

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

Letter No.1282446/K/2020

Date:11.01.2025.

From

The Secretary to Government,
Government of Andhra Pradesh,
MA&UD Department,
AP Secretariat, Velagapudi.

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 November, 2024 - Furnished – Regarding.

Ref:- 1. Orders of the National Green Tribunal Principal Bench, New Delhi in OA No.673/2018, dated.24.09.2020.
2. From the CDMA, AP, Lr.Roc.No.12057/54/2020/Lsec, dated: 04.01.2025, through e-mail.

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In compliance with the directions of the Hon'ble National Green Tribunal Principal Bench, New Delhi in the reference 1st cited, I herewith enclose the Monthly Progress Report in the prescribed format for the month of November, 2024, Which was received vide reference 2nd cited, for taking further necessary action in the matter.

Yours faithfully,



for Secretary to Government

Copy to:-

The Director of Municipal Administration, AP.

National Mission for Clean Ganga
Format for submission of Monthly Progress Report for Month of November 2024
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 (as per 2011 -Census) : @1.73 Crore
- II.** Estimated Sewage Generation (MLD) : 1923.00 MLD

III. Details of Sewage Treatment Plants:

- Existing STPs and Treatment Capacity (74 ULBs) : 682.15 MLD
- Present Gap in Treatment Capacity in MLD : 1240.85 MLD
- Quantity of Sewerage Treated : 524.95 MLD
- Reuse of Treated water (Qty) : 233.83 MLD
- Capacity of STPs under Construction : 716.29 MLD
 - Capacity of under construction STP's (33 ULBs) : 536.37 MLD
by ENC (PH) (62 STPs)
 - Capacity of Under Construction STPs at : 48.55 MLD
APTIDCO Houses (44 ULBs) (67STPs)
 - Capacity of under s under Construction STPs : 131.37 MLD
Under SBM 2.0 (53 STPs/ NSTPs)
(out of 567.00 MLD total sanctioned,
131.37 MLD is under construction) (28 ULBs)
- Gap in treatment capacity after completion of
above STPs : 524.56 MLD.
- STPs sanctioned Under SBM 2.0 & under
Tender Process (below 1 lakh population)
(Out of balance 437.61 MLD, 136.34 MLD is in : 136.34 MLD (21 ULBs)
Tender Stage) (22 STPs)
- STPs sanctioned under AMRUT 2.0 : 373.27 MLD (26 ULBs)
(Above 1 Lakh Population) (39 STPs)

III (A) Details Existing STPs in the State:

Sl. No	City / Town	Location of STP	Date of Commissioning	Existing STP Capacity (in MLD)	Utilization capacity (in MLD)	Operational Status of STP	Compliance Status of STP
1	GVMC	Old town	05/2019	38.00	38.00	Operational	Complied
2		Appughar	09/2010	25.00	25.00	Operational	Complied
3		Mudasarlova	04/2008	13.00	13.00	Operational	Complied
4		Narava	08/2001	54.00	54.00	Operational	Complied
5		Anakapalle	04/2018	15.00	15.00	Operational	Complied
6		Madinabagh	2018	2.00	2.00	Operational	Complied
7		Yathapalem Colonies	04/2008	2.50	2.50	Operational	Complied
8		Srinagar	04/2008	0.50	0.50	Operational	Complied
9		Karnavani palem	12/2019	5.00	0.0	-	The work will be integrated with the Smart City Project in Package-II taken up by the GVMC with M/s TATA Projects which is under progress and will be made functional by September-2026.
10		Mantripalem	04/ 2008	1.00	1.00	Operational	Complied
11		Aganampudi	12/2015	6.00	6.00	Operational	Complied
12		Rathi Cheruvu	09/ 2019	2.00	2.00	Operational	Complied
13		Kommadi / Madhurawada	08/2018	4.00	4.00	Operational	Complied
14		Bakkannapalem	08/ 2011	1.00	1.00	Operational	Complied
15		Marikavalasa	12/ 2012	2.00	2.00	Operational	Complied

Sl. No	City / Town	Location of STP	Date of Commissioning	Existing STP Capacity (in MLD)	Utilization capacity (in MLD)	Operational Status of STP	Compliance Status of STP
16		Vambay Colony	08/ 2011	3.00	3.00	Operational	Complied
17		YSR Nagar	08/ 2011	2.00	2.00	Operational	Complied
18		Boyapalem	08/ 2011	1.00	1.00	Operational	Complied
19		Narava	10/2022	54.00	15.00	Operational	Complied
20		Paradesi-palem	08/2022	2.00	0.50	Operational	Complied
			Sub Total	233.00	187.50		
21	Rajamahendravaram	Hukumpeta	01/2009	30.00	30.00	Operational	Complied
22	Vijayawada	Ajith Singh Nagar-1	05/2011	40.00	40.00	Operational	Complied
23		Ajith Singh Nagar-2	05/2012	20.00	20.00	Operational	Complied
24		Ramalingeswar Nagar-1	06/2012	20.00	20.00	Operational	Complied
25		Ramalingeswar Nagar-2	10/2006	10.00	10.00	Operational	Complied
26		Autonagar -1	03/2005	10.00	10.00	Operational	Complied
27		Autonagar -2	12/2018	10.00	10.00	Operational	Complied
28		Jakkampudi	07/2017	20.00	20.00	Operational	Complied
			Sub Total	130.00	130.00		
29	Tirupathi	Thukivakam	09/2018	50.00	33.00	Operational	Complied
30	Kadapa	Nanepally	Aug 2012	20.00	10.00	-	A new STP 20 MLD capacity is under brisk pace of progress at Nanepally under AMRUT Scheme and 75% of work is completed and it will be completed by end of March, 2025.
31	Pulivendula	Rotarypuram	10/2022	10.00	5.00	Operational	Complied
32	Tadipatri	Gannevari-palle	10/2010	3.50	3.50	Operational	Complied
33			10/2010	8.00	8.00	Operational	Complied

Sl. No	City / Town	Location of STP	Date of Commissioning	Existing STP Capacity (in MLD)	Utilization capacity (in MLD)	Operational Status of STP	Compliance Status of STP
	Puttaparthi		Sub Total	11.50	11.50		
34		Sai Nagar	07/2001	0.50	0.50	Operational	Complied
35		Gokulam	07/2001	0.50	0.20	Operational	Complied
36		Prasanthi Gram	07/2001	0.50	0.0	Under Rehabilitation	Under Rehabilitation The rehabilitation works are proposed to be taken up with 15th FC Grants and rehabilitation will be completed and STP will be made functional by Aug-2025
			Sub Total	1.50	0.70		
37	Narsaraopeta	CPT Road	02/2018	15.55	9.50	Operational	Complied
38	Nellore	Janardhan Reddy Colony	-	5.00	5.00	Operational	Complied
39		Allepuram	-	55.00	55.00	Operational	Complied
40		Drivers Colony	-	11.00	0.00	Operational	The work is resumed by the agency for closing gaps in the network. Simultaneously HSCs will be given by the MC and STP will be made functional by Aug-2025.
			Sub Total	71.00	60.00		
41	Kurnool	Jammichettu	03/2019	0.80	0.80	Operational	Complied
42		Sankal Bagh	03/2019	0.80	0.80	Operational	Complied
43		Tungabhadra Pump House	03/2018	0.80	0.80	Operational	Complied
			Sub Total	2.40	2.40		
44	Tadepalli	Mahanadu-1	12/2018	0.20	0.20	Operational	Complied

Sl. No	City / Town	Location of STP	Date of Commissioning	Existing STP Capacity (in MLD)	Utilization on capacity (in MLD)	Operational Status of STP	Compliance Status of STP
45		Mahanadu-2	12/2018	0.20	0.20	Operational	Complied
				0.40	0.40		
46	Kondapalli	Security Colony	12/2021	0.80	0.80	Operational	Complied
47		Security Colony	01/2023	2.00	1.60	Operational	Complied
				2.80	2.40		
48	Yemmiganuru	Soganur Road	06/2022	19.80	5.00	Operational	Complied
49	Ongole	Koppolu	10/2022	15.00	15.00	Operational	Complied
	15	Grand Total		612.95	502.40		

Details of Existing STPs in APTIDCO Housing Colonies:

Sl. No	District Name	Name of the ULB	Name of the Location	Capacity in MLD	Qty sewage water treated	percentage of Progress of work
1	2	3	4	5	6	7
50	Srikakulam	Srikakulam	Patrunivalasa	2.10	2.10	Completed O&M in progress
51	Vizianagaram	Vizianagaram	Saripalli	1.50	1.50	Completed O&M in progress
52	Visakhapatnam	GVMC	Parawada	0.50		Completed Trial run in progress
53	Visakhapatnam	GVMC	Satyanarayanapuram	1.50		Completed Trial run in progress
54	West Godavari	Tadepalli Gudem	a. Kondruprolu-I	2.00		Completed Trial run in progress
55			b. Kondruprolu-II	0.75		Completed Trial run in progress
56		Palakollu	Penukulapadu	3.50		Completed Trial run in progress
57	Nellore	Kavali	Maddurupadu	1.50	1.50	Completed O & M in Progress
58		Atmakur	Nellorepalem	1.00	1.00	

59		Gudur	Gandhinagar	3.70	3.70	
60	East Godavari	Peddapuram	Valuthimmapuram	2.00		Completed ,Trail run in Progress
61	East Godavari	Mandapeta	Gollapunta	3.00		Completed ,Trail run in Progress
62	East Godavari	Pithapuram	Gorsa	0.50		Completed ,Trail run in Progress
63	East Godavari	Ramachandrapuram	Kothuru (Ph-I)	0.75		
64	East Godavari	Rajamahendravaram	Bommuru-I	1.50		Completed ,Trail run in Progress
65	East Godavari	Rajamahendravaram	Torredu	0.50		Completed ,Trail run in Progress
66	East Godavari	Samalkota	Jaggamvaripeta	0.50		Completed ,Trail run in Progress
67	East Godavari	Samalkota	Uppuvarisatram	0.50		Completed ,Trail run in Progress
68	Guntur	Tenali	Chinaravuru	0.60	0.60	Completed O&M in progress
69		Ponnuru	Nidubrolu	1.25	1.25	
70		Chilakaluripeta	Purushothapatnam	2.80	2.80	
71	Visakhapatnam	GVMC	Dabbanda	0.90		Civil work completed,Trial run is heldup for want of sewage
72	Visakhapatnam	GVMC	Aganampudi (Tri Junction)	1.10		Civil work completed,Trial run is heldup for want of sewage &Power supply
73	Krishna	Vijayawada	Jakkampudi I (A)	0.90		Civil work completed,Trial run is heldup for want of sewage &Power supply
74		Vijayawada	Jakkampudi II (B)	0.60		
75		Vijayawada	Jakkampudi III (C)	0.90		
76		Vijayawada	Jakkampudi IV (D)	0.90		
77	Krishna	Gudivada	Mallayapalem I	1.60	1.60	Completed & O & M in Progress
78		Gudivada	Mallayapalem II	2.70	2.70	
79		Machilipatnam	Gosangam II	0.50	0.50	
80		Machilipatnam	Rudravaram II	0.70		Completed & Trail Run held up for want of sewage
81	Guntur	Mangalagiri	RGK Colony -I	0.80	0.80	completed & O & M in Progress
82		Guntur	Vengalayapalem I & II	1.50		completed & Trial run held up for want of sewage

83		Repalle	Repalle II	0.60		Completed & Trial run held up for want of housing work not yet taken up
84		Piduguralla	Kondamodu II	1.30		Completed & Trial run held up for want of housing work not yet completed
85		Macherla	Gorilamandhi-II	0.50		completed & Trial run held up for want of housing work not yet taken up
86	Chittoor	Srikalahasthi-II	S.W. Hostel -II	0.90		Completed & Trial run held up for want of Sewage &Power supply
87		Chittoor	Murukum battu - II	1.30		Completed & Trial run held up for want of Sewage
88		Puttur	Nandimangalam - II	0.20		Completed & Trial run held up for want of Sewage & Power supply
89		Punganur	Ethuru -II	0.70		Completed & Trial run in progress
90		Madanapalli	Venkappakota -II	0.90		Completed & Trial run in progress
91		Srikalahasthi-I	Rajiv Nagar -I	1.00		Completed & Trial run held up for want of Sewage &Power supply
92	Nellore	Naidupeta-II	Biradawada	0.90		Completed & Trial run heldup for want of sewage and powersupply
93		Sullurupeta-II	Mannarupoluru	0.80		Completed Trial run heldup for want of sewage and powersupply
94		Venkatagiri-II	Chevireddypalli	0.80	0.80	Completed & O&M in progress
95		Nellore	Akkacheruvupadu -II	1.60		Completed & Trial run heldup for want of sewage and power supply

96		Nellore	Kallurupalli-II	1.10		Completed & Trial run heldup for want of sewage and power supply
97		Nellore	Kondlapudi II&III	1.20		Completed & Trial run heldup for want of sewage and power supply
98	Prakasam	Kandukur	Uppucheruvu-I	1.40		Completed & Trial run in progress
99	Vizianagaram	Vizianagaram	Sonia nagar	0.50		completed Trail run is in progress
100	Vizianagaram	Saluru	Saluru	0.60		completed Train run is in progress
101	Kurnool	Allagadda	Chinthakuntla Village-III	0.60		Completed & Trail Run in progress
102	Ananthapuram	Tadipatri I &II	Gannavaripalli - I&II	2.75		Civil Work completed.Trial run is held up for want of sewage.
103	Guntur	Adavi takkilapadu	Adavi takkilapadu	2.00		Completed Train run is in progress
104	Vishakapatnam	Yelamanchili	Yelamanchili	0.20	0.20	Completed O & M in Progress
105	Guntur	CRDA	Ananthavaram	0.20	0.20	Completed O & M in Progress
106			Dondapadu	0.50	0.50	
107			Thulluru	0.20	0.20	
108			Mandadam	0.20	0.20	
109			Inavolu	0.30	0.30	
110			Nowluru	0.30	0.30	
111			Penumaka	0.30	0.30	
112			Nidamaruru	0.30	0.30	
				69.20	23.35	

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

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
1	Kakinada	AMRUT	1	5.00	75%	March - 2026	Lr addressed to the MD, APUFIDC for Closure of the work T/o letter dated: 03/10/2024.
2	Srikakulam	AMRUT	1	10.00	45%	March - 2026	The Revised Estimates for the balance works are under preparation.
3	Vizianagaram	AMRUT	1	5.00	54%	March - 2026	The Revised Estimates for the balance works are under scrutiny.
4	Rajamahendravaram	AMRUT	1	5.00	67%	June - 2025	Civil Works 90% Completed. The work is in Progress.
		NRCP	1	50.60	33%	August- 2025	The work is grounded Civil works are in Progress.
5	Eluru	AMRUT	1	5.00	100%	Jan - 2025	STP work completed & is in Operational. The HSCs work is in progress.
6	Bhimavaram	AMRUT	1	5.00	96%	Jan - 2025	The Electro mechanical equipment work is in Progress.
7	Tadepalli gudem	AMRUT	1	5.00	36%	June - 2025	The Civil Work is in Progress & Electro mechanical equipment procurement is in Progress.
8	Machilipatnam	AMRUT	1	5.00	48%	Dec- 2025	The Revised Estimates for the balance works are under preparation.
9	Gudivada	AMRUT	1	5.00	93%	April -2025	The Electro mechanical equipment work

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
							and pump sets erection works are in Progress.
10	Vijayawada	JNNURM	1	20.00	95%	April -2025	Work cancelled and to be entrusted to new agency.
11	Tenali	AMRUT	1	10.00	95%	March - 2025	Civil components completed electro mechanical and instrumentation testing dry run in progress as a part trail run.
		14 FC	1	2.00	30%	-	Work stopped due to court case.
12	Chilakaluripet	AMRUT	1	5.00	30%	Dec -2025	The Works resumed & is in progress.
13	Kavali	AMRUT	1	15.00	96%	March - 2025	Work is stoped by the agency due to non clearance of bills. & Notices issued to the agency.
14	Nellore	HUDCO	1	20.00	85%	June - 2025	The work is resumed and is in progress.
			1	14.00	0%	Dec - 2025	The site belongs to Irrigation Dept and persuing with the dept for handing over of site.
15	Tirupati	Smart City	1	25.00	85%	March -2025	In Progress
16	Srikalahasti	AMRUT	1	7.00	53%	June- 2025	Work resumed by the agency is in progress.

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
17	Madanapalle	AMRUT	1	5.00	23%	Sep -2025	The Work is resumed is in Progress.
18	Kadapa	AMRUT	1	20.00	80%	Dec - 2025	Erection of electro mechanical equipment work is in progress.
19	Anantapuramu	AMRUT	1	10.00	-	March - 2026	Lr addressed to the MD, APUFIDC for Closure of the work T/o letter dated: 03/10/2024.
20	Dharmavaram	AMRUT	2	8.00	-	March - 2026	Lr addressed to the MD, APUFIDC for Closure of the work T/o letter dated: 03/10/2024
21	Guntakal	AMRUT	1	8.00	2%	Dec-2025	Work Grounded
22	Kurnool	AMRUT	1	2.00	98%	March -2025	Civil work and erection of electro mechanical works completed. Testing is in progress.
		AMRUT	1	10.00	29%	July -2025	Civil work is in Progress.
		AMRUT 2.0	3	35.60	-	March -2026	Survey work Completed. designs under scrutiny.
23	Nandyal	AMRUT	1	10.00	69%	July -2025	The civil works & Erection of mechanical works are in progress.
24	Adoni	AMRUT	1	5.00	36%	April -2025	The Civil work is in Progress
25	Guntur	OTSFA	1	10.00	70%	March-2026	The Govt vide memo No

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
			1	20.00	60%		11376/UBS/ 2015 Dt:14-02-2023 has accorded permission for revoke the safe closure and continuation of the project with full scope of work.
			1	42.00	60%		
			1	28.00	51%		
			1	23.00	0%		
26	Pulivendula	PLAN	1	1.50	97%	March-2025	100% civil works are completed and 97% of Electro mechanical work Completed
			1	1.50	82%	June-2025	90% of civil works completed and mechanical work will be taken up.
			5	2.50 (0.50 MLD x 5 Nos)	90%	March-2025	In Progress
			1	0.02	60%	June-2025	These 4 STPs are being executed through Compact Unit STPs & 60% work completed.
			1	0.07			
			1	0.08			
			1	0.10			
27	Rayachoti	PLAN	3	6.35	5%	December-2025	Land alienation is in progress.
			2	0.55	-		Drawings to be submitted for approval.
			1	15.50	2%		Designs & Drawings to be submitted for approval. Land acquisition under process.

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
28	Kanigiri	AIIB	1	6.00	2%	December-2025	New site is identified & handing over of site is under process.
29	Sullurpet	AIIB	3	8.00	4%	December-2025	Sites handed over, Designs under finalization.
30	Allagadda	AIIB	1	5.00	2%	March-2026	Site handed over, Designs under finalization. Project Monitoring Committee is to Clear designs.
31	Nandikotkur	AIIB	1	5.00	0%	March-2026	Site to be handed over.
32	Madakasira	AIIB	1	5.00	2%	March-2026	Sites handed over, Designs under finalization PMC to Clear designs.
33	Proddutur	PLAN	1	24.00	-	December-2025	Land yet to be handed over from Municipality.
	Grand Total		62	536.37			

III C) Details of STPs Under Construction in APTIDCO Housing Colonies:

Sl. No	District Name	Name of the ULB	Name of the Location	No of STPs	Capacity in MLD	percentage of Progress of work
1	2	3	4	5	6	7
1	Kurnool	Kurnool	Jagannadha gattu	1	0.50	95% completed,waiting for beneficiary occupancy for fixing of electrical and mechanical works in the plant to avoid thefting.
				1	0.50	
				1	1.00	
				1	1.50	
				1	2.00	
2	Kurnool	Nandyal	SRBC Colony	1	1.00	
				1	1.00	
			Nandhamuri Nagar	1	1.00	
				1	1.00	
3	Kurnool	Adhoni	Siriguppa Road	1	1.00	
				1	1.00	
4	East Godavari	Amalapuram	Bodasukurru	1	1.00	Civil Works 90% completed finishing works are in progress.Compl eted by 30-06-2025
5	East Godavari	Kakinada	Kakinada (Paralovapeta)	1	1.50	Civil Work 75% Completed remaining work in progress.Comp leted by 30-06-2025
6		Rajahmundry	Bommuru-II	1	1.50	Civil work 70% completed remaining work is in progress.Comp leted by 30-06-2025
			Namavaram	1	0.75	Civil work 72% completed remaining work is in progress.Comp leted by 30-06-2025

7		Ramachandrapuram	KothuruIII	1	1.00	Civil work 72% completed remaining work is in progress.Comp leted by 30-06-2025
8	Prakasam	Markapur	Pedanagulavaram Road -I	1	0.50	Civil work 51% completed remaining work is in progress.Comp leted by 30-06-2025
9	Vizianagaram	Nellimarla	Nellimarla	1	0.30	Civil work 90% completed & remaining work in progress and completed by 30-06-2025
10	Srikanthkulam	Rajam	Kancharam	1	0.20	Civil work 90% completed & remaining work in progress and completed by 30-06-2025
11		Amadalavalasa	Byrsastrulla-pet	1	0.30	Civil work 90% completed & remaining work in progress and completed by 30-06-2025
12	Vizianagaram	Bobbili	Bobbili	1	0.80	Civil work 80% completed & remaining work in progress and completed by 30-06-2025
13		Parvathipuram	Parvathipuram	1	0.40	Civil work 85% completed & remaining work in progress and completed by 30-06-2025

14	West Godavari	Tanuku	Indiramma Colony	1	0.20	56% work completed and remaining work in progress and expected to be completed by 30-06-2025
		Tanuku	BalaBalaji	1	0.30	38% work completed and remaining work in progress and expected to be completed by 30-06-2025
15		Jangareddygudem	Markandeyapuram -II	1	0.40	46% work completed and remaining work in progress and expected to be completed by 30-06-2025
16		Nidadavolu	Tirugudem -II	1	0.50	46% work completed and remaining work in progress and expected to be completed by 30-06-2025
17		Kovvuru	Pedathalla punta-II	1	0.30	46% work completed and remaining work in progress and expected to be completed by 30-06-2025
18		Eluru	Ponangi road	1	2.50	52% work completed and remaining work in progress and expected to be completed by 30-06-2025
		Kotturu road	1	0.20	48% work completed and remaining work in progress and expected to be completed by 30-06-2025	

19	Guntur	Vinukonda	Vellaturu road II	1	0.70	42% work completed and remaining work in progress and expected to be completed by 30-06-2025
20	Prakasam	Kanigiri	Chakirala -III	1	0.50	45% work completed and remaining work in progress and expected to be completed by 30-06-2025
21		Giddaluru	Modempalli -III	1	0.60	31% work completed and remaining work in progress and expected to be completed by 30-06-2025
22		Addanki	Singara konda -III	1	0.50	45% work completed and remaining work in progress and expected to be completed by 30-06-2025
23	Krishna	Nuziveedu	M.R. Apparao colony II	1	1.30	45% work completed and remaining work in progress and expected to be completed by 30-06-2025
24		Tiruvuru	PT Kotturu I	1	0.40	38% work completed and remaining work in progress and expected to be completed by 30-06-2025
			PT Kotturu II	1	0.40	38% work completed and remaining work in progress and expected to be completed by 30-06-2025

25		Jaggaiahpeta	Gurukula pathasala II	1	1.60	52% work completed and remaining work in progress and expected to be completed by 30-06-2025
26		Nandigama	Hanumanthu palem II	1	0.20	38% work completed and remaining work in progress and expected to be completed by 30-06-2025
27		Vuyyuru	Gemini School -II	1	0.90	50% work completed and remaining work in progress and expected to be completed by 30-06-2025
		Vuyyuru	Gandigunta -II	1	0.30	38% work completed and remaining work in progress and expected to be completed by 30-06-2025
		Vuyyuru	Raghava estates - II	1	0.10	49% work completed and remaining work in progress and expected to be completed by 30-06-2025
28	YSR Kadapa	Kadapa	Chinnachowk -I	1	1.00	75% work completed and remaining work in progress and expected to be completed by 30-06-2025
		Kadapa	Chalama reddypalli -II	1	1.00	75% work completed and remaining work in progress and expected to be completed by 30-06-2025

29		Jammalamadugu	Gudemcheruvu -II	1	1.00	73% work completed and remaining work in progress and expected to be completed by 30-06-2025
30		Rayachoti	Sibyala -II	1	0.50	78% work completed and remaining work in progress and expected to be completed by 30-06-2025
31		Yerraguntla	Yerraguntla road -II	1	1.00	75% work completed and remaining work in progress and expected to be completed by 30-06-2025
32	Kurnool	Nandyal	Alyyalurimitta	1	1.00	75% work completed and remaining work in progress and expected to be completed by 30-06-2025
33	Ananthapuram	Dharmavaram	Regatipalli-II	1	0.75	Civil structural work completed. Media filling is to be done. Machinery to be fixed and is held up for security purpose.
34	Ananthapuram	Hindupur	Kotipi-II	1	0.70	
35	Ananthapuram	Kadiri	Hindupur road-II	1	0.60	
36	Ananthapuram	Pamidi	VKA Reddy colony-II	1	0.70	
37	Ananthapuram	Puttaparthi	Karnataka nagepalli-II	1	0.25	
38	Ananthapuram	Ananthapur	Pandameru-3	1	1.25	
39	Ananthapuram	Guntakal	Dhonimukkala-3	1	1.25	
40	Ananthapuram	Raydurgam	Mallapuram-3	1	0.60	
41	Srikakulam	Ichapuram	Ichapuram	1	0.10	44% work completed and remaining work in progress and expected to be completed by 30-06-2025

42		Palasa	Palasa	1	0.40	53% work completed and remaining work in progress and expected to be completed by 30-06-2025
43	Visakhapatnam	GVMC	Appikonda	1	0.40	65% work completed and remaining work in progress and expected to be completed by 30-06-2025
		GVMC	Mulagada	1	0.20	80% work completed and remaining work in progress and expected to be completed by 30-06-2025
		GVMC	Nadipur	1	0.50	65% work completed and remaining work in progress and expected to be completed by 30-06-2025
		GVMC	Sangivalasa	1	0.30	53% work completed and remaining work in progress and expected to be completed by 30-06-2025
		GVMC	Kondakoppaka	1	0.20	55% work completed and remaining work in progress and expected to be completed by 30-06-2025
	Visakhapatnam	GVMC	Sirasapalli	1	0.30	85% completed and remaining work in progress and completed by 30-06-2025

44			AtchauLova-1	1	1.00	65% completed and remaining work in progress and expexted to be completed by 30-06-2025
		GVMC	AtchauLova-2	1	1.00	65% completed and remaining work in progress and expexted to be completed by 30-06-2025
		Narsipatnam	Narsipatnam-1	1	0.60	70% completed and remaining work in progress and expected to be completed by 30-06-2025
			Narsipatnam-2	1	0.30	70% completed and remaining work in progress and expected to be completed by 30-06-2025
				67	48.55	

III D) STATUS OF RIVER STRETCHES

- Central Pollution Control Board has newly identified 3 Nos., Polluted River Stretches i.e., Gosthani, Upputeru & Vasishta in Andhra Pradesh and also delisted 5 Polluted River Stretches, previously listed out.
- It is submitted that the River stretches of Gosthani & Upputeru reported by Central Pollution Control Board are within Rural areas. The BOD Level of Gosthani River stretch reported by CPCB is 8.6 and as per the Report of the A.P Pollution Control Board for November, 2024 , the BOD level of the said River stretch is 3.8 which is above the admissible level of 3.0 (Priority Class-V).
- The BOD level of the Upputeru River stretch reported by CPCB is 3.4. As per the APPCB report for November 2024, the BOD level reported is 2.6 which is below the admissible level of 3.0 (Priority Class-V).

- Regarding the Vashista River, it is submitted that the Stretches (Locations) are Upstream of Narsapuram Town before the confluence of town sewage (Code 4365) and Down Stream of Narsapuram Town after a confluence of town sewage (Code 4366). In both the said two locations, the BOD levels observed by the Central Pollution Control Board before the confluence of the Town Sewage at Upstream of the River stretch is 2.2, which is above the admissible level and after confluence of the Town Sewage at Downstream of the River stretch is 58, which is above admissible level.

As per the Report given by the AP Pollution Control Board, Vijayawada for October, 2024, the BOD Level taken at the two identified Stretches of River Vashista for the i.e., Upstream and Downstream are 2.2 and 2.4 respectively (Codes:4365 & 4366), which are within the admissible levels prescribed i.e., 3.0.

However, it is further submitted that one STP is taken up with a capacity of 8.00 MLD with an estimated cost of Rs.14.60 Crs under SBM 2.0 in Narsapuram Municipality and Land Acquisition is under process.

III E) Status of STPs & NSTPs in the ULBs with below 1 Lakh Population:

State Level Technical Committee and State High Power Committee have approved the construction of STPs in ULBs with below 1 lakh population:

- ULBs with above 1 Lakh Population : 32 ULBs
- ULBs with Below 1 Lakh Population - 91 ULBs (76 ULBs already existing &, 15 ULBs are newly constituted).
- GOI Sanctioned STPs in 76 ULBs with 692.12 MLD with Project Cost of Rs. 1372.68 Cr., in which 2 newley sanctioned ULBs with 33.12 MLD (Mangalagiri & Tadepalli) will be takeup after completion of detailed engineering.
- In 74 ULBs, 8 ULBs are excluded, as the STPs of 90 MLD capacities are being constructed with AIIB funds in Sullurpet, Nandikotkur, Allagadda, Madakasira and Kanigiri and State Special Grant in Pulivendula and Rayachoti. Puttaparthi is having 3 existing STPs.
- In 66 ULBs with a capacity of 569.00 MLD.
- As per G.O.Rt. No. 227, it is proposed to process land acquisition for both Governament & Private land in 48 ULBs under Phase – I.
- These were formed into 13 clusters with 267.71 MLD & Tender process completed.
- Govt. land is available in 28 ULBs covering 131.37 MLD, Cluster-1 to Cluster-8 works and private lands are available in 21 ULBs covering 136.34 MLD. Cluster-9 to Cluster-13, these works are under tender stage to be placed before Tender Approval Committee.

Cluster-Wise Abstract on STPs Under Construction:

Cluster	S. No.	Name of the ULB	Total No. of Projects (STP+NSTP)	Proposed Capacity (MLD)	Present work status
Cluster 01	1	Amadalavalasa	NSTP 02	0.14	Grounded
		Amadalavalasa	NSTP 05	0.18	
		Amadalavalasa	NSTP 06	0.19	
		Amadalavalasa	NSTP 07	0.10	
		Amadalavalasa	NSTP 08	0.28	
	2	Ichapuram	NSTP 01	0.78	Grounded
		Ichapuram	NSTP 02	0.37	
	3	PalasaKasibugga	NSTP 03	0.01	
	4	Bobbili	STP 01	3.50	

Cluster	S. No.	Name of the ULB	Total No. of Projects (STP+NSTP)	Proposed Capacity (MLD)	Present work status
		Bobbili	NSTP 01	0.15	
		Bobbili	NSTP 02	0.16	
		Bobbili	NSTP 04	0.20	
		Bobbili	NSTP 05	0.07	
		Bobbili	NSTP 06	0.07	
	5	Narsipatnam	NSTP 02	0.24	Grounded
	6	Yellamanchali	NSTP 01	0.40	
		Yellamanchali	NSTP 02	0.50	
		Yellamanchali	NSTP 05	0.11	
		Yellamanchali	NSTP 11	0.14	
		Sub Total	STPs-1, NSTPs-18	7.58	
Cluster 2	7	Pithapuram	STP 01	1.10	Tender process completed and file submitted to Govt for approval to issue LOA
		Pithapuram	STP 02	1.00	
	8	Nidadavole	STP 01	3.70	
		Nidadavole	STP 02	3.00	
	9	Palacole	STP 01	5.10	
		Palacole	STP 02	4.00	
	10	Tanuku	NSTP 01	0.07	
		Tanuku	NSTP 02	0.07	
		Sub Total	STPs-6, NSTPs-2	18.04	
Cluster 3	11	Tiruvuru	NSTP 03	0.24	Grounded
	12	Piduguralla	STP 01	5.90	Grounded
		Piduguralla	STP 02	5.20	
	13	Vinukonda	STP 01	5.70	
		Vinukonda	STP 02	5.50	
		Sub Total	STPs-4, NSTPs-1	22.54	
Cluster 4	14	Giddalur	STP 01	6.10	Grounded
	15	Bapatla	STP 01	3.00	
	16	Chirala	STP 02	5.00	
		Sub Total	STPs-3	14.10	
Cluster 5	17	Atmakur	NSTP 01	0.59	Grounded
		Atmakur	NSTP 02	0.18	
		Atmakur	NSTP 03	0.25	
	18	Jammalamadugu	STP 01	7.43	Grounded
		Sub Total	STP-1, NSTPs-3	8.45	
Cluster 6	19	Badvel	NSTP 01	0.24	Grounded
		Badvel	NSTP 02	0.65	
		Badvel	NSTP 03	0.45	
	20	Mydukur	STP 01	8.10	Grounded

Cluster	S. No.	Name of the ULB	Total No. of Projects (STP+NSTP)	Proposed Capacity (MLD)	Present work status
	21	Kandukur	STP 01	9.60	
	22	Atmakur	NSTP 03	0.19	Grounded
		Sub Total	STPs-2, NSTPs-4	19.23	
Cluster 7	23	Gooty	STP 01	3.60	Grounded
		Gooty	STP 02	4.40	
	24	Kadiri	STP 01	14.90	
		Sub Total	STPs-3	22.90	
Cluster 8	25	Gudur	NSTP 01	0.11	Grounded
	26	Venkatagiri	STP 01	9.58	Grounded
	27	Naidupet	STP 01	7.90	Grounded
		Naidupet	NSTP 01	0.79	Grounded
	28	Punganur	NSTP 02	0.16	
		Sub Total	STPs-2, NSTPs-3	18.53	
Sub Totals		53 STPs/NSTPs	STPs-22, NSTPs-31	131.37	

Government have issued instructions to Municipal Commissioners to identify suitable lands required for construction of STPs & NSTPs. To speed up the Land Acquisition, necessary orders are also issued to the District Collectors to acquire the private land thro' Voluntary Acquisition (Sale) of Land Scheme/Programme.

It is proposed to construct 205 Nos. Sewage Treatment Plants in 72 Non-AMRUT ULBs under SBM 2.0. Out of the said 205 STPs, Govt. land Ac.56.50 cents for 58 STPs is available in 27 ULBs and Land Alienation is in the process and Advance Possession of Land is also taken. Land Alienation process is in progress in 5 ULBs (6 STPs) for acquiring Government land of Ac 7.25 cents.

With respect to Land Acquisition of Private Land for construction of 141 STPs, it is submitted that vide G.O.Rt.No.492 MA&UD Dept., dated 16.07.2024 have accorded administrative sanction for Rs.50.00 Crs for construction of STPs in Phase-I and also accorded Administrative Sanction for Rs.267.40 Crs for the balance amount required for construction of STPs by acquiring Private land vide G.O.Rt.No.493, dated 16.07.2024 of MA & UD Department. The land acquisition process is completed for acquiring Ac 25.73 cents for construction 10 STPs in 8 ULBs. In remaining 52 ULBs, the land acquisition for acquiring private lands is in progress.

Wherever Tenders are cancelled, retenders has to be called.

Details of Industrial Pollution:

- No. of Industries in the State: 10020 Nos.
- No. of water polluting industries in the State: 1493 Nos.
- Quantity of effluent generated from the industries in MLD: 4591.6083

Effluent Break-Up Details:

- Once through Cooling water: 3826.13 MLD
- Trade effluents: 437.2646 MLD
- Cooling tower/Boiler blow down: 277.5382 MLD
- Domestic waste water: 50.6755 MLD

Out of the total waste water generation from the industries, major portion is once through cooling water (about 83.33%) and temperature to be maintained for discharge of once through cooling system is not more than 5°C temperature of intake water.

- From the Cooling tower/Boiler blow down (about 6.0444%).
- The remaining about 10.6267% is generated from Trade effluent & Domestic discharges.
- APPCB is not permitting any industry to discharge industrial / trade effluents into the rivers.
- Number of industrial units having ETPs: 1118 No's
 - i. Existing: 1117 no's ETPs
 - ii. Under construction: 1
 - iii. Proposed: Nil
- **Compliance status of the ETPs:**
 - APPCB is regularly monitoring the compliance status of ETPs and action is being initiated for non-compliance industries.
 - Total Number of Non Compling industries: Nil
 - Number and total capacity of CETPs (details of existing/ under construction / proposed).
- Number of industrial units connected to CETP: 375 No's
 - i. Existing: 9 No's with total capacity of 36.80 MLD
 - ii. CETP of 1.5 MLD proposed at Anakapalli District
 - iii. For HTDS effluents (Existing – 2.5 MLD & Proposed - 1.5 MLD)
 - The schedule for completion is as fallows:
 - 0.5 MLD expected in 31.12.2024
 - 0.5 MLD expected in 30.03.2025
 - 0.5 MLD expected in 30.09.2025

- For LTDS effluents (Existing – 7.0 MLD & Proposed- 3.0 MLD (expected in 30.12.2024)).
- Up gradation of CETP of AETL – 1.5 MLD to 2 MLD within 2 years.

Status of Compliance and operation of the CETPs:

S. No	Name and Address of the CETP & contact person	Design Capacity (in MLD)	Current Operating capacity (in MLD)	Type and No. of member units	Compliance status
1.	Brandix India Apparel City Private Limited, APSEZ, Atchutapuram Pudimadaka Road, Visakhapatnam.	20.00	4.574	Textile park- 14 units (Marine outfall)	Complied
2.	Visakha Pharamcity (Formerly) M/s RamkyPharma City (India) Ltd, JN PharmaCity, Parawada Mandal, Visakhapatnam.	9.55	4.494	Pharmaceutical & Bulk drugs – 97 units (Marine outfall)	Complied
3.	Atchuthapuram Effluent Treatment Plant, Atchutapuram Visakhapatnam.	1.5	0.6906	Pharmaceutical & Bulk drugs, other units – 60 (Marine outfall)	Complied
4.	Kondapally Envirotech Pvt. Ltd., (KEPL), IDA, Kondapalli(V), Ibrahimpatnam (M), Krishna District.	0.2	0.164	Pharmaceutical & Bulk drugs- 14 units (ZLD) (Reused in cooling towers of CETP and in member industries)	Complied
5.	Vijayawada Auto Cluster Development Company, Industrial Estate, Auto Nagar, Vijayawada.	0.2	0.054	Food beverages, Herbal pharma, Oil solvents & lubricants - 35 units (For Green belt development)	Complied
6.	Machilipatnam Imitation Jewellery Park Pvt. Ltd., Jewellery Park, Pothepalli, Machilipatnam.	0.07	0.000276	Electro Plating – 48 Units (ZLD)	Complied
7.	Nagari Dyeing Owners Association, Chinthalapatteda (V), Nagari (M), Chittoor District.	4	0.40489	Manual Dyeing units - 90 units (After treatment , shell be discharged into open channel)	Complied
8.	M/s. Andhra Pradesh Industrial Infrastructure Corporation Limited (APIIC), MPSEZ, Menakuru (V), Naidupet (M), SPSR Nellore	1.0	0.121	Pharmaceutical – 25 units (After treatment , recycled into Various Units)	-
9.	M/s. APIIC Mega Food Park, CETP (Phase-I), Sy.No.11, Mallavalli (V), Bapulapadu (M), Krishna District.	0.3	0	1 Unit (Onland for irrigation)	It is under stabilization
	Total	36.80	10.50277		

IV. Solid Waste Management:

- Number of Urban Local Bodies : 123
- Current Municipal Solid Waste Generation: 6890 TPD
- Percentage of collection of Segregated Waste from Source is 98.25.
- Percentage of door to door garbage collection 100.
- Interim Plan is being implemented to provide immediate solution to Solid Waste Management in all ULBs to process & treat the wet, dry & combustible waste.

Door to Door Garbage collection & Source Segregation

- No. of wards in 123 ULBs : 3928
- No. of wards with door to door garbage collection system: 3928
- No. of wards practicing segregation of waste at source: 3859
- 1.21 crores Dustbins in three Colors (3 Bins to each household) have been distributed free of cost to encourage segregation at household level.

Waste to Energy Projects

- There are two Waste to Energy Plants established in Visakhapatnam & Guntur with 15 MW capacity each, which are functional, treating 1800 TPD of the Waste from 80 ULBs (Vishakhapatnam – 27 ULBs & Guntur 53 ULBs – Combustible Waste).
- For Disposal of Combustible Waste, 43 ULBs are mapped to 5 Cement Plants to treat 355 TPD.

Wet Waste Processing Plants

- Total 46 Nos. Waste to Compost Plants, Bio-methanation Plants and ISWM Plants are established covering 55 ULBs. Out of which 33 Nos. are Waste to Compost Plants, 4 Nos. are Bio-CNG plants & 9 Nos. are Integrated Solid Waste Management Plants.
- 33 Nos. Waste to Compost Plants are established covering 37 ULBs and quantity of waste being treated is 1391 TPD.
- 4 Bio-CNG Plants are established covering 8 ULBs & quantity of waste being treated is 175 TPD.
- 9 Nos. Integrated Solid Waste Management Projects are established covering 10 ULBs & quantity of waste being treated is 380 TPD.
- There are 68 Nos. Windrow Composting Units in 68 ULBs processing Wet Waste of 1844 TPD, as an interim measure, till the establishment of ISWM Projects/Waste to Compost Plants/Bio-CNG Plants are established.

- Total 12 Waste to Compost/Bio-methanation Plants (10 Waste to Compost & 2 Bio-methanation) covering 12 ULBs are in progress with an installed capacity of 391 TPD.
- Work Orders issued to 37 Integrated Solid Waste Management Projects covering 51 ULBs. Out of these, 9 Plants are completed & functional, covering 9 ULBs.
- Compost produced is being sold to farmers by Processing Plant Developers & in ULB operated Plants, Compost is being used in Parks, Greenery in Central Medians, Avenue Plantation etc.
- CNG gas produced is being sold to Commercial establishments like Hotels, Restaurants etc.,

Material Recovery facilities (MRFs)

- MRFs already established in 3 Nos. (GVMC, Vijayawada & Tirupathi Municipal Corporations). Construction of MRFs is in progress in 40 ULBs. Tenders to be called for in 62 ULBs. In remaining 18 ULBs, ISWM Plants proposed in which MRFs facilities will be provided.
 - Material Recovery facilities have been established as an interim measure in 120 ULBs to process the dry waste @ 945 TPD, till establishment of MRFs/ISWM Plants is completed.
 - Sorted out recyclables are being sold to identified Recyclers by the ULBs.
- Thus, the total waste generated i.e., 6890 MTs is being treated with the existing processing facilities established in the ULBs.

Construction & Demolition Waste Processing Plants

- Construction & Demolition waste Processing Plants are established in Greater Visakhapatnam Municipal Corporation, Vijayawada Municipal Corporation and Tirupathi Municipal Corporation for treatment of C&D waste and utilizing the processed C&D Waste as paver blocks in footpath works, sand in building/road works. The Paver Blocks & sand are being sold to private agencies/contractors.
- In Kakinada & Kurnool Municipal Corporations, Crushing Units are established by ULBs. Fly Ash Bricks & 20 mm metal are being manufactured in Kurnool and being sold to private agencies & contractors. In Kakinada the crushed C&D Waste being used to fill the low-lying areas.

Bio-Remediation of Legacy Waste

- 123 Dumpsites with an area of 1011 Acres are existing in the ULBs.
- Out of 32 ULBs under the category of above 1 Lakh Population, Bio-remediation was completed in 13 ULBs i.e., completed in Vijayawada, Tirupathi, Ananthapuramu,

Ongole, Machilipatnam Municipal Corporations, Dharmavaram, Guntakal, Chilakalurpet Tadepalligudem, Gudivada ,Adoni , Madanapalli & Bhimavaram Municipalities.

- Work is under progress in remaining 19 ULBs.
- Out of 91 ULBs under the category of below 1 Lakh population, Bio remediation was completed in 13 ULBs i.e., Nuzvidu, Yelamanchili, Kovvur, Pulivendula, Badvel, Rayachoti , Mydukur , Mangalagiri – Tadepalli, Kondapalli ,Palacole & YSR Tadigadapa, Kalyanadurgam & Amalapuram
- Work is in progress in the remaining 78 ULBs.
- So far, 46.59 lakh Tons of Legacy Waste has been treated, out of 85.90 Lakh Tons of estimated quantity.

Status of ULB wise Management of Solid Waste

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	19.00	Existing WtC	11.00	100%	WtE Vizag	6.00	Established	2.00	100%
2	Ichchapuram	18.00	Existing WtC	11.00	100%	WtE Vizag	6.00	Established	1.00	100%
3	Palasa- kasibugga	28.00	Existing WtC	18.00	100%	WtE Vizag	10.00	Established	1.00	100%
4	Rajam	21.00	Existing WtC	12.00	100%	WtE Vizag	7.00	Established	2.00	100%
5	Bobbili	29.00	Existing WtC	18.00	100%	WtE Vizag	12.00	Established	1.00	100%
6	Salur	24.00	Existing WtC	18.00	100%	WtE Vizag	7.00	Established	1.00	100%
7	GVMC	918.00	Existing WtC	520.00	100%	WtE Vizag	353.00	Established	46.00	100%
8	Narsipatnam	30.00	Existing WtC	16.00	100%	WtE Vizag	12.00	Established	2.00	100%
9	Yellamanchili	23.00	Existing WtC	13.00	100%	WtE Vizag	8.00	Established	2.00	100%
10	Adoni	81.00	Existing CNG	23.00	100%	Connected to Cement Factories	14.00	Established	44.00	100%

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
11	Nuzivid	29.00	Existing WtC	16.00	100%	WtE Guntur	10.00	Established	3.00	100%
12	Tiruvuru	17.00	Existing WtC	9.00	100%	WtE Guntur	6.00	Established	2.00	100%
13	Tenali	80.00	Existing WtC	44.00	100%	WtE Guntur	32.00	Established	4.00	100%
14	Sattenpalle	28.00	CNG - Piduguralla	13.00	100%	WtE Guntur	10.00	Established	5.00	100%
15	Narsaraopet	57.00	CNG - Piduguralla	13.00	100%	WtE Guntur	30.00	Established	14.00	100%
16	Piduguralla	31.00	Existing CNG	13.00	100%	WtE Guntur	12.00	Established	6.00	100%
17	Allagadda	20.00	Existing WtC	11.00	100%	Connected to Cement Factories	4.00	Established	5.00	100%
18	Rayadurgam	30.00	Existing WtC	18.00	100%	Connected to Cement Factories	4.00	Established	8.00	100%
19	Puttaparty	15.00	Existing WtC	8.00	100%	Connected to Cement Factories	3.00	Established	4.00	100%
20	Yemmiganur	46.00	CNG – Adoni	23.00	100%	Connected to Cement Factories	8.00	Established	15.00	100%
21	Anantapur	131.00	Windrow composting	81.00	100%	Connected to Cement Factories	20.00	Established	30.00	100%
22	Atmakur K	22.00	Windrow composting	13.00	100%	Connected to Cement Factories	3.00	Established	6.00	100%

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
23	Badvel	35.00	ISWM Functional	20.00	100%	Connected to Cement Factories	6.00	Established	9.00	100%
24	Dhone	29.00	Windrow composting	18.00	100%	Connected to Cement Factories	5.00	Established	6.00	100%
25	Markapur	35.00	Existing WtC	19.00	100%	WtE Guntur	14.00	Established	2.00	100%
26	Giddalur	19.00	Existing WtC	11.00	100%	Connected to Cement Factories	3.00	Established	5.00	100%
27	Kanigiri	22.00	Existing WtC	12.00	100%	WtE Guntur	8.00	Established	2.00	100%
28	Chirala	42.00	Existing WtC	25.00	100%	WtE Guntur	15.00	Established	2.00	100%
29	Gudivada	58.00	Windrow composting	32.00	100%	WtE Guntur	23.00	Established	3.00	100%
30	Palamaneru	25.00	Existing WtC	15.00	100%	Connected to Cement Factories	3.00	Established	7.00	100%
31	Punganur	27.00	Existing WtC	16.00	100%	Connected to Cement Factories	4.00	Established	7.00	100%
32	Madanpalle	67.00	Existing CNG	29.00	100%	Connected to Cement Factories	11.00	Established	28.00	100%
33	Sullurpet	22.00	Existing WtC	12.00	100%	WtE Guntur	7.00	Established	3.00	100%
34	Srikakulam	65.00	ISWM Functional	35.00	100%	WtE Vizag	26.00	Established	3.00	100%

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
35	Palakonda	16.00	Windrow composting	8.00	100%	WtE Vizag	6.00	Established	2.00	100%
36	Vizianagaram	119.00	ISWM Functional	65.00	100%	WtE Vizag	48.00	Established	6.00	100%
37	Parvathipuram	26.00	Windrow composting	14.00	100%	WtE Vizag	9.00	Established	3.00	100%
38	Nellimarla	14.00	Windrow composting	8.00	100%	WtE Vizag	5.00	Established	1.00	100%
39	Gudur N	36.00	Windrow composting	19.00	100%	Connected to Cement Factories	13.00	Established	4.00	100%
40	Guntakal	62.00	Windrow composting	32.00	100%	Connected to Cement Factories	11.00	Established	19.00	100%
41	Jaggaihpeth	26.00	Windrow composting	14.00	100%	WtE Guntur	8.00	Established	4.00	100%
42	Jammalamadugu	22.00	Existing WtC	12.00	100%	Connected to Cement Factories	4.00	Established	6.00	100%
43	Pedana	16.00	Windrow composting	9.00	100%	WtE Guntur	5.00	Established	2.00	100%
44	Vuyyuru	20.00	Windrow composting	11.00	100%	WtE Guntur	6.00	Established	3.00	100%
45	Guntur	363.00	Windrow composting	200.00	100%	WtE Guntur	145.00	Established	18.00	100%
46	Mangalagiri - Tadepalle	70.00	Windrow composting	38.00	100%	WtE Guntur	28.00	Established	4.00	100%

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
47	Ponnur	29.00	Existing WtC	16.00	100%	WtE Guntur	9.00	Established	4.00	100%
48	Chilakaluripet	49.00	Windrow composting	27.00	100%	WtE Guntur	20.00	Established	2.00	100%
49	Bapatla	34.00	Windrow composting	19.00	100%	WtE Guntur	10.00	Established	5.00	100%
50	Repalle	25.00	Existing WtC	13.00	100%	WtE Guntur	8.00	Established	4.00	100%
51	Vinukonda	30.00	ISWM Functional	16.00	100%	WtE Guntur	9.00	Established	5.00	100%
52	Macherla	28.00	Existing WtC	19.00	100%	WtE Guntur	8.00	Established	1.00	100%
53	Kadapa	167.00	Windrow composting	93.00	100%	Connected to Cement Factories	28.00	Established	46.00	100%
54	Dharmavaram	62.00	Windrow composting	35.00	100%	Connected to Cement Factories	11.00	Established	16.00	100%
55	Kadiri	43.00	Windrow composting	24.00	100%	Connected to Cement Factories	7.00	Established	12.00	100%
56	Gooty	24.00	Windrow composting	13.00	100%	Connected to Cement Factories	4.00	Established	7.00	100%
57	Hindupur	74.00	Windrow composting	40.00	100%	Connected to Cement Factories	13.00	Established	21.00	100%
58	Kurnool	224.00	Windrow composting	128.00	100%	Connected to Cement Factories	36.00	Established	60.00	100%

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
59	Kalyandurgam	21.00	WtC Functional	11.00	100%	Connected to Cement Factories	4.00	Established	6.00	100%
60	Madakasira	12.00	Windrow composting	7.00	100%	Connected to Cement Factories	2.00	Established	3.00	100%
61	Machilipatnam	89.00	Windrow composting	49.00	100%	WtE Guntur	36.00	Established	4.00	100%
62	Mydukur	22.00	Windrow composting	12.00	100%	Connected to Cement Factories	3.00	Established	7.00	100%
63	Nandigama	22.00	Windrow composting	12.00	100%	WtE Guntur	7.00	Established	3.00	100%
64	Nandikotkur	23.00	Windrow composting	13.00	100%	Connected to Cement Factories	4.00	Established	6.00	100%
65	Gudur K	14.00	Windrow composting	8.00	100%	Connected to Cement Factories	2.00	Established	4.00	100%
66	Nandyal	98.00	Windrow composting	59.00	100%	Connected to Cement Factories	16.00	Established	23.00	100%
67	Proddutur	79.00	Windrow composting	44.00	100%	Connected to Cement Factories	13.00	Established	22.00	100%
68	Pulivendula	32.00	Existing WtC	19.00	100%	Connected to Cement Factories	5.00	Established	8.00	100%
69	Rajahmundry	168.00	ISWM Functional	92.00	100%	WtE Vizag	67.00	Established	8.00	100%
70	Rajampeta	23.00	Windrow composting	13.00	100%	Connected to Cement Factories	4.00	Established	6.00	100%

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
71	Rayachoti	44.00	ISWM Functional	26.00	100%	Connected to Cement Factories	7.00	Established	11.00	100%
72	Tadipatri	53.00	Existing WtC	31.00	100%	Connected to Cement Factories	9.00	Established	13.00	100%
73	Tirupati	208.00	Existing CNG	110.00	100%	Connected to Cement Factories	35.00	Established	63.00	100%
74	Ongole	123.00	Windrow composting	68.00	100%	WtE Guntur	49.00	Established	6.00	100%
75	Chimakurthy	17.00	Existing WtC	9.00	100%	WtE Guntur	5.00	Established	3.00	100%
76	Addanki	20.00	Existing WtC	11.00	100%	WtE Guntur	6.00	Established	3.00	100%
77	Kandukur	28.00	Windrow composting	14.00	100%	WtE Guntur	10.00	Established	4.00	100%
78	Kakinada	159.00	ISWM Functional	87.00	100%	WtE Vizag	64.00	Established	8.00	100%
79	Vijayawada	507.00	Existing WtC	290.00	100%	WtE Guntur	203.00	Established	25.00	100%
80	Gollaprolu	11.00	Windrow composting	6.00	100%	WtE Vizag	3.00	Established	2.00	100%
81	Pithapuram	25.00	Windrow composting	13.00	100%	WtE Vizag	8.00	Established	4.00	100%
82	Peddapuram	24.00	Windrow composting	13.00	100%	WtE Vizag	7.00	Established	4.00	100%

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
83	Samalkota	28.00	Windrow composting	16.00	100%	WtE Vizag	8.00	Established	4.00	100%
84	Yeleswaram	16.00	Windrow composting	9.00	100%	WtE Vizag	5.00	Established	2.00	100%
85	Ramachandrapuram	21.00	Windrow composting	12.00	100%	WtE Vizag	6.00	Established	3.00	100%
86	Mandapeta	26.00	Windrow composting	14.00	100%	WtE Vizag	8.00	Established	4.00	100%
88	Tuni	12.00	Windrow composting	6.00	100%	WtE Vizag	4.00	Established	2.00	100%
88	Mummidivaram	26.00	Windrow composting	14.00	100%	WtE Vizag	8.00	Established	4.00	100%
89	Amalapuram	26.00	Existing WtC	14.00	100%	WtE Vizag	8.00	Established	4.00	100%
90	Eluru	106.00	Windrow composting	59.00	100%	WtE Guntur	42.00	Established	5.00	100%
91	Tadepalligudem	51.00	Windrow composting	28.00	100%	WtE Guntur	20.00	Established	3.00	100%
92	Tanuku	44.00	Windrow composting	24.00	100%	WtE Guntur	13.00	Established	7.00	100%
93	Palakollu	33.00	Windrow composting	18.00	100%	WtE Guntur	10.00	Established	5.00	100%
94	Narsapuram	29.00	Windrow composting	16.00	100%	WtE Guntur	9.00	Established	4.00	100%

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
95	Bhimavaram	69.00	Windrow composting	38.00	100%	WtE Guntur	28.00	Established	3.00	100%
96	Nidadavole	21.00	Windrow composting	12.00	100%	WtE Guntur	6.00	Established	3.00	100%
97	Kovvur	19.00	Clustered with ISWM Rajahmundry	10.00	100%	WtE Vizag	6.00	Established	3.00	100%
98	JangareddyGudem	26.00	Windrow composting	14.00	100%	WtE Guntur	8.00	Established	4.00	100%
99	Chittoor	92.00	Windrow composting	55.00	100%	Connected to Cement Factories	16.00	Established	21.00	100%
100	SriKalahasti	39.00	Windrow composting	23.00	100%	Connected to Cement Factories	7.00	Established	9.00	100%
101	Nagari	30.00	Windrow composting	17.00	100%	Connected to Cement Factories	6.00	Established	7.00	100%
102	Puttur	26.00	Windrow composting	15.00	100%	Connected to Cement Factories	5.00	Established	6.00	100%
103	Nellore	300.00	Windrow composting	165.00	100%	WtE Guntur	120.00	Established	15.00	100%
104	Venkatagiri	25.00	ISWM Functional	13.00	100%	WtE Guntur	8.00	Established	4.00	100%
105	Yerraguntla	17.00	Windrow composting	10.00	100%	Connected to Cement Factories	4.00	Established	3.00	100%
106	Naidupet	22.00	Windrow composting	12.00	100%	WtE Guntur	7.00	Established	3.00	100%

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
107	Atmakur N	15.00	Windrow composting	8.00	100%	WtE Guntur	5.00	Established	2.00	100%
108	Kavali	51.00	Windrow composting	28.00	100%	WtE Guntur	20.00	Established	3.00	100%
109	Kondapalli	21.00	ISWM Functional	12.00	100%	WtE Guntur	6.00	Established	3.00	100%
110	Akiveedu	11.00	Windrow composting	6.00	100%	WtE Guntur	2.00	Established	3.00	100%
111	Dachepali	11.00	Clustered with Existing Bio CNG Piduguralla	6.00	100%	WtE Guntur	3.00	Established	2.00	100%
112	Gurazala	9.00	Clustered with Existing WtC, Macherla	5.00	100%	WtE Guntur	3.00	Established	1.00	100%
113	Darsi	12.00	Windrow composting	6.00	100%	WtE Guntur	4.00	Established	2.00	100%
114	BuchireddyPalem	12.00	Windrow composting	6.00	100%	WtE Guntur	4.00	Established	2.00	100%
115	Penukonda	10.00	Clustered with Existing WtC, Puttaparthi	5.00	100%	Connected to Cement Factories	2.00	Established	3.00	100%
116	Bethamcharla	14.00	Windrow composting	9.00	100%	Connected to Cement Factories	2.00	Established	3.00	100%
117	Kamlapuram	7.00	Windrow composting	4.00	100%	Connected to Cement Factories	1.00	Established	2.00	100%

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
118	Kuppam	15.00	Windrow composting	9.00	100%	Connected to Cement Factories	3.00	Established	3.00	100%
119	Y.S.R. - Tadigadapa	29.00	Clustered with Existing WtC, Vijayawada	19.00	100%	WtE Guntur	9.00	Established	1.00	100%
120	Chintalapudi	4.00	Windrow composting	4.00	100%	WtE Guntur	1.00	Established	1.00	100%
121	Podili	6.00	Clustered with Existing WtC, Kanigiri	5.00	100%	WtE Guntur	2.00	Established	1.00	100%
122	Alluru	9.00	Windrow composting	5.00	100%	WtE Guntur	3.00	Established	1.00	100%
123	B.KothaKota	6.00	Windrow composting	3.00	100%	Connected to Cement Factories	1.00	Established	2.00	100%

V. Bio-medical Waste Management:

- Total Bio-medical waste generation: 17 Tonns/Day
- No. of Hospitals and Health Care Facilities: 15,387 Nos.

Status of Treatment Facility/ CBMWTF	:	Presently, there are 13 Nos. of Common Bio-medical Waste Treatment and disposal Facilities (CBMWTFs) operating in the State of Andhra Pradesh for treatment and for disposal of Bio-Medical waste as per the BMW Management Rules 2016.
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VI. Hazardous Waste Management:

- Total Hazardous Waste generation is about:48,567.07 Tones during the month of November, 2024 and cumulative quantity (April 2023 to November 2024) is approximately 95,21,49.5031 Tones.
- No of industries generating Hazardous Waste: 2854 Nos as per Hazardous Waste inventory, 2022-23.
- **For the month of November, 2024, the Quantity of Hazardous Waste Treated & Disposed is as follows:**
 - i) Utilizable waste is 31428.58 TPM (suitable to use as raw material or as alternative fuel viz. Co-processing in Cement Plants so as to conserve the resources),
 - ii) Recyclable waste is 2765.66 TPM (suitable for recycling /recovery of material viz. oil reclamation units, lead and zinc recovery units).
 - iii) Incinerable waste is 245.79 TPM (not suitable for any recycling / reuse and having high calorific value i.e. > 2500 K cal/kg) and
 - iv) Land fillable waste is 14127.05 TPM (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.

Note: The above data is obtained from the APEMC online portal. The above data may vary during verification of annual returns submitted by the industry.

- **Details of on-going or proposed TSDF:**
 - ✓ Two common TSDF are existing in the State of Andhra Pradesh
 - ✓ M/s Coastal Waste Management Project Unit-1, Parwada, Visakhapatnam.
 - ✓ M/s Coastal Waste Management Project Unit-2 a division of Mumbai Waste Management Limited, S.P.S.R. Nellore District.

VII. Plastic Waste Management:

Total Plastic Waste Generation	64339.412 TPA (As per Annual Report for the F.Y. 2022-23).										
Implementation of Plastic Waste Management Rules, 2016 in Urban Local Bodies.	156 Nos of Producers and 114 Importers, 65 Brand owners & 58 Nos of plastic waste processors are registered in the EPR Portal of CPCB. - The State has released G.O.Ms.No.81, dated 29.11.2022 for implementation of identified Banned Single Use Plastic (SUP) by designating enforcement authorities and stipulating penalties for effective enforcement of PWM Rules. - APPCB along with stake holding depts. has conducted 1,28,401 Special Inspection Drives from July 2022 to May 2024 & seized 94,358.26 Kgs of banned SUP material and levied Rs.334.03 Lakhs on violators by ULBs. - Instructions have been issued to the urban local bodies to continue special inspection drives. - Communicated Draft SOP on Characterization and Assessment of Plastic Waste Generation in the state to the stakeholder's departments. - The status of EPR Target fulfillment by PIBOs and Credit generation by PIBOs during the F.Y.2022-2023 is as follows: <table border="1"> <thead> <tr> <th>Type of Entity</th><th>No of Registrations</th></tr> </thead> <tbody> <tr> <td>Producers, Importers, Brand Owners (PIBOs)</td><td>335</td></tr> <tr> <td>Plastic Waste Processors (PWPs)</td><td>58</td></tr> </tbody> </table> - The status of non-fulfilment of EPR Target by PIBOs during the F.Y.2022-2023 is as follows: <table border="1"> <thead> <tr> <th>Type of Entity</th><th>No of Registrations</th></tr> </thead> <tbody> <tr> <td>Producers, Importers, Brand Owners (PIBOs)</td><td>82</td></tr> </tbody> </table>	Type of Entity	No of Registrations	Producers, Importers, Brand Owners (PIBOs)	335	Plastic Waste Processors (PWPs)	58	Type of Entity	No of Registrations	Producers, Importers, Brand Owners (PIBOs)	82
Type of Entity	No of Registrations										
Producers, Importers, Brand Owners (PIBOs)	335										
Plastic Waste Processors (PWPs)	58										
Type of Entity	No of Registrations										
Producers, Importers, Brand Owners (PIBOs)	82										

VIII. Details of Alternate Treatment Technology being adopted by the State**Details of Faecal Sludge Treatment Plants:**

No. of Completed FSTPs : 9 (165 KLD)

No. of In-progress FSTPs : 82 (1170 KLD)

IX. (A): Details of Completed FSTPs:

S.No.	Name of ULB	Capacity (in KLD)	Operational Status of FSTP
1	Narsapur	15	Operational
2	Rajam	15	Operational
3	Palamaneru	15	Operational
4	Bobbili	15	Operational
5	Vinukonda	15	Operational
6	Dhone	20	Completed
7	Markapur	20	Completed
8	Chirala	25	Completed
9	Rayachoti	25	Completed
Total		165	

IX (B): Details of In-Progress FSTPs:

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
1	Gooty	15	80% Work Completed Jan-2025
2	Jammalamadugu	15	90% Work Completed Jan-2025
3	Kadiri	25	80% Work Completed Jan-2025
4	Kalyanadurgam	10	March -2025
5	Madakasira	5	March -2025
6	Pulivendula	20	98% Work completed Jan-2025
7	Puttaparthi	10	March -2025
8	Rayadurg	20	March -2025
9	Allagadda	10	March -2025
10	Atmakur (K)	15	March -2025

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
11	Badvel	25	March -2025
12	Gudur (K)	5	March -2025
13	Mydukuru	15	10% Work Completed March -2025
14	Nandikotkur	15	March -2025
15	Yelamanchili	15	March -2025
16	Punganur	15	90% Work completed Jan-2025
17	Rajampeta	15	10% Work Completed March -2025
18	Yerraguntla	10	March -2025
19	Atmakur (N)	10	March -2025
20	Giddalur	10	March -2025
21	Gudur (TPT)	20	45% Work completed Feb - 2025
22	Kandukur	20	35% Work completed Feb - 2025
23	Kanigiri	15	25% Work completed March-2025
24	Nagari	20	50% Work completed March - 2025
25	Naidupet	15	March -2025
26	Puttur	15	March -2025
27	Sullurpeta	15	35% Work Completed March -2025
28	Venkatagiri	15	30% Work completed Feb-2025
29	Addanki	10	March -2025
30	Bapatla	25	85% work Completed Jan-2025
31	Chimakurthy	10	March -2025
32	Macherla	15	35% Work Completed March -2025
33	Mangalagiri	25	March -2025
34	Piduguralla	15	30% Work Completed March -2025
35	Ponnur	15	90% Work Completed Jan-2025

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
36	Repalle	15	10% Work Completed March-2025
37	Sattenapalli	15	10% Work Completed March-2025
38	Salur	15	March -2025
39	Amalapuram	15	March -2025
40	Gollaprolu	5	March -2025
41	Kovvur	10	March -2025
42	Mandapeta	15	March -2025
43	Mummidivaram	10	March -2025
44	Peddapuram	15	50% Work completed Feb - 2025
45	Pithapuram	15	30% Work completed March -2025
46	Ramachandrapuram	15	30% Work completed March -2025
47	Samalkota	15	March -2025
48	Tuni	15	March -2025
49	Yeleshwaram	10	30% Work completed March -2025
50	Amudalavalasa	10	March -2025
51	Parvathipuram	15	March -2025
52	Ichapuram	10	March -2025
53	Narsipatnam	20	30% Work completed March -2025
54	Nellimarla	10	March -2025
55	Palakonda	10	March -2025
56	Palasa-Kasibugga	15	March -2025
57	Kondapalli	20	35% Work completed Feb-2025
58	Jaggiahpetta	15	45% Work completed Feb-2025
59	Nandigama	15	70% Work completed Jan-2025
60	Jangareddigudem	15	10% Work Completed March-2025
61	Nidadavolu	15	10% Work Completed March-2025

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
62	Palacole	25	March -2025
63	Pedana	10	March -2025
64	Tadepalli	30	40% Work completed Feb - 2025
65	Tanuku	20	10% Work Completed March-2025
66	Vuyyuru	10	March-2025
67	Nuzividu	20	10% Work Completed March-2025
68	Tiruvuru	10	40% Work Completed Feb - 2025
69	Akiveedu	10	March-2025
70	Dachepali	10	10% Work Completed March-2025
71	Gurazala	10	10% Work Completed March-2025
72	Darsi	10	10% Work Completed March-2025
73	Buchireddy Palem	10	10% Work Completed March-2025
74	Penukonda	10	March-2025
75	Bethamcharla	10	10% Work Completed March-2025
76	Kamalapuram	10	March-2025
77	Kuppam	15	10% Work Completed March-2025
78	Y.S.R. -Tadigadapa	25	March-2025
79	Chintalapudi	10	15% Work Completed March-2025
80	Podili	10	March-2025
81	Alluru	10	10% Work Completed March-2025
82	B.KothaKota	10	10% Work Completed March-2025
	Total	1170	

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

A total 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.

X. Details of Nodal Officer appointed by Chief Secretary in the State/UT:

Commissioner & Director of Municipal Administration has been appointed as a Nodal Officer for Polluted River Stretches as per G.O.Rt.No.103 EFS&T Department Dated: 25-11-2020.

XI. Details of Meetings carried under the Chairmanship of Chief Secretary in the State/UT:

A Review meeting was conducted by the Chief Secretary to Government on 12.10.2023 with the officials of Municipal Administration Department, Swachh Andhra Corporation, Engineer-in-Chief (Public Health), APUFIDC, APPCB etc., on solid and liquid waste management and on the Orders of the Hon'ble National Green Tribunal, New Delhi in O.A.No.606 of 2018.

XII. Latest water quality of polluted river, its tributaries, drains with flow details:

- APPCB has been monitoring the 8 (5+3) polluted river stretches at 31 (27+4) locations on monthly basis and the data is being uploaded in RRC Website <https://rrc.ap.gov.in/Views/Monitoring.aspx> every month. (Annexure)

XIII. Ground Water Regulation:

The main objective of the Ground Water and Audit Department is to monitor Ground Water regime, scientific Development and management of Ground Water resources in the state. In view of repeated droughts and alarming depletion in groundwater resources, emphasis is laid on efficient water conservation and management. One such measure is the enactment called Andhra Pradesh Water, Tree Act (APWALTA) in 2002. This act is a comprehensive act covering surface and groundwater resources. The act aims to promote water conservation, enhance tree cover and regulate the exploitation and use of ground and surface water. The act empowered the State Government to appoint a State Level Authority viz., Andhra Pradesh Water, Land and Tree Authority.

The Authority has the mandate to promote water conservation, enhance tree cover, regulate exploitation of ground and surface water, make regulations for the

functioning of the authorities at District and Mandal Level (administrative units within Districts).

State Level WALTA Authority : Commissioner of Rural Development Department.

Mandal Level WALTA Authority : Tahsildhar

The Groundwater Department is providing necessary technical inputs on Ground water issues to the authority whenever requested for effective implementation of the Act.

Annual Assessment of Ground Water Resources:

Ground Water Resources Assessment for the State of Andhra Pradesh is being carried out annually by the ground water & Water audit Department under the guidelines of State Level Committee (SLC) on Groundwater Assessment at State Level and under the overall supervision of the Central Level Expert Group based on the norms and guidelines of the GEC-2015 methodology. Such exercise has been taken up recently for the year 2023. The assessment involves comparing of annual extractable Groundwater Resources, total annual Groundwater extraction and the % of utilization with respect to annual extractable resource i.e. stage of development for all 17467 villages, 679 Mandals and 748 micro basins in the State.

Out of all the states in the country only Andhra Pradesh and Telangana states are doing this assessment taking village as basic assessment unit rest of the states are doing the exercise taking Mandal as basic assessment unit. Based on the computation assessment units i.e., Villages are categorized as Over Exploited where the groundwater extraction is > 100%, critical where the extraction between 90-100%, semi-critical where the extraction is 70- 90 % and Safe where the extraction is <70%. of the Availability.

After every periodic assessment the Government come up with a notification listing over exploited villages and ban further exploitation of Groundwater and sand mining in these villages. The below given table gives the region wise classification of these villages in the State. That implies no new permissions to drill bore wells be entertained in these villages.

Number of Mandals and Villages notified as over-exploited(OE) in Andhra Pradesh

(as per GEC-2023): these are approved in the state Level Committee (SLC) and

Villages are to be notified shortly

Region	No. of Over Exploited Mandals	No. of Notified OE Villages
Coastal	5	185
Rayalaseema	4	115
Total	09	300

XIV. Good Irrigation practices and Rain Water Horvesting:

The Ground Water and Water Audit Department is not directly involved in execution of the Water Conservation and rainwater harvesting in the state. However, the inferences drawn from the activities of the Ground Water and Water Audit Department are disseminated to the line departments, planners, stake holders for taking appropriate management measures for optimal utilization and sustainable development of Groundwater Resource.

- **Groundwater Quality:**

The Ground Water and Water Audit Department collect Pre and Post monsoon water samples from the permanent monitoring stations and analyze the samples for major cations and anions as to assess irrigation suitability. The Rural Water Supply (RWS) Department is having the appropriate laboratory equipment to analyze all parameters at regional level as the department is specialized in dealing with the issues related to drinking water Parameters. The Pollution Control Board possess the requisite equipment to analyze all the parameters to know the major pollution hotspots and to study the periodical variations, particularly in industrial area.

- **Groundwater Charging:**

Not charging any Groundwater extraction charges as per present policies and legislations However the process of implementation of Groundwater extraction charges for industrial use is under process.

XV. Rain Water Harvestings:

XVI. Demarcation of Floodplain and removal of illegal encroachments:

XVII. Maintaining minimum e-flow of river:

XVIII. Plantation activities along the rivers:

XIX. Development of Biodiversity Parks:

The Andhra Pradesh State Biodiversity Board was established under Biodiversity Act, 2002 (Central Act) and was established in the Year 2006. The main objectives or functions of the Biodiversity Board are:

1. Conservation of the Bio Diversity in the State.
2. Sustainable utilization of bio- resources and
3. Fair and equitable share of sale proceeds of bio- resources to all the stakeholders

The Andhra Pradesh State Biodiversity Board as part of fulfillment of its objects it has taken up various activities as shown below:

Decelopment of Biodiversity of Parks & Digital Museums:

The A.P. State Biodiversity Board have approved a vision plan and perspective plan in its meeting held on 28.07.2020 wherein it has agreed to set up Biodiversity Parks and Digital Museums in 7 districts out of 13 districts in the State to showcase the ecosystems, fauna and flora of Andhra Pradesh and to bring awareness and interest on the ecology and conservation of biodiversity among the general public especially for the student community.

Out of 7 parks proposed the Government have permitted the District Collector, YSR District, Kadapa to handed over 6 Acres of land at Chinnachowk Village, Kadapa Rural Mandal. The A.P. Greening & Beautification Corporation is taking up the works of Biodiversity Park, remaining 6 parks are in process.

As a part of establishment of Biodiversity Digital Museums, the A.P. State Bio-Diversity Board have entered into an agreement with M/s. KELTRON, Tiruvananthapuram a Government of Kerala Undertaking for supply of Digital Kiosks of 32" 2nos and 42" 1no to each digital museum which displays the world biodiversity, Indian Biodiversity and State Biodiversity in particular to that area in two languages i.e., English and Telugu. It also provides Play Station, Quiz and Other child interested games related to Ecology. Further, the A.P. State Biodiversity Board have also designed and ordered models and wall panels to display the Andhra Pradesh Ecology Systems in FRP made along with a 10 x 6 size display table and clear acrylic box and wall panels reflecting fauna and flora of A.P, Biodiversity acts printed on Vinyl with lamination, pasting of Vinyl to ACP panel and framing including computer design of 5' x 3' size of 10 nos to each museum. All the 7 museums were located in Government buildings identified by concerned Municipal Corporations with in the city limits.

The Andhra Pradesh State Bio Diversity Board have taken initiation on the orders of Hon'ble National Green Tribunal (NGT). New Delhi and also as per the directions of the Secretary, Jala Shakti, Government of India during the 15th Central Monitoring Committee meeting held on 10.01.2023 regarding the action Plan relating to conservation of biodiversity, setting up of biodiversity parks on flood plains along polluted river stretches.

Accordingly, the Andhra Pradesh State Biodiversity Board in its meeting held on 21.11.2023 have approved for Establishment of Bio diversity parks on the flood plains of polluted river stretches of Andhra Pradesh, as such a letter has been addressed to the concerned District Collectors of the five identified polluted River Stretches of Andhra

Pradesh to identify at least 20.00 Acres of land to establish biodiversity parks and explaining the necessity and also benefits of the establishments of the bio diversity parks in the river plains taking the Yamuna Bio diversity park developed by DDA on the floods plains as a modal. It is also appropriate to inform that a letter has been addressed to prof. .C.R Babu, who is the architect of Yamuna Biodiversity park and other seven parks in New Delhi to identify possibilities to establish bio Diversity parks in the river plains of Andhra Pradesh vide this office letter no: 1221/NGT/2023, Dated: 13.12.2023.

Conservation Activities:

1) Home Herbal Garden:

The National Medicinal Plant Board, New Delhi have sanctioned projects on conservation of Nurseries namely, Home Herbal Garden (HHG) and other one nursery activities. The APSBB have procured and raised nurseries for supply of plants as proposed by the NMPB to supply to the households about 7,80,000 plants are proposed for 13,000 household beneficiaries in 13 districts of A.P. Each district is selected 10 Mandals and in each Mandal 10 villages and in each village 10 beneficiaries totalling to 13,000 beneficiaries as in 1st phase. Till now, 5,89,300 plants were distributed to the beneficiaries.

2) Nurseries:

The National Medicinal Plant Board, New Delhi have sanctioned nursery project to APSBB for raising 7,80,000 bag plant nurseries in 13 districts of Andhra Pradesh out of 13 districts nurseries raised in 11 districts, each nursery consisting of 60,000 bag plants which are to be distributed to the identified beneficiaries of the Grama Sabhas. About 2,28,930 nursery plants were distributed till now under the scheme.

3) Other Nurseries:

The APSBB have raised and procured bag plants of 1,14,000 with ABS funds available and out of the scheme 51,000 bag plants were distributed so far to the identified beneficiaries.

4) Awareness programmes:

The APSBB have created massive awareness programmes to the BMCs, Officials and general public (especially targeting student community) in the past 2.5 years through physical and virtual mode. Most of the Programmes are virtually organised due to Covid pandemic and created awareness among all sections of public. It also taken up

printing of leaflets, brochures, knowledge material and widely distributed through BMCs of all the levels and also by conducting awareness programmes for all stakeholders.

The APSBB have also produced documentary films under the series a window to the A.P. State Biodiversity, about 7 films on wetlands, dry lands, Mada forests, grass lands and Forest Ecology also on HHG, the experiences of biodiversity conservers in the society.

The APSBB has strated awarencess programmes and as a part it scheduled a programme from May, 2024 to all the BMC Members and stakeholders to create awareness on Bio diversity act and conservation of Biodiversity in phased manner by grouping 50 persons in each training programme at A.P. forest Academy, Rajamahedhravaram and during May 2024 (2) training camps in each month were organized.

The APSBB have taken up reprinting of the books on Biosiversity Act, 2002 and Amendment act in 2023for distribution to the BMC members and other stakeholders to create awareness on BD Act.

The APSBB have Planed 500 nos wood bearing plants and medical plants on the various occasions in the month of September, 2024 throught the State.

5) CAAP and ICAAP Activities:

As a part of Operationalization of BMCs the APSBB have designed a programme namely Core Activities Action Plan (CAAP) In all BMCs in the State by identifying 15 core activities and selected 551 Mandal Biodiversity Coordinators out of 661 Mandals and organized to open Local Biodiversity fund (LBF) accounts in BMCs on joint operation mode.

To make a model BMCs an Intensive Core Activities Action Plan (ICAAP) with 10 core activities in 78 Mandals of 661 Mandals by taking 20 villages in each Mandal to operate the ICAAP. The 78 Mandals were divided into 26 clusters consisting of 3 Mandals in each cluster to implement the ICAAP activities. In IACCP activities raising nurseries of 1 lakh bag plants in each cluster, establishment of Mandal Biodiversity Park/Raasi Vanam/ Nakshatra Vanam/ Butterfly Park/Smruthi Vanam etc., of 1 Acre in each Mandal. Promotion of Organic farming and land races, cultivation of Wild variety crops, Promotion of unique animal breed, Identification of BHS etc., are included in the ICAAP.

Statement showing the Particulars of Conservation and awareness programmes done under APSBB during the Period up to September, 2024.

S. No.	Name of the activity	Number of programmes taken up during the mentioned period		
		2024-25		
		Target	Achieved	Distributed
1.	Biodiversity Management Committees constituted	-	14,157	Completed
2.	PBRs written (e-PBRs)	-	-	Completed
	ZP level – 13			
	Mandal level – 661			
	Municipal Corporation level – 120			
	Gram Panchayath level – 13,363			
3.	Awareness programmes Physical	-	07	-
	Virtual	-	01	-
4.	Conservation (Nurseries raised) i)NMPB – Home Herbal Garden	-	-	-
	ii)NMPB - Nurseries	-	-	-
	iii)Others – Nurseries under ABS funds	-	-	-
	iv)Others – ICAAP Nurseries	-	-	-
	v) Other events	-	20	-
5.	Biodiversity Parks in Districts	07	01	-
6.	Biodiversity Parks in flood plains	05	-	-
7.	Biodiversity Museums	07	07	Completed

XX. Reuse of Treated Water:

14 ULBs Utilizing Re-Use of Treated Waste Water

S.No	Name of the ULB	Installed Capacity (in MLD)	Qty of treated sewage utilised (in MLD)
1	2	3	4
1	Visakhapatnam	233.00	85.93
2	Rajamahendhravaram	30.00	20.00
3	Vijayawada	130.00	45.00
4	Tirupathi	50.00	33.00
5	Narsaraopeta	15.55	8.50
6	Tadipatri	11.50	6.50
7	Puttaparthi	1.50	0.30
8	Kurnool	2.40	0.096
9	Kadapa	20.00	10.00
10	Pulivendula	10.00	2.50
11	Yemmiganuru	19.80	5.00
12	Ongole	15.00	15.00
13	Nellore	71.00	0.50
14	Eluru	5.00	1.00
	Total	614.75	233.83

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

2 River stretches are identified as Model Rivers. i.e. Under Category - IV River Tungabhadra & under Category – V River Krishna.

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

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

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

Water Quality Status of Polluted River Stretches in Andhra Pradesh - 2024

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, 2024 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.

Parameter	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Standard		
														Class A	Class B	Class C
pH	4367	7.05	8.25	8.20	7.88	8.00	7.43	7.97	7.91	Flood	7.62	8.01		6.0 - 8.5		6.0 – 9.0
	4359	8.27	7.60	7.22	7.55	8.00	7.80	7.61	8.08	7.10	8.00	7.98				
	0014	7.73	7.70	7.95	7.75	8.04	7.53	7.54	7.43	7.69	7.76	7.64				
	1218	7.80	7.52	7.73	7.51	7.21	7.41	7.12	6.91	7.29	7.18	7.64				
	2370	7.67	7.81	8.26	7.31	6.26	7.28	7.69	6.32	7.41	7.49	7.61				
	2371	7.69	7.69	8.02	7.20	6.27	7.20	7.70	6.47	7.43	7.45	6.99				
	1219	7.65	7.75	7.81	7.48	6.27	7.14	7.76	6.66	7.47	7.47	7.09				
	4365	8.20	7.44	7.80	7.64	7.70	7.15	7.70	8.28	7.51	7.34	7.64				
	4366	7.90	7.51	7.71	7.59	7.58	7.15	7.59	8.07	7.52	7.48	7.59				
	4358	7.90	7.46	7.95	7.69	7.56	6.99	7.65	7.46	7.35	7.75	7.52				
DO	4367	6.1	6.6	7.4	7.0	6.2	6.3	6.0	5.4	Flood	6.2	7.2		6.0	5.0	4.0
	4359	7.8	7.5	6.4	6.5	7.1	6.5	6.6	6.5	6.9	6.0	6.6				
	0014	6.9	6.2	6.2	5.8	7.0	6.8	6.5	6.0	7.3	7.2	7.6				
	1218	7.6	7.8	7.5	7.4	7.5	7.7	7.1	6.5	5.0	6.3	7.7				
	2370	7.5	7.8	7.6	7.4	7.5	7.6	7.1	7.5	6.4	7.7	7.7				
	2371	7.0	7.4	7.1	7.1	7.0	7.2	6.8	6.5	6.0	6.9	7.3				
	1219	7.0	6.9	7.2	7.0	7.0	7.1	6.7	7.5	6.5	7.5	7.6				
	4365	6.5	5.0	5.7	7.8	6.8	5.4	6.0	7.2	6.2	6.5	7.5				
	4366	6.4	7.0	4.0	5.8	5.6	6.0	5.9	5.4	4.6	6.7	7.4				
	4358	6.4	6.6	6.2	6.6	6.7	6.8	6.6	7.0	6.7	5.2	7.1				

BOD	4367	2.1	2.3	1.9	2.4	2.4	2.2	2.5	2.1	Flood	2.0	2.2		2.0	3.0	3.0
	4359	1.5	2.4	2.0	2.5	2.8	2.1	2.2	2.4	2.4	2.1	2.3				
	0014	2.2	2.1	2.3	2.2	2.5	2.5	2.3	2.1	2.8	2.4	2.3				
	1218	2.0	2.0	2.0	1.9	1.9	1.8	1.9	2.3	2.2	2.4	2.1				
	2370	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.3	2.2	2.4	2.3				
	2371	2.2	2.2	2.1	2.2	2.0	1.9	2.0	1.8	2.1	2.2	2.2				
	1219	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.8	2.6	2.4	2.1				
	4365	2.0	1.9	2.4	2.6	2.2	2.0	2.1	2.4	2.2	2.1	2.2				
	4366	1.8	2.2	2.7	2.5	2.4	2.2	2.4	2.2	3.0	2.3	2.4				
	4358	2.4	2.2	2.3	2.2	2.1	2.0	2.4	2.3	2.5	2.0	2.0				
Total Coliform	4367	64	75	64	43	64	75	93	120	Flood	120	93		50	500	5000
	4359	93	75	93	64	75	64	93	120	93	93	75				
	0014	43	39	43	39	43	64	75	93	120	75	93				
	1218	93	75	64	43	64	64	75	120	93	93	93				
	2370	95	120	150	75	64	75	93	120	120	93	75				
	2371	150	150	150	120	150	120	120	150	210	150	120				
	1219	93	75	93	75	64	120	150	210	150	150	120				
	4365	150	120	93	75	93	75	93	120	150	120	120				
	4366	240	210	150	120	120	93	120	150	210	150	120				
	4358	75	64	75	64	75	93	120	120	150	150	120				
Fecal Coliform	4367	3	4	3	3	3	4	3	4	Flood	3	4		---	500	---
	4359	3	3	4	3	4	3	4	3	3	4	3				
	0014	4	4	3	3	3	4	4	3	3	3	3				
	1218	3	4	3	3	4	3	4	3	4	4	3				
	2370	4	3	4	4	3	3	4	3	4	4	3				
	2371	7	4	7	11	7	4	7	9	4	7	4				
	1219	4	4	7	9	4	3	4	7	9	4	4				
	4365	4	7	4	4	3	4	4	7	4	4	3				
	4366	7	9	7	11	7	7	7	9	7	7	7				
	4358	3	4	3	3	4	3	3	4	3	3	4				

TDS	4367	144	235	184	344	428	496	176	152	Flood	248	188		500-2000
	4359	135	100	76	52	76	51	64	72	100	100	80		
	0014	150	156	164	144	118	132	124	128	144	220	180		
	1218	180	192	184	228	112	128	116	124	244	340	172		
	2370	182	180	180	224	128	112	224	176	164	228	216		
	2371	176	176	172	244	96	120	140	156	168	220	212		
	1219	157	168	176	192	106	112	168	144	148	200	168		
	4365	9856	16100	18624	19225	21348	17100	1296	152	236	264	3428		
	4366	14684	19820	24576	19336	25248	22336	11212	144	224	252	8744		
	4358	13292	19124	27128	28748	30128	18004	8316	128	144	256	288		
Note: (1) All values are expressed in mg/L except pH & Total Coliform. Total Coliform is expressed in MPN / 100 ml.														

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, 2024 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.

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
														Class A	Class B	Class C
pH	1175	7.7	7.9	8.1	8.0	7.9	7.3	7.1	7.9	7.4	8.1	8.3		6.0 - 8.5		6.0 – 9.0
	3083	7.5	7.8	8	7.5	7.9	7.9	7.7	7.4	7.5	8.0	8.1				
	4381	8.18	8.01	8.09	8.12	7.91	7.86	7.92	7.40	7.74	7.54	7.48				
	1786	8.0	7.82	7.63	7.82	7.93	7.86	7.27	8.02	7.60	7.86	7.92				
	1787	7.20	7.93	7.82	7.06	7.24	7.85	7.21	7.57	8.14	6.91	7.80				
	0025	7.56	7.69	7.51	8.07	7.52	7.60	7.93	7.52	8.03	7.70	7.49				
	4375	7.71	7.46	7.63	7.94	7.16	7.38	7.77	7.28	7.94	7.24	7.35				
	1782	7.84	7.96	7.63	7.82	7.73	7.64	7.39	7.51	7.49	7.28	7.30				
DO	1175	5.8	5.6	5.4	5.3	5.4	5.0	6.0	6.2	6.7	7.6	8.2		6.0	5.0	4.0
	3083	5.9	5.6	6.1	5.8	5.6	5.8	5.6	6.3	6.4	7.6	5.4				
	4381	7.2	7.3	7.1	6.9	6.8	7.1	7.1	7.3	7.6	7.4	7.1				
	1786	7.7	7.4	7.3	7.1	7.4	7.1	7.1	7.2	7.4	7.3	7.1				
	1787	7.6	7.3	6.9	6.7	6.9	7.2	7.3	7.6	7.2	7.4	7.2				
	0025	7.8	7.3	7.1	7.3	7.2	6.9	7.5	7.3	7.5	7.3	6.9				
	4375	7.8	7.2	7.3	7.1	7.3	7.2	7.6	7.6	7.1	7.3	7.2				
	1782	6.4	6.8	6.7	6.5	6.4	6.6	6.4	6.6	6.8	6.6	6.7				
BOD	1175	1.5	2.0	2.2	2.0	2.5	1.5	1.5	1.0	1.1	1.4	1.8		2.0	3.0	3.0
	3083	2.0	1.8	1.7	2.2	2.0	1.2	1.5	0.8	1.2	<1	1.0				
	4381	2.7	2.6	2.8	2.7	2.9	2.7	2.5	2.7	2.8	2.7	2.9				
	1786	2.8	2.4	2.5	2.8	2.9	2.6	2.4	2.6	2.5	2.8	2.7				
	1787	2.5	2.6	2.8	2.6	2.8	2.6	2.5	2.4	2.6	2.8	2.5				
	0025	2.5	2.7	2.6	2.8	2.7	2.8	2.3	2.2	2.4	2.6	2.5				
	4375	2.4	2.7	2.5	2.8	2.7	2.6	2.2	2.5	2.5	2.6	2.8				
	1782	2.5	2.7	2.5	2.9	2.7	2.5	2.6	2.8	2.5	2.7	2.8				

Total Coliform	1175	727	816	770	727	770	830	629	308	257	209	185		50	500	5000
	3083	727	866	816	870	816	866	687	205	303	206	173				
	4381	150	120	93	75	120	150	93	120	150	120	150				
	1786	64	75	120	150	210	150	150	120	150	120	120				
	1787	75	150	120	150	120	150	120	150	120	93	75				
	0025	120	75	64	75	150	120	75	120	150	120	150				
	4375	93	75	93	64	75	93	64	93	120	93	75				
	1782	75	63	75	64	75	93	64	75	120	75	93				
Fecal Coliform	1175	258	284	251	226	245	266	195	109	58	35	51		---	500	---
	3083	220	266	244	281	214	244	206	75	69	45	39				
	4381	28	39	11	14	15	14	4	11	15	14	15				
	1786	14	9	15	21	28	11	15	14	15	14	14				
	1787	11	15	14	15	14	15	14	15	14	9	9				
	0025	11	9	11	14	21	11	9	14	15	14	15				
	4375	20	14	15	9	11	9	9	11	11	11	9				
	1782	11	14	11	9	11	11	9	7	15	14	15				
TDS	1175	563	499	595	545	540	326	575	180	272	347	282		500 - 2000		
	3083	495	482	458	490	465	416	410	229	300	298	320				
	4381	536	504	524	569	593	560	478	443	428	380	438				
	1786	642	612	664	684	716	668	516	416	310	328	390				
	1787	534	564	606	610	604	528	440	390	353	370	490				
	0025	455	503	512	542	520	563	346	330	240	296	450				
	4375	306	403	520	510	502	490	284	290	284	280	370				
	1782	14570	17200	17500	20220	18500	16560	13630	11074	9320	10380	10100				
Note: All values are expressed in mg/L except pH, Total Coliform value & Fecal Coliform. Total Coliform & Fecal Coliform is expressed in MPN / 100 ml.																
Remarks: High TDS values at Hamsaladeevi could be attributed 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, 2024 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 before confluence with domestic sewage & after confluence of Rayalaseema alkalies industries at Gondiparla, Kurnool.
04	4389	D/S of Kurnool town A/C with domestic sewage at Gondiparla, Kurnool.

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
														Class A	Class B	Class C
pH	1785	7.9	Dried	Dried	Dried	Dried	7.7	7.8	7.8	7.9	8.1	8.4		6.0 – 8.5		6.0 – 9.0
	1174	7.9	7.8	8	7.8	8.0	7.8	8.1	7.3	7.9	7.3	8.2				
	4388	7.5	7.4	7.5	7.1	Dried	7.6	7.2	7.9	7.8	7.8	8.3				
	4389	7.5	7.6	7.6	8.0	Dried	7.2	7.6	7.3	7.7	8.4	8.3				
DO	1785	5.8	Dried	Dried	Dried	Dried	5.5	5.9	6.7	7.0	6.8	6.8		6.0	5.0	4.0
	1174	5.7	5.5	5.2	5.3	5.1	5.7	6.3	6.7	6.0	6.9	8.0				
	4388	5.7	5.5	5.1	5.0	Dried	5.6	5.8	6.9	6.6	5.3	7.6				
	4389	5.5	5.3	5.2	5.1	Dried	5.7	5.5	6.7	6.3	5.3	8.2				
BOD	1785	1.5	Dried	Dried	Dried	Dried	1.8	1.8	0.8	1.3	2	2.4		2.0	3.0	3.0
	1174	2.0	2.2	2.5	2.5	2.8	1.8	1.3	0.3	1.3	1.2	2.2				
	4388	2.0	2.2	2.5	2.8	Dried	1.7	1.2	1.0	1.0	<1	2.3				
	4389	1.7	2.0	2.2	2.5	Dried	1.5	1.3	1.0	1.0	2.8	2.0				

Total Coliform	1785	613	Dried	Dried	Dried	Dried	980	641	214	362	293	204		50	500	5000
	1174	665	727	830	921	866	870	550	236	333	273	219				
	4388	689	770	866	980	Dried	921	687	273	408	275	233				
	4389	770	830	921	980	Dried	870	579	302	315	354	228				
Fecal Coliform	1785	201	Dried	Dried	Dried	Dried	303	204	63	97	66	65		---	500	---
	1174	243	278	298	312	289	298	185	72	83	67	52				
	4388	196	211	293	306	Dried	284	194	94	109	83	96				
	4389	230	267	275	293	Dried	265	167	98	86	110	58				
TDS	1785	870	Dried	Dried	Dried	Dried	436	679	125	730	610	550		500 - 2000		
	1174	886	912	850	990	1065	660	565	270	629	580	480				
	4388	735	865	982	1015	Dried	540	773	294	450	418	520				
	4389	867	969	1050	1095	Dried	710	648	141	504	560	440				
Note: All values are expressed in mg/L except pH, Total Coliform & Fecal coliform. Total Coliform & Fecal Coliform is expressed in MPN / 100 ml.																

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, 2024 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.

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
														Class A	Class B	Class C
pH	4351	8.03	7.67	7.75	7.60	8.10	8.05	7.46	7.84	8.22	7.34	7.13		6.0 – 8.5	6.0 – 9.0	
	1448	7.92	7.58	7.74	7.52	7.94	7.88	7.43	7.68	8.09	7.35	7.24				
	4346	7.99	8.31	8.29	7.74	8.43	7.63	8.24	7.04	8.13	8.22	8.29				
	4347	8.04	7.65	8.15	8.14	8.41	7.51	8.23	7.17	7.85	8.32	8.26				
DO	4351	7.0	6.9	6.5	5.3	5.2	6.4	6.8	5.0	6.6	6.5	6.4		6.0	5.0	4.0
	1448	8.2	5.6	7.3	6.2	6.4	6.5	7.0	5.5	7.0	7.0	5.5				
	4346	7.0	7.5	6.8	4.6	6.8	6.6	6.0	6.9	6.7	6.1	7.2				
	4347	6.8	6.5	8.0	6.8	7.2	7.4	7.0	6.7	7.0	7.5	7.0				
BOD	4351	1.3	1.7	2.5	2.0	1.4	2.2	2.2	1.9	2.3	2.2	2.2		2.0	3.0	3.0
	1448	1.4	2.0	2.0	1.4	2.3	2.3	2.4	2.3	2.5	2.1	2.0				
	4346	2.1	1.7	2.1	2.9	2.2	2.1	2.0	2.1	2.2	2.0	2.0				
	4347	1.7	1.9	3.0	2.6	2.4	2.2	2.3	2.3	2.5	2.2	2.2				
Total Coliform	4351	120	150	120	75	93	120	150	210	240	150	120		50	500	5000
	1448	150	120	150	120	93	75	93	120	120	120	75				
	4346	150	120	120	93	93	75	120	150	120	120	93				
	4347	210	150	210	150	120	120	150	210	240	150	120				
Fecal Coliform	4351	4	7	4	3	4	3	4	7	4	4	7		----	500	----
	1448	7	4	7	7	4	4	3	4	3	3	4				
	4346	4	3	4	3	<3	3	4	4	7	3	4				
	4347	9	7	7	4	3	4	7	4	4	4	3				
TDS	4351	172	204	224	248	232	200	204	188	136	172	208		500-2000		
	1448	188	220	256	264	264	216	196	144	124	196	228				
	4346	204	236	264	288	244	272	236	224	228	256	324				
	4347	210	240	288	296	276	240	188	412	196	260	288				
Note: All values are expressed in mg/L except pH, Total Coliform value & Fecal Coliform. Total Coliform & Fecal Coliform is expressed in MPN / 100 ml.																

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, 2024 is as follows:

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

Parameters	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
													Class A	Class B	Class C
pH	7.3	7.5	Dried	Dried	Dried	Dried	Dried	7.7	7.7	8.1	8.1		6.0 – 8.5		6.0 – 9.0
DO	5.7	5.3	Dried	Dried	Dried	Dried	Dried	6.7	6.9	8.7	7.9		6.0	5.0	4.0
BOD	2.3	2.5	Dried	Dried	Dried	Dried	Dried	1.0	1.0	1.5	2.7		2.0	3.0	3.0
Total Coliform	921	980	Dried	Dried	Dried	Dried	Dried	330	303	209	206		50	500	5000
Fecal Coliform	298	344	Dried	Dried	Dried	Dried	Dried	98	97	51	64		---	500	---
TDS	792	902	Dried	Dried	Dried	Dried	Dried	263	310	374	415		500 - 2000		
Note: All values are expressed in mg/L except pH, Total Coliform & Fecal Coliform. Total Coliform & Fecal Coliform is expressed in MPN / 100 ml.															

**CPCB identified three (3 No's) new polluted river stretches in Andhra Pradesh
(based on BOD value during year 2019 & 2021, BOD > 3mg/L)**

S NO	ANDHRA PRADESH STATE	RIVER NAME	NWMP STN CODE	LOCATION	MAX BOD OBSERVED (mg/L)
1	Priority IV (BOD between 6.1 and 10.0 mg/L)	GOSTANI	4372	RIVER GOSTANI SAMPLE BEFORE CONFLUENCE WITH M/S DELTA PAPER MILL EFFLUENTS, VENDRA, PALAKODERU	8.6
2	Priority V (BOD between 3.1 and 6.0 mg/L)	UPPUTERU	4379	RIVER UPPUTERU BEFORE CONFLUENCE WITH SEA, AT CHINAGOLLAPALEM VILLAGE, KRUTHIVENNU (M)	3.4
3	Priority I (BOD more than 30.0 mg/L)	VASISHTA	4365	RIVER VASISHTA (GODAVARI) UPSTREAM OF NARASAPURAM TOWN BEFORE CONFLUENCE OF TOWN SEWAGE	5.9
4			4366	RIVER VASISHTA (GODAVARI) DOWNSTREAM OF NARASAPURAM TOWN AFTER CONFLUENCE OF TOWN SEWAGE	58.0

6. River Gosthani:

Andhra Pradesh Pollution Control Board is monitoring water quality of River Gostani at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2024 is as follows:

S. No.	Code	Location point
1	4372	River Gostani Sample before confluence with M/s Delta Paper Mill Effluents, Vendra, Palakoderu.

Parameters	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
													Class A	Class B	Class C
pH	7.75	7.41	7.57	7.24	7.34	7.33	7.23	7.50	7.36	7.59	7.61		6.0 – 8.5		6.0 – 9.0
DO	2.1	2.3	0.8	Nil	Nil	2.0	2.0	2.0	2.8	5.8	1.7		6.0	5.0	4.0
BOD	4.2	4.0	4.2	4.0	3.8	3.6	3.8	3.6	3.8	2.2	3.8		2.0	3.0	3.0
Total Coliform	460	150	120	93	120	93	120	150	120	120	93		50	500	5000
Fecal Coliform	9	4	3	4	3	4	3	4	3	4	4		---	500	---
TDS	630	845	1156	1688	1756	1924	1200	812	532	544	720		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 / 100 ml.															
Remarks: Deviations observed in Bio-chemical Oxygen Demand parameter against the prescribed water quality criteria requirements.															

7. Upputeru:

Andhra Pradesh Pollution Control Board is monitoring water quality of Upputeru at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2024 is as follows:

S. No.	Code	Location point
1	4379	Upputeru before confluence with Sea at Chinnagollapalem (V), Kruthivennu (M)

Parameters	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
													Class A	Class B	Class C
pH	7.49	7.16	7.34	7.29	7.38	7.62	7.68	7.18	7.53	7.62	7.56		6.0 – 8.5		6.0 – 9.0
DO	6.4	6.2	6.5	6.3	5.9	2.5	5.9	6.2	6.5	6.4	6.2		6.0	5.0	4.0
BOD	2.7	2.5	2.7	2.9	2.7	2.8	2.7	2.9	2.7	2.8	2.6		2.0	3.0	3.0
Total Coliform	64	75	93	75	120	75	120	75	64	120	93		50	500	5000
Fecal Coliform	15	9	9	11	11	9	14	9	7	9	7		---	500	---
TDS	24700	30780	24500	28600	29430	30140	24000	27300	27750	27100	26200		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 / 100 ml.

Remarks: High TDS values at Upputeru before confluence with Sea at Chinnagollapalem (V), Kruthivenu (M) could be attributed to the intrusion of backwaters of Bay of Bengal.

8. River Vasishta:

Andhra Pradesh Pollution Control Board is monitoring water quality of river Vasishta at the following locations. Data pertaining to important parameters like, pH, Dissolved Oxygen, BOD, Total Coliform, Fecal Coliform and TDS for the year, 2024 is as follows:

S. No.	Code	Location point
1	4365	Upstream of Narasapuram town before confluence with sewage, West Godavari Dist.
2	4366	Downstream of Narasapuram town after confluence with town sewage, West Godavari Dist.

Parameters	Code	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	*Standard		
														Class A	Class B	Class C
pH	4365	8.20	7.44	7.80	7.64	7.70	7.15	7.70	8.28	7.51	7.34	7.64		6.0 – 8.5	6.0 – 9.0	
	4366	7.90	7.51	7.71	7.59	7.58	7.15	7.59	8.07	7.52	7.48	7.59				
DO	4365	6.5	5.0	5.7	7.8	6.8	5.4	6.0	7.2	6.2	6.5	7.5		6.0	5.0	4.0
	4366	6.4	7.0	4.0	5.8	5.6	6.0	5.9	5.4	4.6	6.7	7.4				
BOD	4365	2.0	1.9	2.4	2.6	2.2	2.0	2.1	2.4	2.2	2.1	2.2		2.0	3.0	3.0
	4366	1.8	2.2	2.7	2.5	2.4	2.2	2.4	2.2	3.0	2.3	2.4				
Total Coliform	4365	150	120	93	75	93	75	93	120	150	120	120		50	500	5000
	4366	240	210	150	120	120	93	120	150	210	150	120				
Fecal Coliform	4365	4	7	4	4	3	4	4	7	4	4	3		----	500	----
	4366	7	9	7	11	7	7	7	9	7	7	7				
TDS	4365	9856	16100	18624	19225	21348	17100	1296	152	236	264	3428		500-2000		
	4366	14684	19820	24576	19336	25248	22336	11212	144	224	252	8744				

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

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.