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

Letter No.1282446/K/2020 **Dated:06.01.2025.**

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 October, 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: 20.12.2024, 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 October, 2024, Which was received vide reference 2nd cited, for taking further necessary action in the matter.

Yours faithfully,

K. Sankar

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 October 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 (125 Nos)
- 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 : 715.59 MLD
  - Capacity of under construction STP's (33 ULBs) by ENC (PH) : 536.37 MLD (62 STPs)
  - Capacity of Under Construction STPs at APTIDCO Houses (33 ULBs) : 47.85 MLD (55 STPs)
  - Capacity of under s under Construction STPs Under SBM 2.0 (out of 567.00 MLD total sanctioned, 131.37 MLD is under construction) (28 ULBs) : 131.37 MLD (53 STPs/ NSTPs)
- Gap in treatment capacity after completion of above STPs : 525.26 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 Tender Stage) : 136.34 MLD (21 ULBs) (22 STPs)
- STPs sanctioned under AMRUT 2.0 by GoI for Rs. 1829.28 Crs in 26 ULBs to Construct -373.27 MLD Capasity STPs in 26 ULBs in which 35.60 MLD Capasity of Kurnool Grounded and for remainingSTPs DPRs under preparation. : 377.67 MLD (26 ULBs)

III (A) <u>Details Existing STPs in the State:</u>

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		Ramalinges-war Nagar-1	06/2012	20.00	20.00	Operational	Complied
25		Ramalinges-war 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 20MLD 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
			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	Puttaparthi	Prasanthi Gram	07/2001	0.50	0.0	Under Rehabilita-tion	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	Narsarao-peta	CPT Road	02/2018	**15.55**	**9.50**	Operational	Complied
38		Janardhan Reddy Colony	-	5.00	5.00	Operational	Complied
39		Allepuram	-	55.00	55.00	Operational	Complied
40	Nellore	Drivers Colony	-	11.00	0.00	Operational	The work is resumed by the agency for closing gaps in n 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		Jammichettu	03/2019	0.80	0.80	Operational	Complied
42	Kurnool	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**		

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
44	Tadepalli	Mahanadu-1	12/2018	0.20	0.20	Operational	Complied
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	Yemmiga-nuru	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**		

III (B) <u>Details of STPs Under Construction in the State</u>:

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.

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
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 and pump sets erection works are is 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.

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
13	Kavali	AMRUT	1	15.00	96%	March - 2025	Work is stoped by the agency due to non clearence 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.
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

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
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 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	20.00	60%		
			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.

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
			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.
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

S. No.	Location	Scheme Name	No. of STP	Capacity of the plant (in MLD)	Physical Progress in %	Completion Timeline	Status
							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) <u>Details of STPs Under Construction in APTIDCO Housing Colonies:</u>

- Out of 130 STPs 63 STPs are Completed in TIDCO Colonies : 69.20 MLD (63 Nos STPs) (41 ULBs)

  Out of 74 STPs 22 STPs are now operational : 22.55 MLD (22 STPs) (14 ULBs)

- Out of 130 STPs 67 STPs are in Progress in TIDCO Colonies in : 47.85 MLD (67 Nos STPs) (43 ULBs)

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
1	2	3	4	5	6
1	Srikakulam	Patrunivalasa	2.10	Completed	Complted O&M in Progress
2	Vizianagaram	Saripalli	1.50	Completed	Complted O&M in Progress
3	GVMC	Parawada	0.50	Completed	Completed & Trial Run is in Progress
4	Tadepalli Gudem	a. Kondruprolu-I	2.00	Completed	Completed & Trial Run is in Progress
5		b. Kondruprolu-II	0.75	Completed	Completed & Trial Run is in Progress
6	Palakollu	Penukulapadu	3.50	Completed	Completed & Trial Run is in Progress
7	Kavali	Maddurupadu	1.50	Completed	Complted O&M in Progress
8	Atmakur	Nellorepalem	1.00	Completed	Complted O&M in Progress
9	Gudur	Gandhinagar	3.70	Completed	Complted O&M in Progress
10	Peddapuram	Valuthimmapuram	2.00	Completed	Completed & Trial Run is in Progress.
11	Mandapeta	Gollapunta	3.00	Completed	Completed & Trial Run is in Progress.
12	Pithapuram	Gorsa	0.50	Completed	Completed & Trial Run is in Progress
13	Ramachandrapuram	Kothuru (Ph-I)	0.75	Completed	Completed & Trial Run is in Progress

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
14	Rajamahendravaram	Bommuru-I	1.50	Completed	Completed & Trial Run is in Progress
15	Rajamahendravaram	Torredu	0.50	Completed	Completed & Trial Run is in Progress
16	Samalkota	Jaggamvaripeta	0.50	Completed	Completed & Trial Run is in Progress
17	Samalkota	Uppuvarisatram	0.50	Completed	Completed & Trial Run is in Progress
18	Tenali	Chinaravuru	0.60	Completed	Complted O&M in Progress
19	Ponnuru	Nidubrolu	1.25	Completed	Complted O&M in Progress
20	Chilakaluripeta	Purushothapatnam	2.80	Completed	Complted O&M in Progress
21	GVMC	Dabbanda	0.90	Completed	Civil works Completed, Trial run is heldup for want of sewage.
22	GVMC	Aganampudi (Tri Junction)	1.10	Completed	Civil works Completed, Trial run is heldup for went of sewage & Power Supply.
23	Vijayawada	Jakkampudi I (A)	0.90	Completed	Civil works Completed, Trial run is heldup for want of sewage & Power Supply.
24	Vijayawada	Jakkampudi II (B)	0.60	Completed	
25	Vijayawada	Jakkampudi III (C)	0.90	Completed	
26	Vijayawada	Jakkampudi IV (D)	0.90	Completed	
27	Gudivada	Mallayapalem I	1.60	Completed	Complted O&M in Progress
28	Gudivada	Mallayapalem II	2.70	Completed	
29	Machilipatnam	Gosangam II	0.50	Completed	
30	Machilipatnam	Rudravaram II	0.70	Completed	Completed, Trial run is heldup for want of sewage.
31	Mangalagiri	RGK Colony -I	0.80	Completed	Completed O&M in Progress
32	Guntur	Vengalayapalem I & II	1.50	Completed	Completed, Trial run is heldup for want of sewage.

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
33	Repalle	Repalle II	0.60	Completed	Completed, Trial run is heldup for want of housing works not yet takenup.
34	Piduguralla	Kondamodu II	1.30	Completed	Completed, Trial run is heldup for want of housing works not yet Completed.
35	Macherla	Gorrilamandhi-II	0.50	Completed	Completed, Trial run is heldup for went of housing works not yet takenup.
36	Srikalahasthi II	S.W. Hostel -II	0.90	Completed	Completed & Trial run is heldup for want of sewage & Power Supply.
37	Chittoor	Murukumbattu -II	1.30	Completed	Completed & Trial run is heldup for want of sewage.
38	Puttur	Nandimangalam -II	0.20	Completed	Completed & Trial run is heldup for want of sewage and power supply
39	Punganur	Ethuru -II	0.70	Completed	Completed & Trial run is in Progress.
40	Madanapalli	Venkappakota -II	0.90	Completed	Completed & Trial run is in Progress.
41	Srikalahasthi I	Rajiv Nagar -I	1.00	Completed	Completed & Trial run heldup for want of sewage & Power Supply.
42	Naidupeta-II	Biradawada	0.90	Completed	Completed & Trial run heldup for want of sewage & Power Supply
43	Sullurupeta-II	Mannrupoluru	0.80	Completed	
44	Venkatagiri-II	Chevireddypalli	0.80	Completed	O&M in Progress
45	Nellore	Akkacheruvupadu-II	1.60	Completed	

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
46	Nellore	Kallurupalli-II	1.10	Completed	Completed & Trial run heldup for want of sewage & Power Supply
47	Nellore	Kondlapudi II&III	1.20	Completed	
48	Kandukur	Uppucheruvu-I	1.40	Completed	Completed &Trial run is in Progress
49	Vizianagaram	Sonia nagar	0.50	Completed	Completed Trial run is in Progress
50	Saluru	Saluru	0.60	Completed	Completed Trial run is in Progress.
51	Allagadda	Chinthakuntla Village-III	0.60	Completed	Completed &Trial run is in Progress
52	Tadipatri I &II	Gannavaripalli -I&II	2.75	Completed	Civil works Completed Trial run is held up for want of sewage.
53	Adavitakkilapadu (Guntur)	Adavitakkilapadu	2.00	Completed	Completed Trial run is in Progress.
54	Yelamanchili	Yelamanchili	0.20	Completed	Completed & O&M in progress
55	CRDA	Ananthavaram	0.20	Completed	Completed & O&M in progress
56		Dondapadu	0.50		
57		Thulluru	0.20		
58		Mandadam	0.20		
59		Inavolu	0.30		
60		Nowluru	0.30		
61		Penumaka	0.30		
62		Nidamaru	0.30		
63	GVMC	Satayanarayanapuram	1.50	Completed	Completed, &Trial run in progress.
64	Kurnool	Jagannadha gattu	0.50	95% Completed	95% completed,waiting for beneficiary occupancy for fixing of electrical and mechanical works in the plant to avoid thefting.
65	Kurnool	Jagannadha gattu	0.50		
66	Kurnool	Jagannadha gattu	1.00		
67	Kurnool	Jagannadha gattu	1.50		
68	Kurnool	Jagannadha gattu	2.0		

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
69	Nandyal	SRBC Colony	1.00		
70	Nandyal	SRBC Colony	1.00		
71	Nandyal	Nandamurinagar	1.00		
72	Nandyal	Nandamurinagar	1.00		
73	Adoni	Sirigupparoad	1.00		
74	Adoni	Sirigupparoad	1.00		
75	Amalapuram	bodasukurru	1.00	90%	Civil Works 90% Completed Finishing Works are in Progress . Completed by June-2025
76	Kakinada	Kakinada(Paralovapeta)	1.50	75%	Civil Works 75% Completed Remaining Works in Progress.Completed by June-2025.
77	Rajahmundry	Bommuru-II	1.50	70%	Civil Works 70% Completed Remaining Works in Progress. Completed by June-2025.
78	Rajahmundry	Namavaram	0.75	72%	Civil Works 72% Completed Remaining Works in Progress.Completed by June-2025.
79	Ramachandrapuram	KothuruIII	1.00	72%	Civil Works 72% Completed Remaining Works in Progress.Completed by June-2025.
80	Markapur	Pedanagulavaram Road -I	0.50	51%	Civil works 51% Completed and remaining work in progress and Completed by June-2025

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
81	Nellimarla	Nellimarla	0.30	90%	Civil Works 90% Completed Remaining Works in Progress Completed by June-2025.
82	Rajam	Kancharam	0.20	90%	Civil Works 90% Completed Remaining Works in Progress Completed by June-2025.
83	Amadalavalasa	Byrsastrulla-pet	0.30	90%	Civil Works 90% Completed Remaining Works in Progress.Completed by June-2025.
84	Bobbili	Bobbili	0.80	80%	Civil Works 80% Completed Remaining Works in Progress.Completed by June-2025.
85	Parvathipuram	Parvathipuram	0.40	85%	Civil work 85% Work Completed Remaining Works in Progress. Completed by June-2025.
86	Tanuku	Indiramma Colony	0.20	56%	56% Work Completed Remaining Works in Progress and expected to be completed by June-2025
87	Tanuku	BalaBalaji	0.30	38%	38% Work Completed Remaining Works in Progress.and expected to be completed by June-2025
88	Jangareddygudem	Markandeyapuram -II	0.40	46%	46% Work Completed Remaining Works in Progress and expected to be completed by June-2025
89	Nidadavolu	Tirugudem -II	0.50	46%	46% Work Completed Remaining Works in Progress and expected

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
					to be completed by June-2025
90	Kovvuru	Pedathallapunta -II	0.30	46%	46% Work Completed Remaining Works in Progress and expected to be completed by June-2025
91	Eluru	Ponangi road	2.50	52%	52% Work Completed Remaining Works in Progress and expected to be completed by June-2025.
92	Eluru	Kotturu road	0.20	48%	48% Work Completed Remaining Works in Progress and expected to be completed by June-2025
93	Vinukonda	Vellaturu road II	0.70	42%	42% Work Completed Remaining Works in Progress and expected to be completed by June-2025
94	Kanigiri	Chakirala -III	0.50	45%	45% Work Completed Remaining Works in Progress and expected to be completed by June-2025
95	Giddaluru	Modempalli -III	0.60	31%	31% Work Completed Remaining Works in Progress and expected to be completed by June-2025
96	Addanki	Singarakonda -III	0.50	45%	45% Work Completed Remaining Works in Progress and expected to be completed by June-2025
97	Nuziveedu	M.R. Apparao colony II	1.30	45%	45% Work Completed Remaining Works in Progress and expected to be completed by June-2025
98	Tiruvuru	PT Kotturu I	0.40	38%	38 % Work Completed

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
					Remaining Works in Progress and expected to be completed by June-2025
99		PT Kotturu II	0.40	38%	38 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
100	Jaggaiahpeta	Gurukulapathasala II	1.60	52%	52 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
101	Nandigama	Hanumanthupalem II	0.20	38%	38 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
102	Vuyyuru	Gemini School -II	0.90	50%	50 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
103	Vuyyuru	Gandigunta -II	0.30	38%	38 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
104	Vuyyuru	Raghava estates -II	0.10	49%	50 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
105	Kadapa	Chinnachowk -I	1.00	75%	75 % Work Completed Remaining Works in Progress and expected

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
					to be completed by June-2025
106	Kadapa	Chalamareddypalli -II	1.00	75%	75 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
107	Jammalamadugu	Gudemcheruvu -II	1.00	73%	73 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
108	Rayachoti	Sibyala -II	0.50	78%	78 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
109	Yerraguntla	Yerraguntla road -II	1.00	75%	75 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
110	Nandyal	Alyyalurimitta	1.00	75%	75 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
111	Dharmavaram	Regatipalli-II	0.75	-	Civil structrural Works completed, Mediafilling is to be done. Machinery to be fixed and is held upfor security purpose.
112	Hindupur	Kotipi-II	0.70	-	
113	Kadiri	Hindupur road-II	0.60	-	
114	Puttaparthi	Karnataka nagepalli-II	0.25	-	
115	Ananthapur	Pandameru-3	1.25	-	
116	Guntakal	Dhonimukkala-3	1.25	-	
117	Raydurgam	Mallapuram-3	0.60	-	

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
118	Ichapuram	Ichapuram	0.10	44%	44 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
119	Palasa	Palasa	0.40	53%	53 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
120	GVMC	Appikonda	0.40	65%	65 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
121	GVMC	Mulagada	0.20	80%	80 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
122	GVMC	Nadipur	0.50	65%	65 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
123	GVMC	Sangivalasa	0.30	53%	53 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
124	GVMC	Kondakoppaka	0.20	55%	55 % Work Completed Remaining Works in Progress and expected to be completed by June-2025

Sl. No	Name of the ULB	Name of the Location	Capacity in MLD	Physical Progress in %	Completion Timeline
125	GVMC	Sirasapalli	0.30	85%	85 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
126	GVMC	AtchauLova-1	1.00	65%	65 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
127	GVMC	AtchauLova-2	1.00	65%	65 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
128	Narsipatnam	Narsipatnam-1	0.60	70%	70 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
129		Narsipatnam-2	0.30	70%	70 % Work Completed Remaining Works in Progress and expected to be completed by June-2025
	Total		**117.05**		

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 October, 2024 , the BOD level of the said River stretch is 2.2, 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 October 2024, the BOD level reported is 2.8, 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 2.1, 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 2.1 and 2.3 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 Narspuraram Municipality and Land Acquisition is under process.

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

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 126.34 MLD. Cluster-9 to Cluster-13, these works are under tender stage to be placed before Tender Approval Committee.

<u>Cluster-Wise Abstract on STPs Under Construction:</u>

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	
	6	Yellamanchali	NSTP 01	0.40	Grounded
		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**	

Details of Cluster 9 to Cluster 13 Under Tender stage are as follows:

Cluster	S. No.	Name of the ULB	Total No. of Projects (STP+NSTP)	Proposed Capacity (MLD)	Present work status
Cluster 9	1	Amadalavalasa	STP 04	1.000	Tender Cancelled
	2	Ichapuram	STP 01	4.800	
	3	Salur	STP 01	7.500	
	4	Narasipatnam	STP 01	4.800	
		Sub Total	**4 STPs**	**18.10**	
Cluster 10	5	Yeleswaram	STP 01	4.700	Re-tenders to be called
	6	Amalapuram	STP 01	7.400	
	7	Ramachandrapuram	STP 01	6.700	
	8	Jangareddygudem	STP 01	5.00	
		Sub Total	**4 STPs**	**23.80**	
Cluster 11	9	Macherla	STP 01	9.900	Tender Cancelled
	10	Sattenapalli	STP 01	9.470	
	11	Nandigama	STP 02	2.770	
	12	Addanki	STP 01	7.000	
			STP 02	2.400	
		Sub Total	**5 STPs**	**31.54**	
Cluster 12	13	Markapur	STP 01	12.400	Tender Cancelled
	14	Chimakurthy	STP 01	5.900	
	15	Gudur	STP 01	7.400	

Cluster	S. No.	Name of the ULB	Total No. of Projects (STP+NSTP)	Proposed Capacity (MLD)	Present work status
	16	Punganur	STP 02	4.200	
	17	Palamaneru	STP 01	8.700	
	18	Nagari	STP 01	7.000	
		Sub Total	**6 STPs**	**45.60**	
Cluster 13	19	Dhone	STP 01	11.300	Tender Cancelled
	20	Gudur	STP 01	3.800	
	21	Yerraguntla	STP 02	2.200	
		Sub Total	**3 STPs**	**17.300**	
		Total	**22 STPs**	**136.34**	
Grand Total			**75(44-STPs, 31 NSTPs)**	**267.71**	

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: 1492 Nos.
- Quantity of effluent generated from the industries in MLD: 4591.5145*

Effluent Break-Up Details:

- Once through Cooling water: 3826.13 MLD

- Trade effluents: 437.175 MLD
- Cooling tower/Boiler blow down: 277.538 MLD
- Domestic waste water: 50.6715 MLD

* The quantity of effluent generated – 4591.5145 MLD is to be considered as cumulative value upto September month. The value declared in earlier Monthly Progress Report is incorrect due to typographical mistake.

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 5^0C temperature of intake water.

- From the Cooling tower/Boiler blow down (about 6.045%).
- The remaining about 10.625% 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: 374 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 30.11.2024
    - 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	4.55	Textile park- 14 units (Marine outfall)	Complied
2.	Visakha Pharamcity (Formerly) M/s RamkyPharma City (India) Ltd, JN PharmaCity, Parawada Mandal, Visakhapatnam.	9.553	4.571	Pharmaceutical & Bulk drugs – 97 units (Marine outfall)	Complied
3.	Atchuthapuram Effluent Treatment Plant, Atchutapuram Visakhapatnam.	1.5	0.553	Pharmaceutical & Bulk drugs, other units – 60 (Marine outfall)	Complied
4.	Kondapally Envirotech Pvt. Ltd., (KEPL), IDA, Kondapalli(V), Ibrahimpatnam (M), Krishna District.	0.2	0.166	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	0.0267	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	0.000225	Electro Plating – 48 Units (ZLD)	Complied
7.	Nagari Dyeing Owners Association, Chinthalapatteda (V), Nagari (M), Chittoor District.	4	0.0884	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	0.1068	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 stabili-zation
	Total	**36.80**	**10.06213**		

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 Tirupati 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

- 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 12 ULBs i.e., completed in Vijayawada, Tirupati, Ananthapuramu, Ongole, Machilipatnam Municipal Corporations, Dharmavaram, Guntakal, Chilakalurpet Tadepalligudem, Gudivada ,Adoni & Madanapalli Municipalities.
- Work is under progress in remaining 20 ULBs.
- Out of 91 ULBs under the category of below 1 Lakh population, Bio remediation was completed in 11 ULBs i.e., Nuzividu, Yelamanchili, Kovvur, Pulivendula, Badvel, Rayachoti , Mydukur , Mangalagiri – Tadepalli, Kondapalli ,Palacole & YSR Tadigadapa.
- Work is in progress in the remaining 80 ULBs.
- So far, 45.23 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	Jaggaiahpet	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: 15,159 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.

VI. Hazardous Waste Management:

- Total Hazardous Waste generation is about:49,654.27 Tones during the month of September, 2024 and cumulative quantity (April 2023 to October 2024) is approximately 90,35,82.4331 Tones.
- No of industries generating Hazardous Waste: 2854 Nos as per Hazardous Waste inventory, 2022-23.
- **For the month of October, 2024, the Quantity of Hazardous Waste Treated & Disposed is as follows:**

i) Utilizable waste is 34086.47 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 2472.70 TPM (suitable for recycling /recovery of material viz. oil reclamation units, lead and zinc recovery units).

iii) Incinerable waste is 288.08 TPM (not suitable for any recycling / reuse and having high calorific value i.e. > 2500 K cal/kg) and

iv) Land fillable waste is 12807.03 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, Visahkapatnam.
  - ✓ 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:

<table>
<tr><td>Total Plastic Waste Generation</td><td>64339.412 TPA
(As per Annual Report for the F.Y. 2022-23).</td></tr>
<tr><td>Implementation of Plastic Waste Management Rules, 2016 in Urban Local Bodies.</td><td>

154 Nos of Producers and 108 Importers, 65 Brand owners & 57 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 foe 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 continu 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>
<tr><th>Type of Entity</th><th>No.of Registrstions</th><th>No. of Units Fulfiled EPR Target</th></tr>
<tr><td>Producer</td><td>122</td><td>61 (9271.14 Tonnes)</td></tr>
<tr><td>Brand Owners</td><td>42</td><td>23 (15129.39 Tonnes)</td></tr>
<tr><td>Importer</td><td>26</td><td>17 (273.54 Tonnes)</td></tr>
</table>
<table>
<tr><th>Type of Entity</th><th>No.of Registrstions</th><th>No of Units generated EPR credits</th><th>Quantity of EPR Credits Generated (in Tonnes)</th></tr>
<tr><td>Recycler</td><td>47</td><td>07</td><td>5836</td></tr>
<tr><td>Cement Co-Processing</td><td>07</td><td>06</td><td>87113</td></tr>
<tr><td>Waste to Energy</td><td>02</td><td>--</td><td>--</td></tr>
</table>
</td></tr>
</table>

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 Dec-2024
2	Jammalamadugu	15	90% Work Completed Dec-2024
3	Kadiri	25	80% Work Completed Dec-2024
4	Kalyanadurgam	10	March -2025
5	Madakasira	5	March -2025
6	Pulivendula	20	98% Work completed Dec-2024
7	Puttaparthi	10	March -2025
8	Rayadurg	20	March -2025
9	Allagadda	10	March -2025

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
10	Atmakur (K)	15	March -2025
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 Dec-2024
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 Dec-2024
22	Kandukur	20	35% Work completed Jan-2025
23	Kanigiri	15	25% Work completed March-2025
24	Nagari	20	50% Work completed Dec-2024
25	Naidupet	15	March -2025
26	Puttur	15	March -2025
27	Sullurpeta	15	25% Work Completed March -2025
28	Venkatagiri	15	30% Work completed Jan-2025
29	Addanki	10	March -2025
30	Bapatla	25	80% 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

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
35	Ponnur	15	90% Work Completed Jan-2025
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 Jan-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 Jan-2025
58	Jaggaiahpeta	15	45% Work completed Jan-2025
59	Nandigama	15	70% Work completed Jan-2025
60	Jangareddigudem	15	10% Work Completed March-2025

S.No	Name of the ULB	Plant Capacity (in KLD)	Expected Date of Completion
61	Nidadavolu	15	10% Work Completed March-2025
62	Palacole	25	March -2025
63	Pedana	10	March -2025
64	Tadepalli	30	40% Work completed Jan-2025
65	Tanuku	20	10% Work Completed March-2025
66	Vuyyuru	10	March-2025
67	Nuzividu	20	Dec-2024
68	Tiruvuru	10	10% Work Completed March-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	10% 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**	

It is submitted that owing to disputes in lands identified, there is delay in completion of construction of FSTPs in some ULBs. Those issues will be resolved shortly in co-ordination with the District Administration and progress will be submitted in the ensuing Monthly Progress Reports.

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).

Stae 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 Stae 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 Expect 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 shortely

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. Sustanable 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, Tiruvanantapuram 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 10nos 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 abut 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 totallying 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, broachers, 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.

Staement showing the Particulars of Cinservation and awarenss programees don 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	Puttaparthy	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.

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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			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					
	0014	7.73	7.70	7.95	7.75	8.04	7.53	7.54	7.43	7.69	7.76					
	1218	7.80	7.52	7.73	7.51	7.21	7.41	7.12	6.91	7.29	7.18					
	2370	7.67	7.81	8.26	7.31	6.26	7.28	7.69	6.32	7.41	7.49					
	2371	7.69	7.69	8.02	7.20	6.27	7.20	7.70	6.47	7.43	7.45					
	1219	7.65	7.75	7.81	7.48	6.27	7.14	7.76	6.66	7.47	7.47					
	4365	8.20	7.44	7.80	7.64	7.70	7.15	7.70	8.28	7.51	7.34					
	4366	7.90	7.51	7.71	7.59	7.58	7.15	7.59	8.07	7.52	7.48					
	4358	7.90	7.46	7.95	7.69	7.56	6.99	7.65	7.46	7.35	7.75					
DO	4367	6.1	6.6	7.4	7.0	6.2	6.3	6.0	5.4	**Flood**	6.2			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					
	0014	6.9	6.2	6.2	5.8	7.0	6.8	6.5	6.0	7.3	7.2					
	1218	7.6	7.8	7.5	7.4	7.5	7.7	7.1	6.5	5.0	6.3					
	2370	7.5	7.8	7.6	7.4	7.5	7.6	7.1	7.5	6.4	7.7					
	2371	7.0	7.4	7.1	7.1	7.0	7.2	6.8	6.5	6.0	6.9					
	1219	7.0	6.9	7.2	7.0	7.0	7.1	6.7	7.5	6.5	7.5					
	4365	6.5	5.0	5.7	7.8	6.8	5.4	6.0	7.2	6.2	6.5					
	4366	6.4	7.0	4.0	5.8	5.6	6.0	5.9	5.4	4.6	6.7					
	4358	6.4	6.6	6.2	6.6	6.7	6.8	6.6	7.0	6.7	5.2					

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

TDS	4367	144	235	184	344	428	496	176	152	**Flood**	248			500-2000
	4359	135	100	76	52	76	51	64	72	100	100			
	0014	150	156	164	144	118	132	124	128	144	220			
	1218	180	192	184	228	112	128	116	124	244	340			
	2370	182	180	180	224	128	112	224	176	164	228			
	2371	176	176	172	244	96	120	140	156	168	220			
	1219	157	168	176	192	106	112	168	144	148	200			
	4365	9856	16100	18624	19225	21348	17100	1296	152	236	264			
	4366	14684	19820	24576	19336	25248	22336	11212	144	224	252			
	4358	13292	19124	27128	28748	30128	18004	8316	128	144	256			
Note: (1) All values are expressed in mg/L except pH & Total Coliform value. Total Coliform is expressed in MPN count / 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			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					
	4381	8.18	8.01	8.09	8.12	7.91	7.86	7.92	7.40	7.74	7.54					
	1786	8.0	7.82	7.63	7.82	7.93	7.86	7.27	8.02	7.60	7.86					
	1787	7.20	7.93	7.82	7.06	7.24	7.85	7.21	7.57	8.14	6.91					
	0025	7.56	7.69	7.51	8.07	7.52	7.60	7.93	7.52	8.03	7.70					
	4375	7.71	7.46	7.63	7.94	7.16	7.38	7.77	7.28	7.94	7.24					
	1782	7.84	7.96	7.63	7.82	7.73	7.64	7.39	7.51	7.49	7.28					
DO	1175	5.8	5.6	5.4	5.3	5.4	5.0	6.0	6.2	6.7	7.6			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					
	4381	7.2	7.3	7.1	6.9	6.8	7.1	7.1	7.3	7.6	7.4					
	1786	7.7	7.4	7.3	7.1	7.4	7.1	7.1	7.2	7.4	7.3					
	1787	7.6	7.3	6.9	6.7	6.9	7.2	7.3	7.6	7.2	7.4					
	0025	7.8	7.3	7.1	7.3	7.2	6.9	7.5	7.3	7.5	7.3					
	4375	7.8	7.2	7.3	7.1	7.3	7.2	7.6	7.6	7.1	7.3					
	1782	6.4	6.8	6.7	6.5	6.4	6.6	6.4	6.6	6.8	6.6					
BOD	1175	1.5	2.0	2.2	2.0	2.5	1.5	1.5	1.0	1.1	1.4			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					
	4381	2.7	2.6	2.8	2.7	2.9	2.7	2.5	2.7	2.8	2.7					
	1786	2.8	2.4	2.5	2.8	2.9	2.6	2.4	2.6	2.5	2.8					
	1787	2.5	2.6	2.8	2.6	2.8	2.6	2.5	2.4	2.6	2.8					
	0025	2.5	2.7	2.6	2.8	2.7	2.8	2.3	2.2	2.4	2.6					
	4375	2.4	2.7	2.5	2.8	2.7	2.6	2.2	2.5	2.5	2.6					
	1782	2.5	2.7	2.5	2.9	2.7	2.5	2.6	2.8	2.5	2.7					

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

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			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					
	4388	7.5	7.4	7.5	7.1	Dried	7.6	7.2	7.9	7.8	7.8					
	4389	7.5	7.6	7.6	8.0	Dried	7.2	7.6	7.3	7.7	8.4					
DO	1785	5.8	Dried	Dried	Dried	Dried	5.5	5.9	6.7	7.0	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					
	4388	5.7	5.5	5.1	5.0	Dried	5.6	5.8	6.9	6.6	5.3					
	4389	5.5	5.3	5.2	5.1	Dried	5.7	5.5	6.7	6.3	5.3					
BOD	1785	1.5	Dried	Dried	Dried	Dried	1.8	1.8	0.8	1.3	2			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					
	4388	2.0	2.2	2.5	2.8	Dried	1.7	1.2	1.0	1.0	<1					
	4389	1.7	2.0	2.2	2.5	Dried	1.5	1.3	1.0	1.0	2.8					

Total Coliform	1785	613	Dried	Dried	Dried	Dried	980	641	214	362	293			50	500	5000
	1174	665	727	830	921	866	870	550	236	333	273					
	4388	689	770	866	980	Dried	921	687	273	408	275					
	4389	770	830	921	980	Dried	870	579	302	315	354					
Fecal Coliform	1785	201	Dried	Dried	Dried	Dried	303	204	63	97	66			---	500	---
	1174	243	278	298	312	289	298	185	72	83	67					
	4388	196	211	293	306	Dried	284	194	94	109	83					
	4389	230	267	275	293	Dried	265	167	98	86	110					
TDS	1785	870	Dried	Dried	Dried	Dried	436	679	125	730	610			500 - 2000		
	1174	886	912	850	990	1065	660	565	270	629	580					
	4388	735	865	982	1015	Dried	540	773	294	450	418					
	4389	867	969	1050	1095	Dried	710	648	141	504	560					
Note: All values are expressed in mg/L except pH, Total Coliform & Fecal coliform. Total Coliform & Fecal Coliform is expressed in MPN count / 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 Kuneru, 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					
	1448	7.92	7.58	7.74	7.52	7.94	7.88	7.43	7.68	8.09	7.35			6.0 – 8.5		6.0 – 9.0
	4346	7.99	8.31	8.29	7.74	8.43	7.63	8.24	7.04	8.13	8.22					
	4347	8.04	7.65	8.15	8.14	8.41	7.51	8.23	7.17	7.85	8.32					
DO	4351	7.0	6.9	6.5	5.3	5.2	6.4	6.8	5.0	6.6	6.5					
	1448	8.2	5.6	7.3	6.2	6.4	6.5	7.0	5.5	7.0	7.0			6.0	5.0	4.0
	4346	7.0	7.5	6.8	4.6	6.8	6.6	6.0	6.9	6.7	6.1					
	4347	6.8	6.5	8.0	6.8	7.2	7.4	7.0	6.7	7.0	7.5					
BOD	4351	1.3	1.7	2.5	2.0	1.4	2.2	2.2	1.9	2.3	2.2					
	1448	1.4	2.0	2.0	1.4	2.3	2.3	2.4	2.3	2.5	2.1			2.0	3.0	3.0
	4346	2.1	1.7	2.1	2.9	2.2	2.1	2.0	2.1	2.2	2.0					
	4347	1.7	1.9	3.0	2.6	2.4	2.2	2.3	2.3	2.5	2.2					
Total Coliform	4351	120	150	120	75	93	120	150	210	240	150					
	1448	150	120	150	120	93	75	93	120	120	120			50	500	5000
	4346	150	120	120	93	93	75	120	150	120	120					
	4347	210	150	210	150	120	120	150	210	240	150					
Fecal Coliform	4351	4	7	4	3	4	3	4	7	4	4					
	1448	7	4	7	7	4	4	3	4	3	3			----	500	----
	4346	4	3	4	3	<3	3	4	4	7	3					
	4347	9	7	7	4	3	4	7	4	4	4					
TDS	4351	172	204	224	248	232	200	204	188	136	172					
	1448	188	220	256	264	264	216	196	144	124	196			500-2000		
	4346	204	236	264	288	244	272	236	224	228	256					
	4347	210	240	288	296	276	240	188	412	196	260					

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

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			6.0 – 8.5		6.0 – 9.0
DO	5.7	5.3	Dried	Dried	Dried	Dried	Dried	6.7	6.9	8.7			6.0	5.0	4.0
BOD	2.3	2.5	Dried	Dried	Dried	Dried	Dried	1.0	1.0	1.5			2.0	3.0	3.0
Total Coliform	921	980	Dried	Dried	Dried	Dried	Dried	330	303	209			50	500	5000
Fecal Coliform	298	344	Dried	Dried	Dried	Dried	Dried	98	97	51			---	500	---
TDS	792	902	Dried	Dried	Dried	Dried	Dried	263	310	374			500 - 2000		
Note: All values are expressed in mg/L except pH, Total Coliform & Fecal Coliform. Total Coliform & Fecal Coliform is expressed in MPN count / 100 ml.															

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

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 Gostani:

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			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			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			2.0	3.0	3.0
Total Coliform	460	150	120	93	120	93	120	150	120	120			50	500	5000
Fecal Coliform	9	4	3	4	3	4	3	4	3	4			---	500	---
TDS	630	845	1156	1688	1756	1924	1200	812	532	544			500 - 2000		

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

Remarks: Deviations observed in Bio-chemical Oxygen Demand parameter against the prescribed water quality criteria requirements.

7. River Upputeru:

Andhra Pradesh Pollution Control Board is monitoring water quality of river 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	River 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			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			6.0	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			2.0	3.0	3.0
Total Coliform	64	75	93	75	120	75	120	75	64	120			50	500	5000
Fecal Coliform	15	9	9	11	11	9	14	9	7	9			---	500	---
TDS	24700	30780	24500	28600	29430	30140	24000	27300	27750	27100			500 - 2000		
Note: All values are expressed in mg/L except pH, Total Coliform & Fecal Coliform value. Total Coliform & Fecal Coliform is expressed in MPN count / 100 ml.															
Remarks: High TDS values at River Upputeru before confluence with Sea at Chinnagollapalem (V), Kruthivennu (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					
	4366	7.90	7.51	7.71	7.59	7.58	7.15	7.59	8.07	7.52	7.48			6.0 – 8.5		6.0 – 9.0
DO	4365	6.5	5.0	5.7	7.8	6.8	5.4	6.0	7.2	6.2	6.5			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					
BOD	4365	2.0	1.9	2.4	2.6	2.2	2.0	2.1	2.4	2.2	2.1			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					
Total Coliform	4365	150	120	93	75	93	75	93	120	150	120			50	500	5000
	4366	240	210	150	120	120	93	120	150	210	150					
Fecal Coliform	4365	4	7	4	4	3	4	4	7	4	4			----	500	----
	4366	7	9	7	11	7	7	7	9	7	7					
TDS	4365	9856	16100	18624	19225	21348	17100	1296	152	236	264			500-2000		
	4366	14684	19820	24576	19336	25248	22336	11212	144	224	252					

Note: All values are expressed in mg/L except pH, Total Coliform & Fecal Coliform. Total Coliform & Fecal Coliform is expressed in MPN count / 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 $20^{O}C$ 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 $20^{O}C$ 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 $20^{O}C$ 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 $25^{O}C$ 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.