of polluted river stretches in Andhra Pradesh - 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, 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	June	Jul	Aug	Sep	Oct	Nov	Dec	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	7.79	7.99	7.81	6.0 - 8.5	6.0 - 9.0	
	4359	7.9	7.8	7.49	7.69	--	--	--	7.43	6.95	7.30	7.66	7.29			
	0014	8.2	7.6	7.84	7.81	7.62	8.17	7.45	7.62	7.62	7.52	7.9	7.63			
	1218	8.2	7.9	8.48	7.79	7.79	8.14	7.42	7.62	7.18	7.94	7.82	7.48			
	2370	8.3	7.3	7.44	7.52	7.72	7.74	7.43	7.48	7.27	7.75	7.61	7.00			
	2371	8.2	7.9	7.87	7.46	7.70	8.12	6.92	7.23	7.19	7.69	7.76	6.89			
	1219	7.6	7.7	7.81	8.05	7.66	7.59	7.14	7.38	7.20	7.66	7.6	7.10			
	4365	7.7	7.0	7.76	7.50	7.79	8.29	7.33	7.55	6.86	8.07	7.97	7.39			
	4366	7.5	7.8	8.05	8.68	7.62	8.32	7.56	7.37	7.14	8.54	7.89	7.15			
	4358	7.5	7.7	7.0	7.8	7.92	8.11	7.33	7.50	7.32	7.82	7.81	7.53			
DO	4367	6.4	6.9	7.7	6.5	6.8	7.5	6.8	6.7	7.2	5.3	6.4	7.1	6.0	5.0	4.0
	4359	6.2	6.9	8.0	6.8	--	--	--	6.2	7.0	6.2	7.5	7.7			
	0014	6.5	6.8	6.5	6.6	6.9	6.5	6.5	6.8	6.8	6.5	6.5	6.2			
	1218	6.3	6.4	6.8	6.8	7.5	7.7	6.4	6.5	7.3	6.3	6.2	6.2			
	2370	7.8	6.5	8.5	6.8	7.2	7.2	6.8	6.2	6.8	7.0	8.5	7.8			
	2371	7.5	5.9	6.5	6.4	7.0	6.6	6.5	6.0	6.3	6.5	8.0	6.1			
	1219	6.5	7.5	8.4	6.2	6.6	6.3	7.0	6.6	7.0	6.5	7.2	7.1			
	4365	6.8	8.4	6.2	5.6	6.1	6.4	6.7	6.4	6.8	6.0	5.9	5.5			
	4366	7.4	6.0	6.0	5.3	5.9	6.2	6.0	6.2	6.4	5.3	5.7	4.8			
	4358	6.0	6.6	4.8	5.8	5.0	4.8	5.5	6.5	6.0	6.5	7.5	6.8			
BOD	4367	1.4	2.0	1.8	1.9	2.2	1.5	1.0	2.2	2.2	2.1	1.4	2.2	2.0	3.0	3.0
	4359	2.0	1.3	1.5	1.3	--	--	--	1.4	1.8	1.9	1.7	1.5			
	0014	2.0	1.8	2.3	1.5	1.2	1.3	1.6	1.2	1.2	1.7	1.7	1.8			
	1218	1.3	1.8	1.4	1.2	1.1	1.2	1.8	1.4	2.0	1.8	1.4	1.2			
	2370	2.0	1.8	2.2	1.3	1.4	1.2	1.2	2.0	1.5	2.0	1.5	1.3			
	2371	2.5	2.3	1.8	2.0	1.8	2.0	1.6	2.6	2.2	2.2	1.8	2.3			
	1219	2.6	2.5	1.4	2.2	1.0	1.8	1.3	2.4	1.5	1.2	2.1	1.8			
	4365	2.2	2.2	2.0	2.2	1.6	1.6	1.0	2.0	1.8	1.5	2.1	2.3			
	4366	1.8	2.6	2.4	2.8	2.3	1.8	1.2	2.4	2.0	2.0	2.6	2.8			
	4358	0.9	1.7	2.8	2.6	2.8	2.6	1.1	2.2	1.5	2.0	2.0	1.8			

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, 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	June	July	Aug	Sep	Oct	Nov	Dec	*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	7.3	7.8	8.1	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	7.4	7.7	7.6			
	4381	7.9	7.9	7.72	7.71	7.69	7.97	7.64	7.84	7.64	7.92	7.79	7.56			
	1786	7.8	7.8	7.82	7.29	7.81	7.97	7.94	7.96	7.84	7.87	8.08	7.59			
	1787	7.7	7.6	7.82	7.47	7.67	7.83	7.74	7.76	7.69	7.94	7.77	7.52			
	0025	7.8	7.2	7.80	7.71	7.74	7.92	7.82	8.43	7.51	7.74	8.1	7.92			
	4375	7.8	7.7	7.72	7.67	7.79	7.82	7.70	8.31	7.57	7.82	8.09	8.02			
	1782	7.8	8.0	7.96	7.93	7.41	7.68	7.42	7.67	7.45	7.64	7.82	7.31			

DO	1175	6.4	7.3	6.4	4.9	5.6	5.9	5.2	5.4	6.5	6.4	6.1	6.0	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	6.4	6.3	6.2			
	4381	7.5	7.9	7.4	7.2	6.8	7.3	7.3	7.1	7.2	7.4	7.3	7.4			
	1786	7.5	7.8	6.8	6.8	6.9	7.6	7.2	7.3	7.2	7.2	6.9	7.1			
	1787	7.4	7.6	7.3	7.1	6.9	7.3	7.1	7.2	7.1	7.4	7.1	7.3			
	0025	7.2	7.2	7.1	7.2	7.2	7.1	7.5	7.1	7.0	7.1	7.0	7.2			
	4375	7.2	7.7	7.2	7.1	7.2	7.1	7.4	7.2	7.1	7.2	7.1	7.2			
	1782	4.6	8.0	4.6	4.8	4.5	4.8	4.6	4.4	4.2	4.0	4.2	4.0			
BOD	1175	1.5	1.3	1.2	1.0	2.2	1.7	2.6	1.6	1.0	1.0	1.5	1.5	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	1.2	1.5	1.5			
	4381	1.6	1.8	1.8	0.8	2.4	2.0	1.2	1.4	1.8	2.0	2.2	2.6			
	1786	1.2	1.4	1.6	1.4	2.2	1.8	2.0	1.8	2.0	2.2	2.0	2.4			
	1787	1.0	1.2	1.0	0.8	1.2	1.4	1.2	1.0	0.8	1.0	1.4	2.2			
	0025	1.2	1.2	1.2	1.0	1.6	1.2	1.8	1.4	1.2	1.6	1.8	2.0			
	4375	1.0	1.2	1.0	0.8	1.6	1.4	1.2	1.0	0.8	1.0	1.2	2.2			
	1782	2.2	2.4	2.6	2.2	2.6	2.0	2.4	2.2	2.0	2.2	2.6	2.8			
Fecal Coliform	1175	100	100	100	100	100	100	100	100	100	100	63	81	---	500	---
	3083	<3	200	300	100	100	100	100	200	100	100	120	72			
	4381	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	1786	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	1787	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	0025	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	4375	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			
	1782	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			

TDS	1175	316	402	386	482	520	587	744	486	274	309	392	386	500 - 2000
	3083	318	326	356	340	364	368	467	468	348	321	406	378	
	4381	440	410	460	376	732	446	420	580	490	535	560	440	
	1786	320	490	510	464	620	446	420	390	418	508	870	406	
	1787	342	365	420	474	620	398	360	402	350	442	684	420	
	0025	265	340	390	407	550	425	468	350	348	440	684	400	
	4375	258	270	284	250	468	560	230	270	190	210	498	390	
	1782	22800	12720	22100	23300	19300	20600	18300	14270	13900	14300	15800	20850	
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, 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	June	July	Aug	Sep	Oct	Nov	Dec	*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	7.4	7.8	7.9	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	7.7	7.6	8.2			
	4388	7.0	7.1	7.2	6.6	6.2	6.7	7.0	6.8	7.6	7.5	7.8	8.0			
	4389	7.3	7.1	7.6	7.0	7.2	7.8	7.6	7.5	7.6	7.5	7.9	8.0			
DO	1785	5.6	5.3	5.9	5.4	5.7	5.7	5.4	5.7	6.6	6.3	6.2	5.9	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	6.3	6.3	5.8			
	4388	5.4	5.6	5.7	5.1	5.4	5.5	5.2	5.1	6.4	6.2	6.0	5.7			
	4389	5.3	5.5	5.0	4.3	5.4	5.8	5.2	5.3	6.2	5.8	6.0	5.6			
BOD	1785	2.2	2.3	2.7	2.6	2.8	2.5	1.4	2.8	1.8	2.0	2.0	2.5	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	1.5	2.3	2.5			
	4388	2.0	1.9	2.5	3.0	3.0	2.7	1.0	2.2	1.7	2.3	1.5	2.5			
	4389	2.5	2.8	2.8	2.9	2.3	2.3	0.8	1.8	1.3	2.2	2.2	2.5			
Fecal Coliform	1785	100	400	300	200	200	100	100	300	100	200	110	94	---	500	---
	1174	200	300	200	100	200	200	100	200	100	200	95	110			
	4388	100	100	100	300	200	200	200	100	100	600	76	84			
	4389	200	300	200	300	100	100	100	100	200	800	170	180			
TDS	1785	1120	897	626	686	952	817	748	523	253	479	586	456	500 - 2000		
	1174	810	845	764	1084	1210	956	836	634	421	477	447	526			
	4388	944	1012	984	1786	2010	1769	1180	792	438	598	424	612			
	4389	756	745	603	1248	1328	1175	1086	587	438	424	433	581			

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 like D/S of Kurnool town. Hence, this location 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, 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	June	July	Aug	Sep	Oct	Nov	Dec	*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	7.87	8.2	7.50	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	7.79	8.16	7.97			
	4346	7.2	7.8	Dried	8.38	7.86	8.25	7.68	7.50	7.69	7.66	7.42	8.04			
	4347	7.1	7.1	Dried	8.73	7.84	8.2	7.63	7.84	7.42	7.84	7.4	7.79			
DO	4351	8.0	6.9	6.7	6.5	6.0	6.5	7.6	8.0	6.5	5.6	6.2	6.7	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	5.0	8.0	7.3			
	4346	8.2	8.3	Dried	6.2	6.0	8.2	8.0	6.2	8.5	7.1	7.5	6.8			
	4347	5.5	7.9	Dried	6.0	5.8	8.0	7.8	5.3	6.5	6.3	7.0	6.3			

BOD	4351	2.8	1.0	1.4	1.4	1.5	1.0	1.4	2.5	1.8	2.1	1.4	1.7	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	2.2	1.2	1.8			
	4346	2.6	2.7	Dried	2.0	1.2	2.4	1.0	2.2	1.5	1.6	1.5	1.6			
	4347	4.5	2.9	Dried	2.8	2.3	2.8	2.0	2.4	1.7	2.3	1.7	2.2			
Fecal Coliform	4351	11	7	15	7	9	11	15	9	15	21	11	9	---	500	---
	1448	11	15	11	7	4	4	11	15	11	15	9	9			
	4346	9	21	Dried	15	7	7	11	7	9	11	7	15			
	4347	15	23	Dried	21	11	11	21	9	15	23	15	21			
TDS	4351	136	180	260	140	252	188	204	208	192	194	240	220	500 - 2000		
	1448	156	232	232	220	216	160	192	172	200	140	304	192			
	4346	332	312	Dried	224	240	208	196	240	264	180	248	204			
	4347	748	284	Dried	418	276	214	232	280	324	220	316	232			
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, 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	June	July	Aug	Sep	Oct	Nov	Dec	*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	6.9	7.9	7.1	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	6.2	6.1	5.6	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	2.5	1.7	2.0	2.0	3.0	3.0
Fecal Coliform	200	400	100	200	300	300	200	200	200	300	180	250	---	500	---
TDS	461	656	512	624	728	834	752	664	384	296	365	568	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.