

# **National Inventory of Sewage Treatment Plants**

**March 2021**



**Central Pollution Control Board  
Parivesh Bhawan  
East Arjun Nagar , Delhi**

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## FOREWORD

India is passing through a phase of rapid urbanisation. In some States, urban population has either already overtaken or about to overtake the rural population. Rapid urbanisation on one hand has offered vast opportunities for economic development and on the other hand it has posed several challenges before the urban planners / local governments. One such challenge is of scientific management of the waste.

The creation of infrastructure for waste management such as sewerage network and sewage treatment facilities have not kept pace with the burgeoning population leading to a huge gap in sewage generation and treatment capacity across the States. It is resulting in discharge of partially treated or untreated sewage in to the environment, causing serious damage to the environment including surface and ground water sources.

In past 5 years since the last report on inventorisation of STPs was released in 2015, substantial sewage treatment capacities have been added. However, still a vast gap remains in sewage generation and treatment capacities. Through this Report on "National Inventory of Sewage Treatment Plants in India – 2021", attempts have been made to analyse the quantum of sewage generated, treatment capacity, sewage actually treated and treatment capacity complying to discharge norms in various States / Union Territories.

This Report has been prepared based on the data provided by State Pollution Control Boards (SPCBs) / Pollution Control Committees (PCCs) and Local Bodies (LBs). The focus of the Report is to analyse the time-series trends of generation of sewage and practices being adopted by the States for sewage disposal. The Report evaluates the current practices prevalent in the Country including technological options for sewage management.

There is a need of paradigm shift in the way wastewater (sewage) is handled/managed in the Country. Considering that water is a scarce commodity, it is imperative to manage the already used water (wastewater) in an environment friendly and economically sustainable manner. These twin objectives can be achieved by recycling / reusing the used water. The Report has tried to highlight this by demonstrating a few success stories of recycling/reuse of water – waste to wealth.

I am sure, this Report will serve as a reference book for Regulators, Local Bodies, Policy makers, Academicians and all other stakeholders.

I appreciate the efforts of my colleagues Shri N.K. Gupta, Scientist 'E' and Shri Vishal Gandhi, Scientist 'D' in bringing out this Report. I also acknowledge the valuable inputs and guidance provided by Dr. Prashant Gargava, Member Secretary, CPCB, to the team associated with this project. Timely response from SPCBs and PCCs as well as the efforts of the Regional Directorates of CPCB in coordinating with SPCBs/PCCs/LBs in getting the information is also highly acknowledged.

  
(Shiv Das Meena)

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# Chapter 1

## Introduction

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### 1.1 Background

Sewage, or domestic/municipal wastewater, is a type of wastewater that is produced by a community of people. It is characterized by volume or rate of flow, physical condition, chemical and toxic constituents, and its bacteriological status. Assessment of quantities of sewage generation is necessary to ensure its proper collection, conveyance, treatment, disposal and reuse.

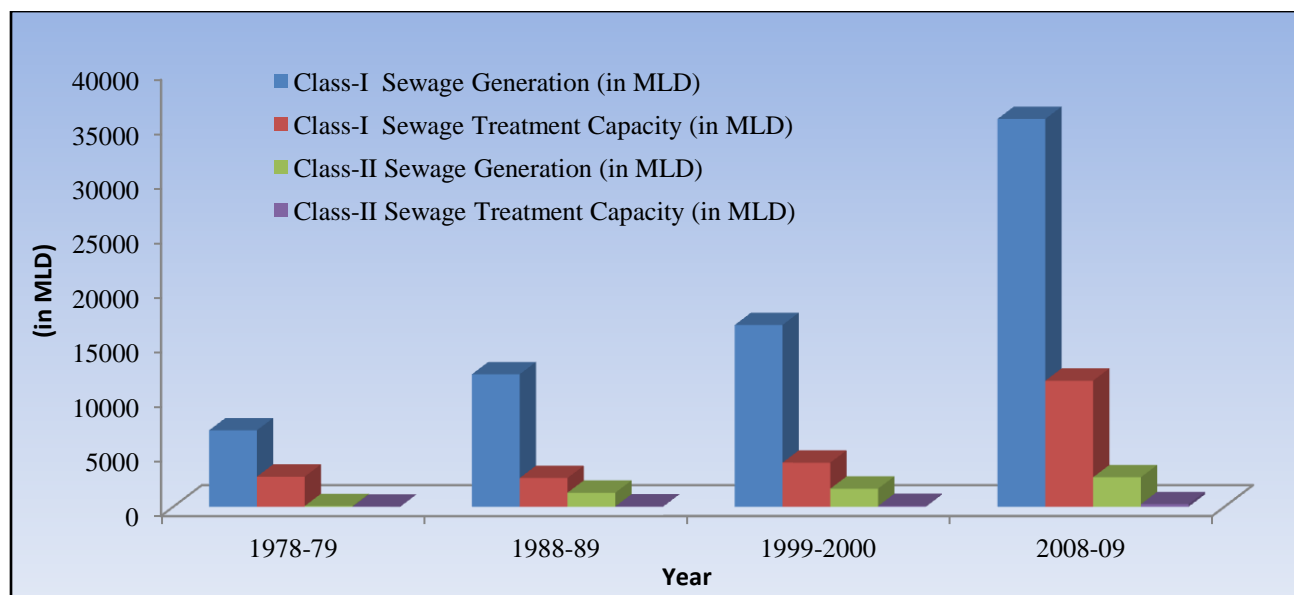
Assessment of quantities of sewage generation and its treatment is being carried out by Central Pollution Control Board (CPCB) from time to time with the help of State Pollution Control Boards / Pollution Control Committees and Local Bodies. Questionnaires were circulated among the concerned stakeholders for collection of information regarding water supply, sewage generation and treatment capacity. Population is the very basic independent and dominant factor governing estimation of volume of sewage, size of sewer network and capacity of sewage treatment. Based on the information received from local bodies, status reports were prepared. First such exercise was undertaken during the year of 1978-79.

During last four decades, estimations of domestic waste water generation are made by CPCB based on the Census Population data pertaining to the years 1971, 1981, 1991 and 2001. Gist of the assessment carried out by CPCB is as follows:

- As per census of 1971, 142 class I cities and 190 class II towns were identified. Accordingly, sewage generation for the year 1978 for class I cities was estimated as 7,006 MLD whereas treatment capacity was 2,755 MLD. In case of class II towns, treatment capacity was only 5 % of the total wastewater generation of 61 MLD.

- In 1988-89, the assessment was carried out based on the census data of year 1981. The sewage generation from 212 class-I cities was estimated as 12,145 MLD whereas treatment capacity was only 2,633 MLD. Similarly, in 241 class II towns, treatment capacity was 21 MLD against sewage generation of 1,279 MLD.
- During the assessment period 1999-2000, the number of class I cities went up to 299 and the sewage generation increased to 16,662 MLD against the treatment capacity of 4,037 MLD. In 345 class II towns, treatment capacity was 61 MLD against the sewage generation of 1,649 MLD.
- In 2008-09, it was estimated by CPCB that out of 38,254 MLD of sewage generated in class I cities and class II towns, only 11,787 MLD was treated. As per Census of 2001 and projection of population to 2008, 498 class-I cities and 410 class-II towns were classified.

Decadal assessment revealed increasing trend in urban population, sewage generation and treatment capacity as depicted in **figure 1.1**. Since 1971, the urban population of India increased 3 times thereby impacting sewage generation which also increased at a rapid pace. However, rate of development of treatment facilities happened to be much slower as compared to sewage generation and urban growth. The sewage generation increased from 7,067 MLD in 1978 -79 to 62,000 MLD in 2014-15 whereas treatment capacity augmented from 2,758 MLD to 23,277 MLD only.



**Figure 1.1: Decadal trend of sewage generation and treatment capacity in Class-I cities and Class-II towns.**

## 1.2 Impacts of Urbanization

The growth of cities into metropolitan cities exerts pressure on water resources in two ways. The increasing need for water to meet the domestic requirements and impact of resultant wastewater discharge on the receiving waters have cumulative effect in deteriorating quality of receiving water.

Water Supply and Sanitation are the basic necessities of urban centers and various schemes are devised by Government of India to provide these basic amenities. Over the last few decades, rapid urbanization essentially lead to rise in water demand and adequate sanitation as illustrated in **Figure 1.2** and summarized in **Table 1.0**.

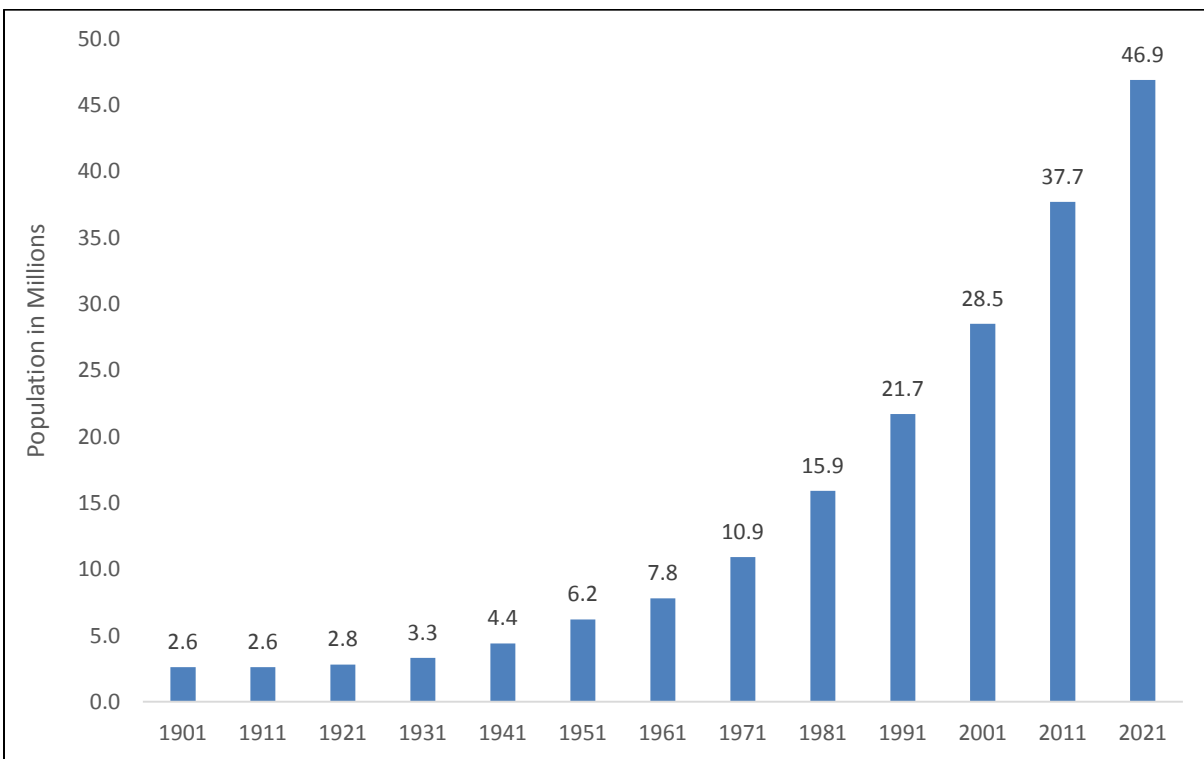


Figure 1.2: Bar diagram shows growth of urban population 1901-2021(E )

**Table 1.0: Decadal Urban Population Growth Since 1901**

Year	Total	Rural	Urban	Urban, as % of total	Decadal % increase in urban population
1901	23,83,96,327	21,25,44,454	2,58,51,873	10.84	-
1911	25,20,93,390	22,61,51,757	2,59,41,633	10.29	0.35
1921	25,13,21,213	22,32,35,043	2,80,86,170	11.18	8.3
1931	27,89,77,238	24,55,21,249	3,34,55,989	11.99	19.1
1941	31,86,60,580	27,45,07,283	4,41,53,297	13.86	32.0
1951	36,10,88,090	29,86,44,381	6,24,43,709	17.29	41.4
1961	43,92,34,771	36,02,98,168	7,89,36,603	17.97	26.4
1971	54,81,59,652	43,90,45,675	10,91,13,977	19.91	38.2
1981	68,33,29,097	52,38,66,550	15,94,62,547	23.34	46.1
1991	84,63,02,688	62,86,91,676	21,76,11,012	25.71	36.5
2001	1,02,70,15,247	74,16,60,293	28,53,54,954	27.78	31.1
2011	1,21,01,93,422	83,30,87,662	37,71,05,760	31.16	32.2
2021	1,31,63,43,000	84,64,16,000	46,99,27,000	35.69	24.6

*Source : Population Census Website ( censusindia.gov.in )*

In order to meet the water demand, water is tapped for domestic and industrial uses from rivers, streams, wells and lakes and groundwater resources are also explored. Approximately 80% of the water supplied for domestic uses, comes out as wastewater. In different regions of urban centers, wastewater is let out untreated due to the lack/unavailability of sewerage network and discharged into the natural drainage system causing pollution in downstream areas.

As on date, emphasis are made on creating facilities for collection, conveyance and treatment of domestic wastewater. There is also need to think domestic wastewater as a resource which can be utilized after treatment for meeting the non-potable requirements. It will help in conserving raw water resources like groundwater and surface water.



As per Census 2011, population of urban agglomeration increased from 28 crores in 2001 to 37 crores in 2011. During 2014, Central Pollution Control Board (CPCB) carried out inventorization of Sewage Treatment Plants (STPs) of the country and as per information received from State Pollution Control Boards and Pollution Control Committees, 816 STPs were installed in different States/UTs in the country and sewage treatment capacity developed during that period was only 23,277 MLD.

Nowadays, STPs are designed on conventional technologies which can treat the wastewater to meet the non-potable requirement. Sequential Batch Reactor (SBR) and Activated Sludge Process (ASP) are the prevalent and adopted technologies all across the country. Oxidation Ponds are used for treatment of sewage in the areas especially where adequate lands are available for their installation.

### **1.3 Present Study**

A need was felt to upgrade the statistics on sewage generation and its treatment to chalk-out future strategies. In view of this, CPCB attempted to assess latest status on domestic wastewater generation by urban population of India and available treatment capacity. Findings and Wayforward are presented in subsequent sections. It is hoped that this document shall be helpful for the Policy makers, Regulators, Academicians and all other concerned.

## Chapter 2

# Important Definitions

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Definitions of important terms / parameters used in this report are as follows:

a) **Biochemical Oxygen Demand (BOD)**

Biochemical Oxygen Demand (BOD) - A measurement of the amount of oxygen utilized by the decomposition of organic material, over a specified period of time period (usually 5 days at 20<sup>0</sup> C or 3 days at 27<sup>0</sup> C) in a wastewater sample; it is used as a measurement of the readily decomposable organic content of a wastewater.

b) **Chemical Oxygen Demand (COD)**

Chemical Oxygen Demand (COD) - A measure of the oxygen-consuming capacity of inorganic and organic matter present in wastewater. COD is expressed as the amount of oxygen consumed in mg/l. Results do not necessarily correlate to the biochemical oxygen demand (BOD) because the chemical oxidant may react with substances that bacteria do not stabilize.

c) **Water Pollution**

Water pollution is defined as, 'Any direct or indirect alteration of the physical, thermal, chemical, biological, radioactive properties of any part of the environment by, discharge, emission or deposit of wastes so as to affect any beneficial use adversely or to cause a condition, which is hazardous to public health, safety or welfare of animals, birds, wildlife, aquatic life or to plants of every description' (Environment Act of 1980).

d) "*prescribed*" means prescribed by rules made under the Act by the Central Government or, as the case may be, the State Government;

Or

It means prescribed by the Act in which the word occurs or by any regulations made thereunder, and, in relation to any regulations, where no other authority is empowered in that behalf in the Act.

- e) "*sewage effluent*" means effluent from any sewerage system or sewage disposal works and includes sullage from open drains.

**Or**

It is 99% water carrying domestic wastes originating in kitchen, bathing, laundry, urine and night soil.

- f) "*sewer*" are pipe or conduits meant for carrying sewage and are laid along the roads and flow by gravity.

**Or**

A pipe or conduit (sewer) intended to carry wastewater or water-borne wastes from homes, business, and industries to the Publicly Owned Treatment Works.

- g) "*Operational Capacity*" means capacity of STPs operating at rated Capacity.

- h) "*Non-operational Capacity*" means capacity of STPs which are not operating

- i) "*Under Construction Capacity*" means capacity of STPs which are under construction stage

- j) "*Proposed Capacity*" means capacity of STPs which are under the stage of proposal

- k) "*Installed Capacity*" means sum of Operational Capacity, Non - Operational Capacity and Under Construction Capacity

- l) "*Total Treatment Capacity*" means sum of Installed Capacity and Proposed Capacity

## Chapter 3

# National Inventory of Sewage Treatment Plants

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### 3.1 OBJECTIVE

Previous assessment of inventory of Sewage Treatment Plants in India was carried out by Central Pollution Control Board (CPCB) during 2014-15 in association with State Pollution Control Boards and Pollution Control Committees. Based on the information provided by SPCBs /PCCs, it was assessed that there were 816 STPs with total capacity of 23,277 MLD in 28 States/UTs of India. Out of these 816 STPs, 522 STPs were operational, 79 STPs were non-operational, 145 STPs were under construction and 70 STPs had been proposed for construction.

There was/is need to update these information as the country is urbanizing at a rapid pace and it is imperative to assess availability of sewage treatment facility. In view of this, an attempt is made by CPCB to assess latest status on domestic wastewater generation by urban population of India and take stock of available treatment capacity.

### 3.2 METHODOLOGY

A format was designed by CPCB for collection of data on STPs and the same was circulated to all State Pollution Control Boards and Pollution Control Committees. The format is attached at *Annexure-I*. CPCB has collected the requisite information in the prescribed format through SPCBs / PCCs. The information so collected were shared with the Urban Development / Municipal Administration / Local Self Government Department of the States / Union territories for their comments / confirmation. No comments have been received by the scheduled date / time and accordingly, it is decided to finalize the inventory.

Earlier, CPCB had estimated sewage generation to the tune of 62000 MLD for the year 2014. Estimation was made considering rate of population growth for the year 2001 to 2011 and Water supply @185 lpcd. The average figure of Water Supply for 185 lpcd

was considered based on CPCB's report on Class I Cities and Class II towns for the year 2008. Water supply per lpcd was provided by concerned ULBs and accordingly average 185 lpcd considered with respect to Sewage Generation estimated for the year 2008 and urban population of 2008.

Accordingly, CPCB has assessed present sewage generation based on urban population of India and projecting the population for the year 2020 considering rate of growth for the year 2001 to 2011 and Water supply @185lpcd. Rate of sewage generation is taken as 80 % of the water supply.

### 3.3 OBSERVATIONS

CPCB has received the data from SPCBs and PCCs on the inventorization of Sewage Treatment Plants (STPs) located in India in the year 2020-21. Brief observations are as follows:

- i. There are 1,631 STPs (including proposed STPs) with a total capacity of 36,668MLD covering 35 States/UTs. Out of 1,631 STPs, 1,093 STPs are operational, 102 are Non-perational, 274 are under construction and 162 STPs are proposed for construction.
- ii. Out of 1,093 operational STPs, compliance status of 900 STPs is available and only 578 STPs having a combined capacity of 12,200 MLD are found complying with the consented norms prescribed by the SPCBs / PCCs.
- iii. Sewage generation from urban centers estimated as 72,368 MLD.
- iv. State-wise sewage generation and treatment capacity are presented in **Table 3.1**, **3.2** and **Figure 3.1**.

**Table 3.1: State-wise Sewage Generation and Treatment Capacity of Urban Centers-India**

States / UTs	Sewage Generation (in MLD)	Installed Capacity (in MLD)	Proposed Capacity (in MLD)	Total Treatment Capacity (in MLD) including planned / proposed	Operational Treatment Capacity (in MLD)
Andaman & Nicobar Islands	23	0	0	0	0
Andhra Pradesh	2882	833	20	853	443
Arunachal Pradesh	62	0	0	0	0
Assam	809	0	0	0	0
Bihar	2276	10	621	631	0
Chandigarh	188	293	0	293	271
Chhattisgarh	1203	73	0	73	73
Dadra & Nagar Haveli	67	24	0	24	24
Goa	176	66	38	104	44
Gujarat	5013	3378	0	3378	3358
Haryana	1816	1880	0	1880	1880
Himachal Pradesh	116	136	19	155	99
Jammu & Kashmir	665	218	4	222	93
Jharkhand	1510	22	617	639	22
Karnataka	4458	2712	0	2712	1922
Kerala	4256	120	0	120	114
Lakshadweep	13	0	0	0	0
Madhya Pradesh	3646	1839	85	1924	684
Maharashtra	9107	6890	2929	9819	6366
Manipur	168	0	0	0	0
Meghalaya	112	0	0	0	0
Mizoram	103	10	0	10	0
Nagaland	135	0	0	0	0
NCT of Delhi	3330	2896	0	2896	2715
Orissa	1282	378	0	378	55
Pondicherry	161	56	3	59	56
Punjab	1889	1781	0	1781	1601
Rajasthan	3185	1086	109	1195	783
Sikkim	52	20	10	30	18
Tamil Nadu	6421	1492	0	1492	1492
Telangana	2660	901	0	901	842
Tripura	237	8	0	8	8
Uttar Pradesh	8263	3374	0	3374	3224
Uttarakhand	627	448	67	515	345
West Bengal	5457	897	305	1202	337
<b>Total</b>	<b>72368</b>	<b>31841</b>	<b>4827</b>	<b>36668</b>	<b>26869</b>
<b>Note:</b>					
i) Sewage Generation is estimated based on Water supply @ 185lpcd and rate of sewage generation as 80 %.					
ii) Sewage generation for NCT of Delhi is estimated based on their 80 % of water supply of 925 MGD					

**Table 3.2: State-wise Sewage Generation, Installed Treatment Capacity and Actual Treatment (As on 30.06.2020)**

S.No.	State	Total sewage generation (MLD)	Installed capacity		Actual quantity treated / capacity utilised		
			(MLD)	As % age of sewage generated	(MLD)	As % of total sewage generated	As %age of installed capacity
1.	A & N Islands	23	0	0	0	0	0
2.	Andhra Pradesh	2882	833	29	309	11	37
3.	Arunachal Pradesh	62	0	0	0	0	0
4.	Assam	809	0	0	0	0	0
5.	Bihar	2276	10	0	0	0	0
6.	Chandigarh	188	293	156	235	125	80
7.	Chhattisgarh	1203	73	6	6	0	8
8.	Daman Diu	67	24	36	7	10	29
9.	Goa	176	66	38	25	14	38
10.	Gujarat	5013	3378	67	2687	54	80
11.	Haryana	1816	1880	104	1284	71	68
12.	Himachal Pradesh	116	136	117	51	44	38
13.	Jammu & Kashmir	665	218	33	49	7	22
14.	Jharkhand	1510	22	1	15	1	68
15.	Karnataka	4458	2712	61	1786	40	66
16.	Kerala	4256	120	3	47	1	39
17.	Lakshadweep	13	0	0	0	0	0
18.	Madhya Pradesh	3646	1839	50	536	15	29
19.	Maharashtra	9107	6890	76	4242	47	62
20.	Manipur	168	0	0	0	0	0
21.	Meghalaya	112	0	0	0	0	0
22.	Mizoram	103	10	10	0	0	0
23.	Nagaland	135	0	0	0	0	0
24.	NCT Delhi	3330	2896	87	2412	72	83
25.	Odisha	1282	378	29	50	4	13
26.	Puducherry	161	56	35	30	19	54
27.	Punjab	1889	1781	94	1360	72	76
28.	Rajasthan	3185	1086	34	478	15	44
29.	Sikkim	52	20	38	14	27	70
30.	Tamil Nadu	6421	1492	23	995	15	67
31.	Telangana	2660	901	34	706	27	78
32.	Tripura	237	8	3	1.5	1	19
33.	Uttar Pradesh	8263	3374	41	2510	30	74
34.	Uttarakhand	627	448	71	187	30	42
35.	West Bengal	5457	897	16	213	4	24
Total		72368	31841	44	20236	28	64

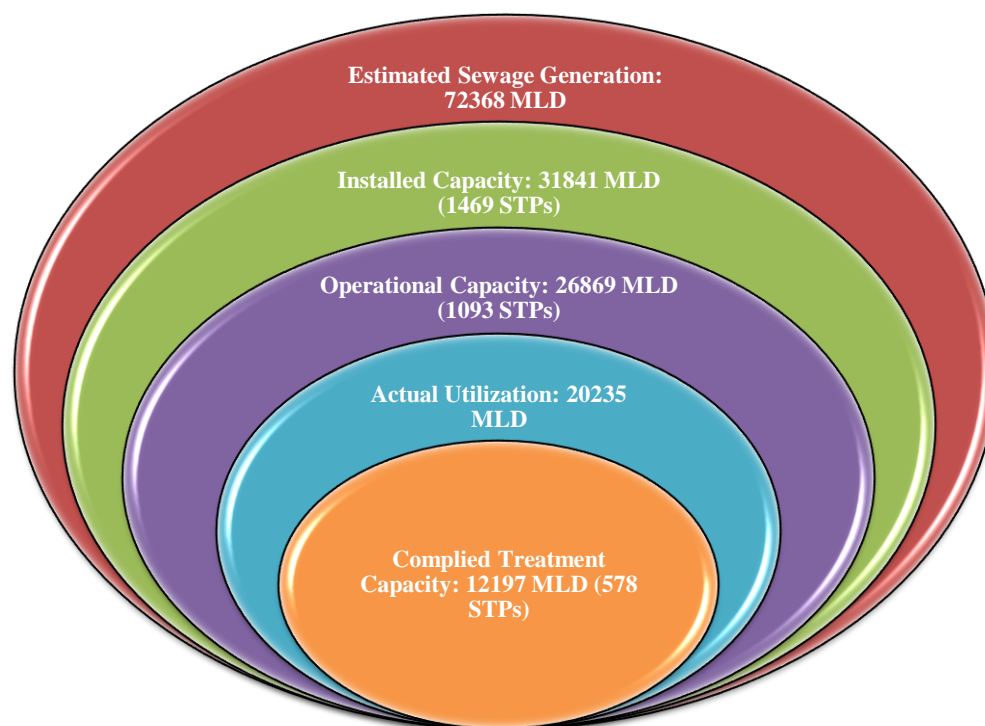


Figure 3.1: Venn diagram depicting Sewage generation, Installed treatment capacity, Operational Capacity, Actual Utilization and Complied Treatment Capacity

- v. Comparison with previous inventory of STPs (2014) is made and it is observed that sewage treatment capacity has enhanced by 50 %. Comparative statistics pertaining to the years 2014 and 2020 are presented in Table 3.3 and graphically also in Figure-3.2.

**Table 3.3: Comparative Statistics on the Inventory for the years 2014 and 2020**

Sl. No.	STP Status	2014		2020	
		Nos. Of STPs	Capacity (MLD)	Nos. Of STPs	Capacity (MLD)
1.	Operational	522	18883	1093	26869
2.	Actual Utilization	-	-	1093	20235
3.	Compliance	-	-	578	12197
4.	Non-operational	79	1237	102	1406
5.	Under Construction	145	2528	274	3566
<b>Total (Sl. No. 1+4+5)</b>		<b>746</b>	<b>22648</b>	<b>1469</b>	<b>31841</b>
6.	Proposed	70	628	162	4827



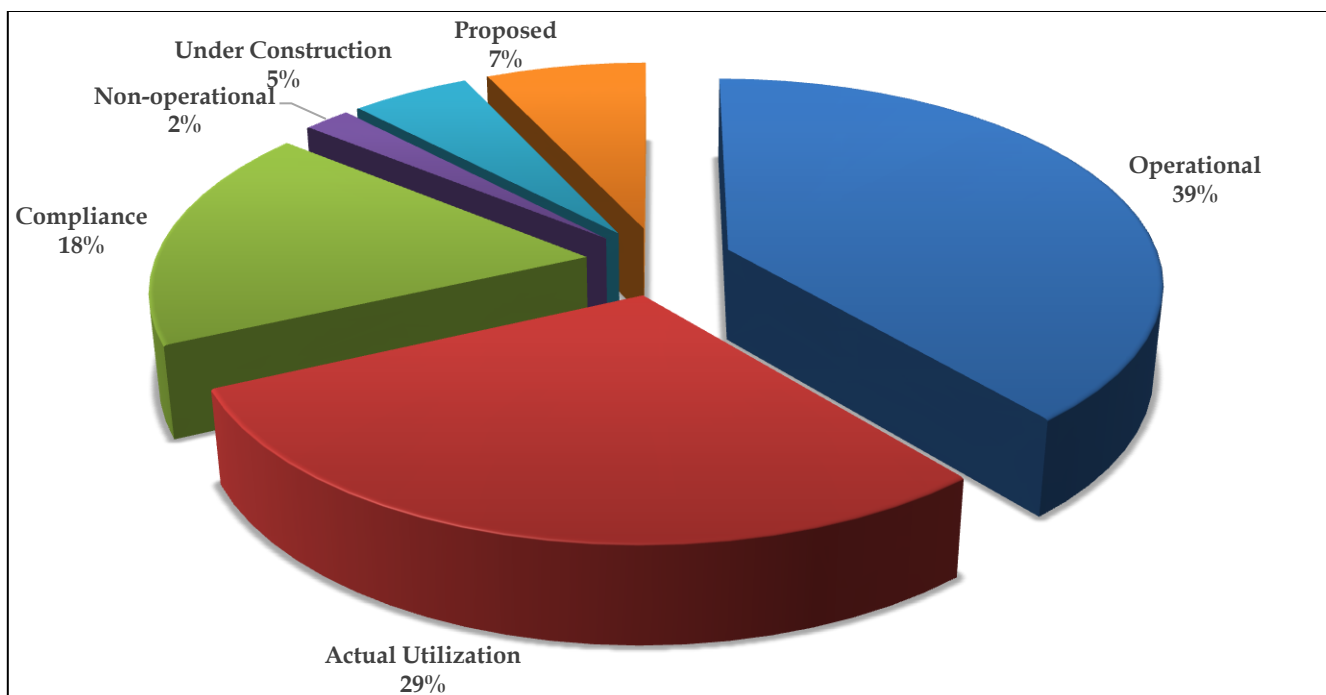


Figure 3.2 :Status-wise Capacity of STPs

- vi. Information on State-wise installed capacity is arranged in decreasing order and presented in following Table 3.4

**Table 3.4: State-wise Installed Treatment Capacity and STPs**

State-wise Installed capacity In Descending Order		
State	Installed Capacity (In MLD)	Number of STPs Installed
Maharashtra	6890	154
Gujarat	3378	70
Uttar Pradesh	3374	107
NCT Delhi	2896	38
Karnataka	2712	140
Haryana	1880	153
Madhya Pradesh	1839	126
Punjab	1781	119
Tamil Nadu	1492	63
Rajasthan	1086	114
Telangana	901	37
West Bengal	897	50
Andhra Pradesh	833	66
Uttarakhand	448.18	71
Odisha	378	14
Chandigarh	293	7

<b>State-wise Installed capacity In Descending Order</b>		
<b>State</b>	<b>Installed Capacity (In MLD)</b>	<b>Number of STPs Installed</b>
<b>Jammu &amp; Kashmir</b>	218	24
<b>Himachal Pradesh</b>	136	78
<b>Kerala</b>	120	7
<b>Chhattisgarh</b>	73	3
<b>Goa</b>	66	11
<b>Puducherry</b>	56	3
<b>Daman, Diu &amp; Dadra Nagar Haveli</b>	24	3
<b>Jharkhand</b>	22	2
<b>Sikkim</b>	20	6
<b>Bihar</b>	10	1
<b>Mizoram</b>	10	1
<b>Tripura</b>	8	1
<b>Total</b>	<b>31841</b>	<b>1469</b>

- vii. Table 3.5 show status of Compliance with respect to consented norms of SPCBs / PCCs.

**Table 3.5: Status of Compliance with respect to consented norms of SPCBs / PCCs**

<b>State-wise Compliance capacity (in MLD) ( In Decreasing Order)</b>		
<b>States</b>	<b>Compliance Capacity</b>	<b>No. of STPs</b>
Maharashtra	3598	105
Uttar Pradesh	2114	65
Haryana	1746	144
Tamil Nadu	1368	51
Karnataka	1168	31
Telangana	637	23
Punjab	441	46
Uttarakhand	345	51
Rajasthan	224	16
Andhra Pradesh	154	13
West Bengal	126	8
NCT of Delhi	90	1
Jammu & Kashmir	88	9
Goa	44	9
Dadra & Nagar Haveli	24	3
Jharkhand	22	2
Tripura	8	1
<i>Note:</i>		

State-wise Compliance capacity (in MLD) ( In Decreasing Order)		
States	Compliance Capacity	No. of STPs
i. 08 States / UTs (Gujarat, Himachal Pradesh, Kerala, Pondicherry, Sikkim, Chandigarh, Chhattisgarh, Madhya Pradesh) has not provided the status of compliance.		
ii. Andaman & Nicobar Islands, Arunachal Pradesh, Assam, Lakshadweep, Manipur do not have any treatment capacity		

viii. Break-up of State-wise STPs details are summarized in Table 3.6. Figure 4 depicts Treatment capacity distribution in percentage among State.

**Table 3.6: Status-wise Break-Up of STPs Located in Different States/UTs**

Sl. No.	State	Number/ Capacity In MLD	Installed	Proposed	Total Capacity	Operational	Non Operational	Under Construction	Actual Utilization	Compliance
1	Andhra Pradesh	Δ	66	1	67	37	5	24	37	13
		◆	833	20	853	443	13	377	309	154
2	Bihar	Δ	1	24	25	0	0	1	0	0
		◆	10	621	631	0	0	10	0	0
3	Chandigarh	Δ	7	0	7	6	1	0	6	0
		◆	293	0	293	271	22	0	235	0
4	Chhattisgarh	Δ	3	0	3	3	0	0	3	0
		◆	73	0	73	73	0	0	6	0
5	Daman, Diu & Dadra Nagar Haveli	Δ	3	0	3	3	0	0	3	3
		◆	24	0	24	24	0	0	7	24
6	Goa	Δ	11	3	14	9	0	2	9	9
		◆	66	38	104	44	0	22	25	44
7	Gujarat	Δ	70	0	70	69	1	0	69	
		◆	3378	0	3378	3358	20	0	2687	NA
8	Haryana	Δ	153	0	153	153	0	0	153	144
		◆	1880	0	1880	1880	0	0	1284	1746
9	Himachal Pradesh	Δ	78	8	86	59	0	19	59	NA
		◆	136	19	155	99	0	37	51	NA
10	Jammu & Kashmir	Δ	24	2	26	12	6	6	12	9
		◆	218	4	222	93	24	101	49	88
11	Jharkhand	Δ	2	10	12	2	0	0	2	2
		◆	22	617	639	22	0	0	15	22
12	Karnataka	Δ	140	0	140	97	32	11	97	31
		◆	2712	0	2712	1922	323	467	1786	1168
13	Kerala	Δ	7	0	7	3	4	0	3	NA
		◆	120	0	120	114	6	0	47	NA

Sl. No.	State	Number / Capacity In MLD	Installed	Proposed	Total Capacity	Operational	Non Operational	Under Construction	Actual Utilization	Compliance
14	Madhya Pradesh	Δ	126	16	142	45	3	78	45	NA
		◆	1839	85	1924	684	22	1133	536	NA
15	Maharashtra	Δ	154	41	195	130	7	17	130	105
		◆	6890	2929	9819	6366	243	281	4242	3598
16	Mizoram	Δ	1	0	1	0	1	0	0	NA
		◆	10	0	10	0	10	0	0	NA
17	NCT Delhi	Δ	38	0	38	35	3	0	35	1
		◆	2896	0	2896	2715	181	0	2412	90
18	Odisha	Δ	14	0	14	4	0	10	4	0
		◆	378	0	378	55	0	323	50	0
19	Puducherry	Δ	3	1	4	3	0	0	3	NA
		◆	56	3	59	56	0	0	30	NA
20	Punjab	Δ	119	0	119	95	1	23	95	46
		◆	1781	0	1781	1601	3	177	1360	441
21	Rajasthan	Δ	114	26	140	57	10	47	57	16
		◆	1086	109	1195	783	41	262	478	224
22	Sikkim	Δ	6	5	11	5	0	1	5	
		◆	20	10	30	18	0	2	14	NA
23	Tamil Nadu	Δ	63	0	63	63	0	0	63	51
		◆	1492	0	1492	1492	0	0	995	1368
24	Telangana	Δ	37	0	37	27	5	5	27	23
		◆	901	0	901	842	24	35	706	637
25	Tripura	Δ	1	0	1	1	0	0	1	1
		◆	8	0	8	8	0	0	1.5	8
26	Uttar Pradesh	Δ	107	0	107	99	8	0	99	65
		◆	3374	0	3374	3224	150	0	2510	2114
27	Uttarakhand	Δ	71	10	81	52	2	17	52	51
		◆	448.18	67	515.18	345	0.18	103	187	345
28	West Bengal	Δ	50	15	65	24	13	13	24	8
		◆	897	305	1202	337	324	236	213	126
<b>Total</b>		Δ	<b>1469</b>	<b>162</b>	<b>1631</b>	<b>1093</b>	<b>102</b>	<b>274</b>	<b>1093</b>	<b>578</b>
		◆	<b>31841</b>	<b>4827</b>	<b>36668</b>	<b>26869</b>	<b>1406</b>	<b>3566</b>	<b>20235</b>	<b>12197</b>

**Note:**

Δ = Number of STPs, ◆ = Capacity (In MLD)

- States /UTs having no STP are namely Andaman Nicobar & Islands, Arunachal Pradesh, Assam, Lakshadweep, Manipur, Meghalaya and Nagaland.
- Installed Capacity is sum of Operational Capacity, Non - Operational Capacity and Under Construction Capacity
- Total Treatment Capacity is sum of Installed Capacity and Proposed Capacity.

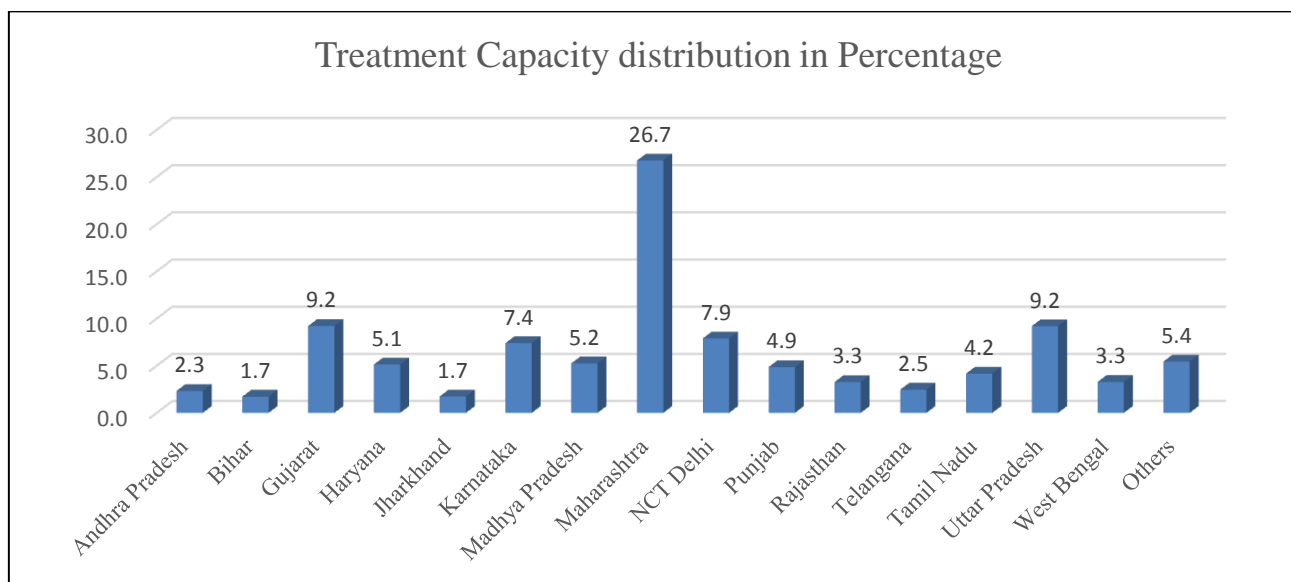


Figure 3.3 : Sewage Treatment Capacity Distribution in Percentage

- ix. Various technologies are employed for treatment of domestic wastewater. It is observed that Sequential Batch Reactor (SBR) and Activated Sludge Process (ASP) are the most prevailing technology adopted by ULBs. Technological distribution with respect to number and capacity of STPs are shown in Table 3.7 and Figure 3.4. State-wise Technological distribution of STPs (On installed Capacity) is placed in Table 3.8 and State-wise Technological distribution of STPs (on operational Capacity) is placed in Table 3.9.

Table 3.7: Technological distribution with respect to number and capacity of STPs

Sl.No.	Technology	Capacity in MLD	Number of STPs
1.	ASP	9486	321
2.	EA	474	30
3.	SBR	10638	490
4.	MBBR	2032	201
5.	FAB	242	21
6.	UASB	3562	76
7.	WSP	789	67
8.	OP	460	61
9.	Any Other	8497	364

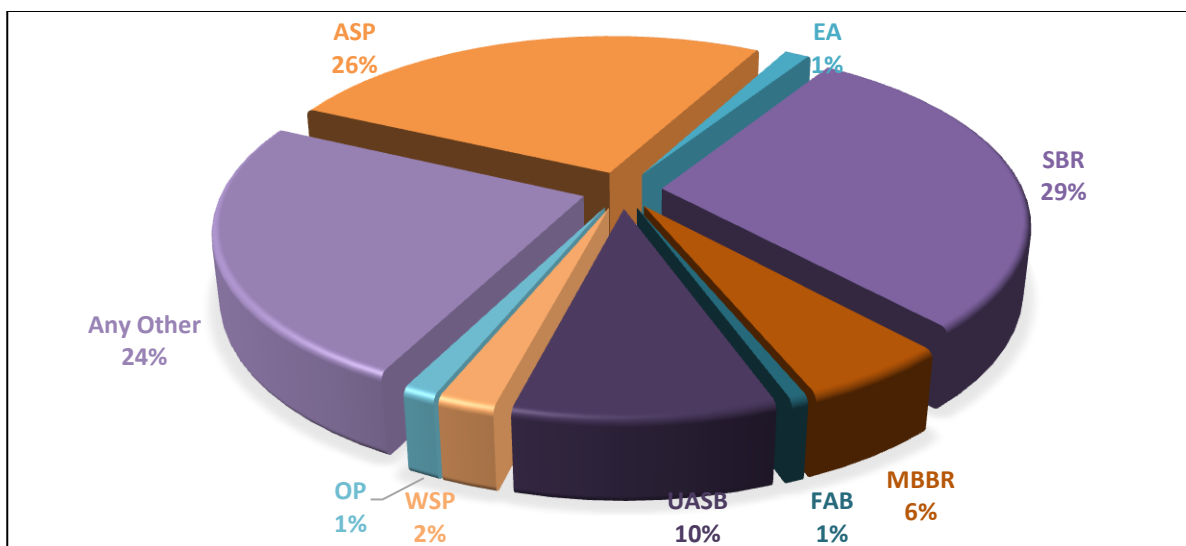


Figure 3.4: Technologywise Capacity Distribution of STPs

Table 3.8: Technology-wise Break-up of STPs in various States

Sl. No.	States / UTs	Number / Capacity (In MLD)	Technologies								
			ASP	EA	FAB	MBBR	OP	SBR	UASB	WSP	Any Other
1	Andhra Pradesh	Δ	12	2	2	12	3	4	5	3	24
		◆	321	20	3	39	57	17	130	31	235
2	Bihar	Δ	2	0	0	0	0	13	0	0	10
		◆	150	0	0	0	0	327	0	0	154
3	Chandigarh	Δ	1	0	0	1	0	3	2	0	0
		◆	5	0	0	136	0	107	45	0	0
4	Chhattisgarh	Δ	3	0	0	0	0	0	0	0	0
		◆	73	0	0	0	0	0	0	0	0
5	Daman, Diu & Dadra NH	Δ	0	0	0	0	0	3	0	0	0
		◆	0	0	0	0	0	24	0	0	0
6	Goa	Δ	0	0	0	0	0	10	0	0	4
		◆	0	0	0	0	0	103	0	0	1
7	Gujarat	Δ	14	4	0	5	8	24	7	0	8
		◆	1254	60	0	175	46	1285	491	0	67
8	Haryana	Δ	7	0	0	83	4	49	10	0	0
		◆	297	0	0	447	14	754	368	0	0
9	Himachal Pradesh	Δ	86	0	0	0	0	0	0	0	0
		◆	155	0	0	0	0	0	0	0	0
10	Jammu & Kashmir	Δ	9	0	3	3	0	10	1	0	0
		◆	113	0	15	32	0	52	10	0	0
11	Jharkhand	Δ	0	0	0	0	0	1	0	0	11

Sl. No.	States / UTs	Number / Capacity (In MLD)	Technologies								
			ASP	EA	FAB	MBBR	OP	SBR	UASB	WSP	Any Other
		♦	0	0	0	0	0	12	0	0	627
12	Karnataka	Δ	12	9	2	2	14	43	2	10	46
		♦	667	166	20	35	85	1079	63	61	536
13	Kerala	Δ	4	0	0	0	0	0	0	0	3
		♦	112	0	0	0	0	0	0	0	8
14	Madhya Pradesh	Δ	4	0	0	0	0	6	0	7	125
		♦	120	0	0	0	0	358	0	178	1268
15	Maharashtra	Δ	24	7	1	35	2	75	6	0	45
		♦	930	146	1	826	36	2452	240	0	5188
16	Mizoram	Δ	0	0	0	0	0	1	0	0	0
		♦	0	0	0	0	0	10	0	0	0
17	NCT Delhi	Δ	28	4	1	0	0	4	0	0	1
		♦	2575	69	3	0	0	245	0	0	4
18	Odisha	Δ	3	0	0	0	0	6	0	2	3
		♦	100	0	0	0	0	183	0	35	60
19	Puducherry	Δ	0	0	0	0	0	1	2	0	1
		♦	0	0	0	0	0	20	36	0	3
20	Punjab	Δ	5	0	1	27	0	61	7	17	1
		♦	207	0	13	165	0	838	501	54	3
21	Rajasthan	Δ	15	0	0	11	2	79	5	15	13
		♦	445	0	0	10	30	428	33	137	112
22	Sikkim	Δ	0	0	4	2	0	1	0	0	4
		♦	0	0	20	2	0	2	0	0	6
23	Telangana	Δ	13	4	0	9	4	4	3	0	0
		♦	85	13	0	133	24	105	541	0	0
24	Tamil Nadu	Δ	49	0	1	0	1	5	1	2	4
		♦	1011	0	6	0	6	319	9	112	29
25	Tripura	Δ	0	0	0	0	0	1	0	0	0
		♦	0	0	0	0	0	8	0	0	0
26	Uttar Pradesh	Δ	20	0	4	3	14	31	24	3	8
		♦	681	0	122	14	101	1176	1095	27	158
27	Uttarakhand	Δ	0	0	0	8	0	34	1	0	38
		♦	0	0	0	20	0	351	1	0	143
28	West Bengal	Δ	10	0	2	0	9	21	0	8	15
		♦	191	0	41	0	63	392	0	160	355
<b>Total</b>		Δ	<b>321</b>	<b>30</b>	<b>21</b>	<b>201</b>	<b>61</b>	<b>490</b>	<b>76</b>	<b>67</b>	<b>364</b>
		♦	<b>9492</b>	<b>474</b>	<b>244</b>	<b>2034</b>	<b>462</b>	<b>10647</b>	<b>3563</b>	<b>795</b>	<b>8957</b>
<b>Note:</b>											

Sl. No.	States / UTs	Number / Capacity (In MLD)	Technologies								
			ASP	EA	FAB	MBBR	OP	SBR	UASB	WSP	Any Other
<p>Δ = Number of STPs, ◆ = Capacity (In MLD)</p> <ul style="list-style-type: none"> <li>Activated Sludge Process (ASP), Extended Aeration (EA), Fluidized Aerobic Bed Reactor (FAB), Moving Bed Biofilm Reactor (MBBR), Oxidation Pond (OP), Sequencing Batch Reactors (SBR), Upflow Anaerobic Sludge Blanket (UASB) and Waste Stabilization Pond (WSP).</li> <li>Technologies included in Any Other are Aerated Lagoon (AL), Trickling Filter (TF), Bio-Tower, Electro Coagulation (EC), MBR, FMBR and Root Zone etc.</li> <li>States /UTs not installed any STP are Andaman Nicobar &amp; Islands, Arunachal Pradesh, Assam, Lakshadweep, Manipur, Meghalaya and Nagaland.</li> </ul>											

Table 3.9: Technology-wise Break up of STPs with respect to Operational Capacity

Sl.No.	States / Uts	Number / Capacity (In MLD)	Technologies								
			ASP	EA	FAB	MBBR	OP	SBR	UASB	WSP	Any Other
1	Andhra Pradesh	Δ	7	2	2	10	2	2	5	3	4
		◆	166	20	3	28	56	0.4	130	31.5	8
2	Chandigarh	Δ	1	0	0	1	0	3	1	0	0
		◆	6	0	0	136	0	106	23	0	0
3	Chhattisgarh	Δ	3	0	0	0	0	0	0	0	0
		◆	73	0	0	0	0	0	0	0	0
4	Daman, Diu & Dadra Nagar Haveli	Δ	0	0	0	0	0	3	0	0	0
		◆	0	0	0	0	0	24	0	0	0
5	Goa	Δ	0	0	0	0	0	5	0	0	4
		◆	0	0	0	0	0	43	0	0	1
6	Gujarat	Δ	14	3	0	5	8	24	7	0	8
		◆	1254	40	0	175	46	1285	491	0	67
7	Haryana	Δ	7	0	0	83	4	49	10	0	0
		◆	297	0	0	447	14	754	368	0	0
8	Himachal Pradesh	Δ	59	0	0	0	0	0	0	0	0
		◆	99	0	0	0	0	0	0	0	0
9	Jammu & Kashmir	Δ	4	0	3	1	0	4	0	0	0
		◆	21	0	15	30	0	27	0	0	0
10	Jharkhand	Δ	0	0	0	0	0	1	0	0	1
		◆	0	0	0	0	0	12	0	0	10
11	Karnataka	Δ	12	9	1	1	10	24	2	8	30
		◆	667	167	15	15	68	447	64	47	432
12	Kerala	Δ	2	0	0	0	0	0	0	0	1
		◆	111	0	0	0	0	0	0	0	3
13	Madhya	Δ	4	0	0	0	0	6	0	7	28



Sl.No.	States / Uts	Number / Capacity (In MLD)	Technologies								
			ASP	EA	FAB	MBBR	OP	SBR	UASB	WSP	Any Other
	Pradesh	◆	120	0	0	0	0	358	0	178	28
14	Maharashtra	△	18	2	1	24	2	52	6	0	25
		◆	792	34	1	508	36	2024	240	0	2731
15	NCT Delhi	△	25	4	1	0	0	4	0	0	1
		◆	2393	69	3	0	0	245	0	0	5
16	Odisha	△	0	0	0	0	0	0	0	2	2
		◆	0	0	0	0	0	0	0	35	20
17	Puducherry	△	0	0	0	0	0	1	2	0	0
		◆	0	0	0	0	0	20	36	0	0
18	Punjab	△	4	0	1	24	0	42	7	16	1
		◆	203	0	13	152	0	677	501	52	3
19	Rajasthan	△	13	0		2	2	22	4	9	5
		◆	399	0	0	2	30	156	25	88	83
20	Sikkim	△	0	0	3	0	0	0	0	0	2
		◆	0	0	16	0	0	0	0	0	2
21	Telangana	△	10	3	0	8	0	3	3	0	0
		◆	66	13	0	128	0	94	541	0	0
22	Tamil Nadu	△	49	0	1	0	1	5	1	2	4
		◆	1011	0	6	0	6	318	9	113	29
23	Tripura	△	0	0	0	0	0	1	0	0	0
		◆	0	0	0	0	0	8	0	0	0
24	Uttar Pradesh	△	19	0	3	3	11	31	24	2	6
		◆	614	0	113	14	91	1177	1094	13	108
25	Uttarakhand	△	0	0	0	6	0	32	1	0	13
		◆	0	0	0	8	0	324	2	0	11
26	West Bengal	△	8	0	2	0	6	1	0	2	5
		◆	130	0	41	0	50	8	0	20	88
<b>Total</b>		△	<b>259</b>	<b>23</b>	<b>18</b>	<b>168</b>	<b>46</b>	<b>315</b>	<b>73</b>	<b>51</b>	<b>140</b>
		◆	<b>8422</b>	<b>343</b>	<b>226</b>	<b>1643</b>	<b>397</b>	<b>8107.4</b>	<b>3524</b>	<b>577.5</b>	<b>3629</b>

**Note:**

△ = Number of STPs, ◆ = Capacity (In MLD)

- Activated Sludge Process (ASP), Extended Aeration (EA), Fluidized Aerobic Bed Reactor (FAB), Moving Bed Biofilm Reactor (MBBR), Oxidation Pond (OP), Sequencing Batch Reactors (SBR), Upflow Anaerobic Sludge Blanket (UASB) and Waste Stabilization Pond (WSP).
- Technologies included in **Any Other** are Aerated Lagoon (AL), Trickling Filter (TF), Bio-Tower, Electro Coagulation (EC), MBR, FMBR and Root Zone etc.
- States /UTs not installed Operational STPs are Andaman Nicobar & Islands, Arunachal Pradesh, Assam, Bihar, Lakshadweep, Manipur, Mizoram, Meghalaya, and Nagaland.

### 3.4 RE-USE OF SEWAGE

As mentioned earlier, sewage generation is estimated as 72,368 MLD and capacity utilization is only 20,235 MLD and remaining quantity of 52,133 MLD is let-out as untreated sewage. Considering such gap of untreated sewage, there is need to realize sewage as a resource which can be treated as per requirement and utilized for non-potable purposes and industrial utilities. Utilization of sewage has following positive impacts:

- Re-use of treated sewage will allow to decrease the water demand from aquatic sources like river, ponds, lakes and also groundwater resources.
- Less consumption of raw water will help in conserving natural water resources.

In recent past, different ULBs and concerned authorities focused on reuse of treated sewage and initiated reuse of treated sewage in horticulture, irrigation, non-contact impoundments and washing and utilization for industrial activities. Central Public Health and Environmental Engineering Organisation (CPHEEO) has prescribed standards for re-use of treated sewage for different purposes like horticulture, irrigation, non-contact impoundments and washing and same is attached as *Annexure-II*.

In compliance with the directions of Hon'ble NGT in the matter of OA no. 148 of 2015 titled Mahesh ChanderSaxena Vs South Delhi Municipal Corporation, all the States / UTs have prepared action plans on utilization of treated sewage. Salient features of the action plans are mentioned below:

- In 07 States /UTs namely Delhi -405 MLD (12.5 %), Gujarat-60 MLD (1.55 %), Haryana-192 MLD (16 %), Madhya Pradesh-84 MLD (4 %), Tamil Nadu -211 MLD (6.6 %), Chandigarh- 27-40 MLD (10-16 %) and Puducherry – 15.3 MLD (26 %), domestic wastewater treated and re-used for different purposes like horticulture, irrigation, non-contact impoundments, washing (Roads, Vehicles, Trains), Construction and Industrial Activities.
- Percentage of reuse of treated sewage is maximum in Haryana (80 %) followed by Puducherry (55 %), Delhi (50 %), Chandigarh (35 %), Tamil Nadu (25%), Madhya Pradesh (20 %), Andhra Pradesh (5 %).
- NCT of Delhi has set target to increase their re usage from 12.5 % to 60 %. In future, utilization of 341 MGD treated sewage are proposed for drinking purpose (197 MGD), Irrigation (112 MGD) and 10 MGD in rejuvenation of water bodies

Apart from above, case studies of *Chennai Metropolitan Water Supply and Sewerage Board* and *Surat Municipal Corporation* on reuse of treated sewage via Tertiary Treatment Reverse Osmosis (TTRO) Plant for industrial activity are presented below:

### 3.4.1 Case study of Chennai Metropolitan Water Supply and Sewerage Board

*Chennai Metropolitan Water Supply and Sewerage Board* has installed 02 TTRO plants at Koyambedu and Kodungaiyur of capacity 45 MLD each to meet the raw water requirement of Industrial areas. Details of TTRO plant at Koyambedu and Kodungaiyur are mentioned below:

#### i. 45 MLD Capacity TTRO Plant at Koyambedu

##### ▪ **Work Awarded**

M/s WABAG – IDE Consortium, Chennai- Rs 396.50 Crore towards construction cost and Rs 197.59 Crore towards Operation and Maintenance cost for 15 years.

##### ▪ **Project Plan**

Construction of TTRO plant of capacity 45 MLD and MS Transmission main for conveying product water including construction of Intermediate storage tanks at Pillaipakkam, VallamVadagal and Oragadam for onward supply to the SIPCOT industries located at Irungattukottai, Sriperumbudur and Oragadam by SIPCOT.

The TTRO product water from TTRO plant at Koyambedu is being supplied to the SIPCOT industries located at Irungattukottai viz. Hyundai, Schwingstetter, Hwwin, etc., at Sriperumbudur viz. Saint Gobain, Capro, Samsung Mobiles, etc., and at Oragadam viz. Apollo tyres, Nissan Kone Elevators, Mando, Yamaha & Enfield, etc., and to all other small scale industries located at Pillaipakkam and VallamVadagal from 18.12.2019 onwards.

- **Details of TTRO Plant** treatment stage: Pre-chlorination, Rapid Sand Gravity Filters
- Secondary treatment stage: Basket strainers, Ultrafiltration system
- Tertiary treatment stage: Cartridge filters, Reverse Osmosis system and Ozonation.

##### ▪ **Benefits**

- Saving of Fresh Water-Due to the commencement of the supply of TTRO water to SIPCOT industries, the quantity of fresh water of around 20MLD which was being supplied to them for industrial use from Chembarambakkam has now been diverted for drinking water purpose of the Chennai city people
- Revenue- The rate / tariff for the supply of TTRO water to the SIPCOT industries from TTRO plant at Koyambedu is fixed as Rs.65/- per KL. The total Revenue Generated is Rs 19.67 Crores.

**ii. 45 MLD Capacity TTRO Plant at Kodugaiyur**

▪ **Work Awarded**

M/s BGR Energy Systems Limited, Chennai- Rs235 Crores towards construction cost and Rs205 Crore towards Operation and Maintenance cost for 15 years

**Project Plan**

Construction of TTRO plant of capacity 45 MLD and laying DI conveying main to supply product water to the industries at Manali - Ennore Corridor and Manali - Minjur Corridor, Chennai.

▪ **Details of TTRO Plant**

- Pre-treatment stage: Pre-chlorination, Rapid Sand Gravity Filters
- Secondary treatment stage: Basket strainers, Ultrafiltration system
- Tertiary treatment stage: Cartridge filters, Reverse Osmosis system and Ozonation

▪ **Benefits**

- Saving of Fresh Water-Due to the commencement of the supply of TTRO water to the industries, the quantity of fresh water / desalination water of around 20MLD which was being supplied to them for industrial use has now been diverted for the drinking water purpose of the Chennai city people
- Revenue- The rate / tariff for the supply of TTRO water to the SIPCOT industries from TTRO plant at Koyambedu is fixed as Rs.80/- per KL. The total Revenue Generated is Rs48.17 Crores.

**3.4.2 Case study of Surat Municipal Corporation**

Surat Municipal Corporation (SMC) is supplying an average of 55 MLD of water to Pandesara GIDC Industrial area since 1998. Water demand of Pandesara industries is approximately 90-100 MLD comprising 80-85 MLD of process water requirement and 10-15 MLD of potable quality water demand.

SMC has constructed 40 MLD TTRO plant to treat secondary treated water from Bamroli STPs and recycle, generate and supply Industrial grade water for Pandesara Industrial Estate. Details of project are mentioned below:

- **Work Awarded**  
M/s Enviro Control Associates (I) Pvt. Ltd, Surat- Rs 85.10 Crore towards construction cost and Rs 80 Crore towards Operation and Maintenance cost for 10 years
- **Details of TTRO Plant**
  - Sand Filtration
  - Ultra Filtration
  - Reverse Osmosis (RO)
  - Activated Carbon Filtration (ACF)
- **Benefits**
  - Saving of Fresh Water-SMC is now able to sapre 40 MLD of potable water, which was earlier supplied to Pandesara industries.
  - Revenue- The rate / tariff for the supply of TTRO water to the Pandesaraindustriesfrom TTRO plant is fixed as Rs.23/- per KL. The total Revenue Generated is Rs 48.17 Crores
- **Replicability**
  - 35 MLD capacity at Bamroli (Phase-II) to cater need of Sachin Industrial Estate
  - 40 MLD capacity at Dindoli to cater additional need of Pandesara Industrial Estate
  - To explore further use of Tertiary Treated Sewage Wate for Gardening, Lake Development, One TTP of 01 MLD capacity is completed as pilot project at KaviKalapi Garden, West Zone of Surat
  - Reuse of Secondary Treated Sewage Water for plants on Road Divider
  - For new proposed 06 EWS Housing Scheme having more than 3000 units under SMART City Mission, SMC has initiated to establish TTP to treat the Domestic Sewage and Re-use it for Toilet flushing and Gardening.

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## Chapter 4

### State-wise Statistics on Sewage Treatment Plants

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Interaction were made with all the SPCBs / PCCs to get the information pertaining to respective State in a prescribed format and the same have been received. It is communicated by the SPCBs of Arunachal Pradesh, Andaman & Nicobar Islands, Lakshadweep, Manipur and Nagaland that there is no STP in these States. Brief State-wise observations of remaining 28 States/UTs are presented in subsequent sections of this chapter. Detailed information received as such from the SPCBs / PCCs are attached as *Annexure-III*.

#### 4.1 STPs AT ANDHRA PRADESH

Estimated sewage generation for the State of Andhra Pradesh is 2882 MLD and total capacity (including proposed) is 853.05MLD (67 STPs). Figure 4.1 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, non operational, under construction and proposed. Based on the data analysis, following observations can be made:

1. Installed capacity is 833 MLD (39.61 %) against the sewage generation of 2882 MLD. It shows that there is gap of 2049 MLD (71.09 %) in treatment capacity.
2. Out of 833 MLD installed capacity developed, operationalized capacity is 443 MLD (53.18 %).
3. Actual utilized capacity is 309 MLD and capacity of complied STPs is only 154 MLD.
4. STPs based on ASP and MBBR technologies are predominant as compared to natural treatment systems. However, STPs designed on natural treatment system show more than 50 % compliance with respect to prescribed norms.

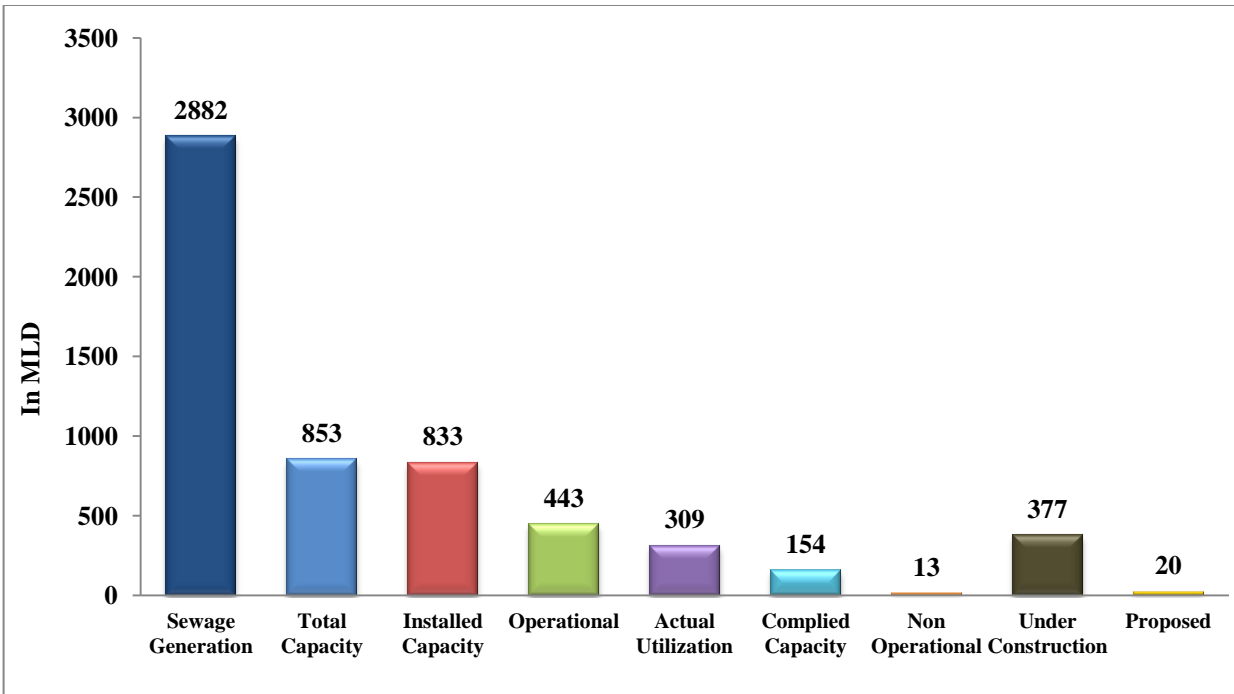


Figure 4.1 : Sewage generation and Treatment Capacity (MLD) – Andhra Pradesh

#### 4.2 STPs AT ANDAMAN & NICOBAR ISLAND

Andaman & Nicobar Islands has no STP and septic tanks are used for treatment of sewage in the State.

#### 4.3 STPs AT ARUNACHAL PRADESH

Arunachal Pradesh has no STP and septic tanks are used for treatment of sewage in the State.

#### 4.4 STPs AT ASSAM

Assam has no STP and septic tanks are used for treatment of sewage in the State.

#### 4.5 STPs AT BIHAR

Estimated sewage generation in the State of Bihar is 2276 MLD and total capacity (including proposed) is 631 MLD (25 STPs). Figure 4.2 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, non operational, under construction and proposed. Based on the data analysis, following observations are made:

1. Installed capacity is 10 MLD (0.43 %) only against the sewage generation of 2276 MLD. It shows that there is gap in treatment capacity of 2266 MLD (99.56 %). Rest of the treatment capacity is either in the planning or construction phase.
2. Out of 10 MLD installed capacity, operationalized capacity is zero.

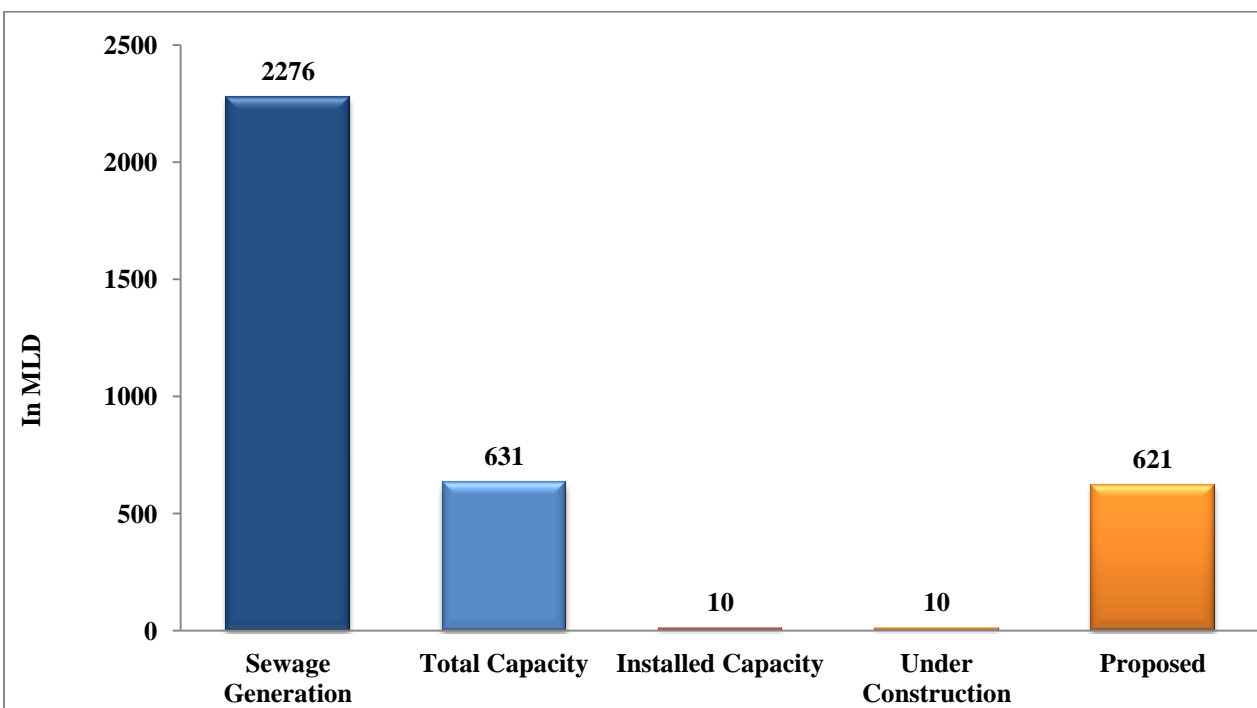


Figure 4.2 : Sewage Generation and Treatment Capacity (MLD) - Bihar



#### 4.6 STPs AT CHANDIGARH

Estimated sewage generation for the union territory of Chandigarh is 188 MLD and total capacity (including proposed) is 293 MLD (07 STPs). Figure 4.3 depicts sewage generation, total capacity, operational capacity, actual utilization, complied capacity, non operational, under construction and proposed. Based on the dataanalysis, following observations are made:

1. Installed capacity is 293 MLD against the sewage generation of 188 MLD. It shows that there is an excess of treatment capacity to the tune of 105 MLD.
2. Out of 293 MLD of installed capacity developed, operationalized capacity is 271 MLD (92.49 %).
3. Actual utilized capacity is 235 MLD (86.72 %) out of 271 MLD operational capacity.
4. Figures on actual utilized capacity are more than the sewage generation figures of the city which indicates that possibility of sewage coming from the adjoining cities or mixing of industrial waste-water into sewage can't be ruled out. Alternatively, water-supply from unaccounted sources may also be taking place.

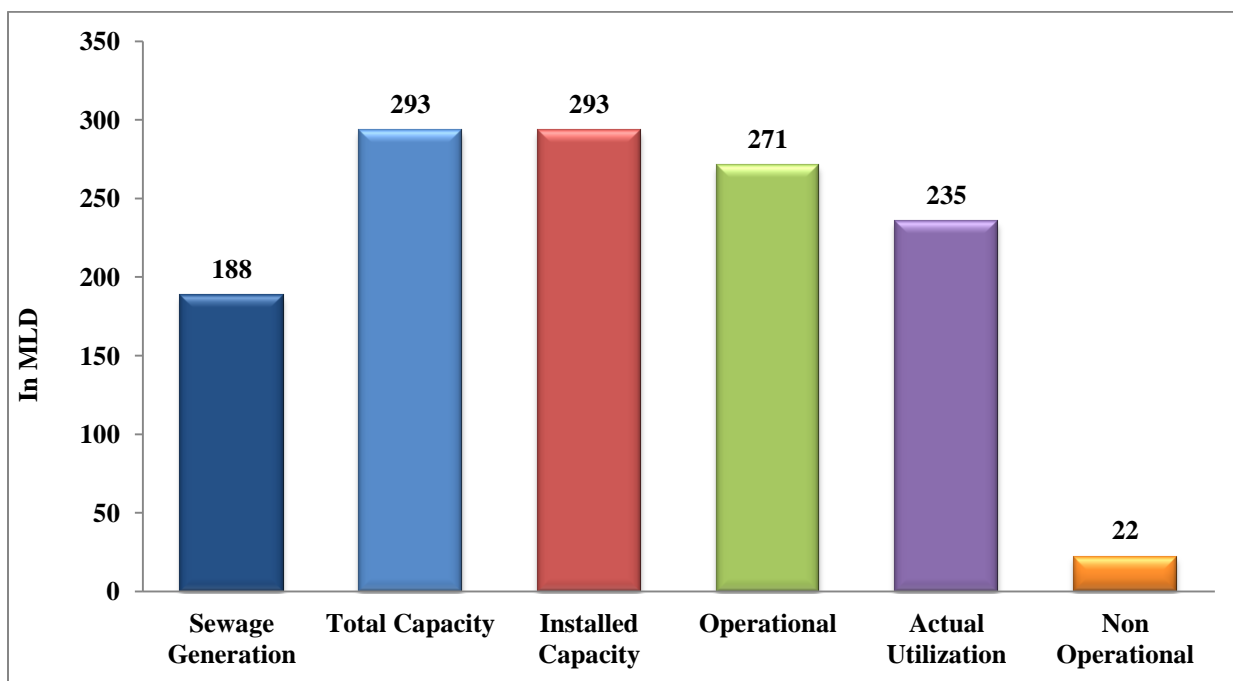


Figure 4.3: Sewage Generation and Treatment Capacity (MLD) - Chandigarh

#### 4.7 STPs AT CHHATTISGARH

Estimated sewage generation in the State of Chhattisgarh is 1203 MLD and total capacity (including proposed) is 73 MLD (03 STPs). Figure 4.4 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, non operational, under construction and proposed. Based on the dataanalysis, following observations are made:

1. Installed capacity is 73 MLD against the sewage generation of 1203 MLD. It shows that there is gap in treatment capacity of 1130 MLD (93.93 %).
2. Out of 73 MLD installed capacity developed, operationalized capacity is also 73 MLD (100 %).
3. Actual utilized capacity is 06 MLD out of 73 MLD operational capacity.
4. STPs based onASP technology is predominant in the State as compared to natural treatment systems.

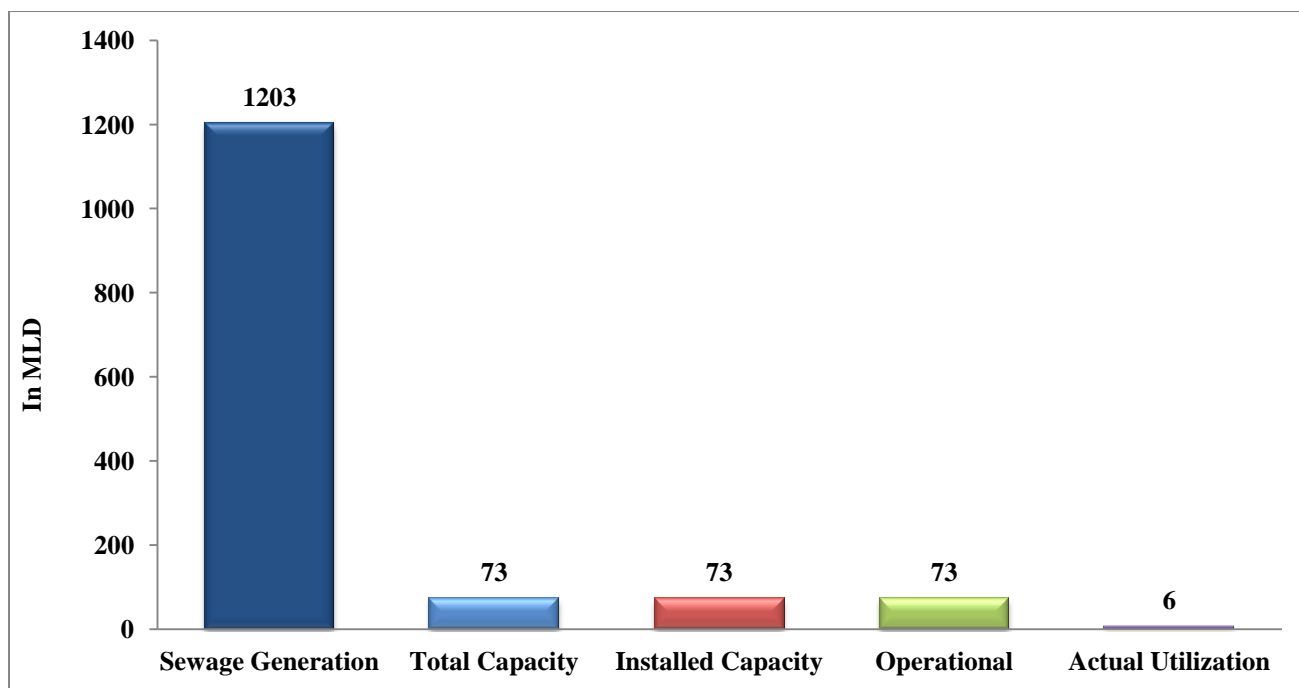


Figure 4.4 : Sewage Generation and Treatment Capacity ( MLD) - Chhattisgarh

#### 4.8 STPs AT DAMAN DIU & DADRA NAGAR HAVELI

Estimated sewage generation for the union territory of Daman Diu & Dadra Nagar Haveli is 67 MLD and total capacity is 24 MLD (03 STPs). Figure 4.5 depicts information on sewage generation, treatment capacity, operational capacity, actual utilization and complied capacity. Based on the data analysis, following observations are made:

1. Installed capacity is 24 MLD (35.82 %) against the sewage generation of 67 MLD. It shows that there is gap in treatment capacity of 43 MLD (64.17 %).
2. All the STPs are in operation i.e. operational capacity is also 24 MLD. However, actual utilized capacity is only 07 MLD out of 24 MLD of operational capacity.

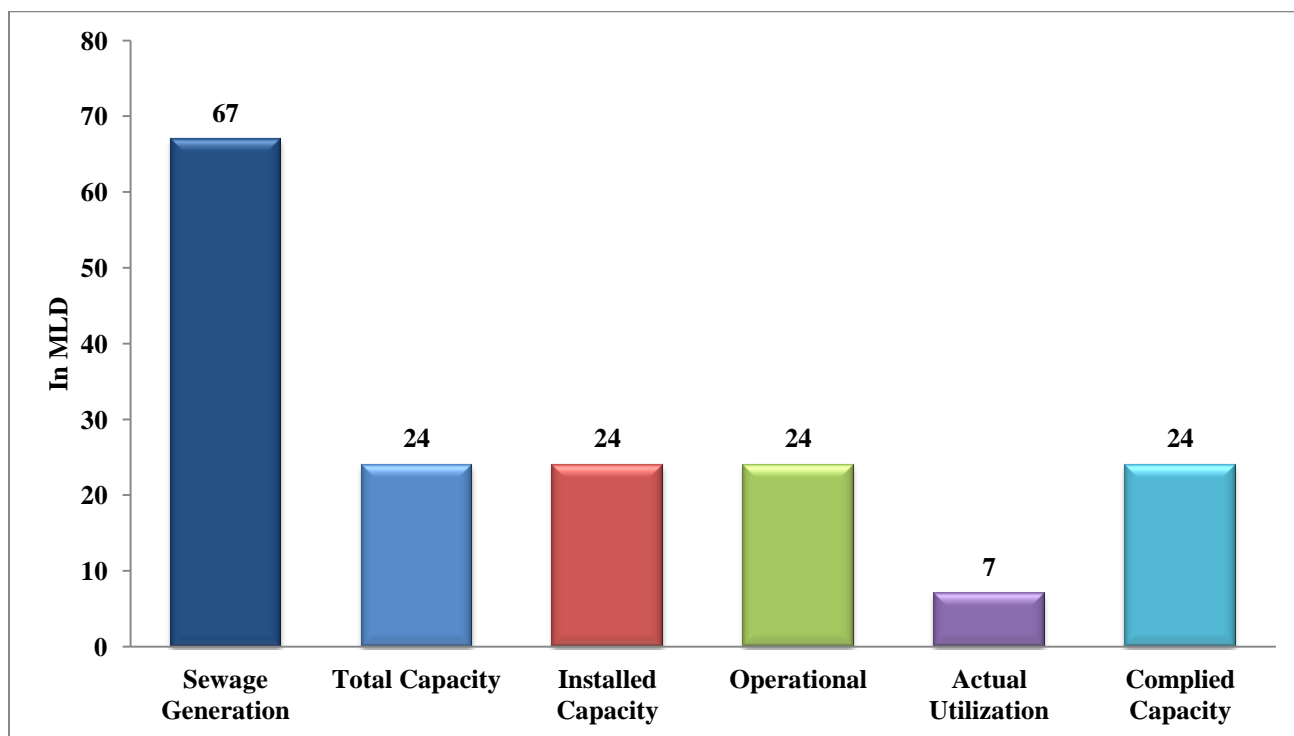


Figure 4.5: Sewage Generation and Treatment Capacity (MLD) – Daman, Diu and DNH

## 4.9 STPs AT GOA

Estimated sewage generation for the State of Goa is 176 MLD and total capacity (including proposed) is 104 MLD (14 STPs). Figure 4.6 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, non operational, under construction and proposed. Based on the dataanalysis, following observations are made:

1. Installed capacity is 66 MLD (25 %) against the sewage generation of 176 MLD. It shows that there is gap in treatment capacity of 110 MLD (62.5 %).
2. Out of 66 MLD installed capacity developed, operationalized capacity is 44 MLD (66.67 %).
3. Actual utilized capacity is 25 MLD out of 44 MLD operational capacity and all the STPs are complying with norms.

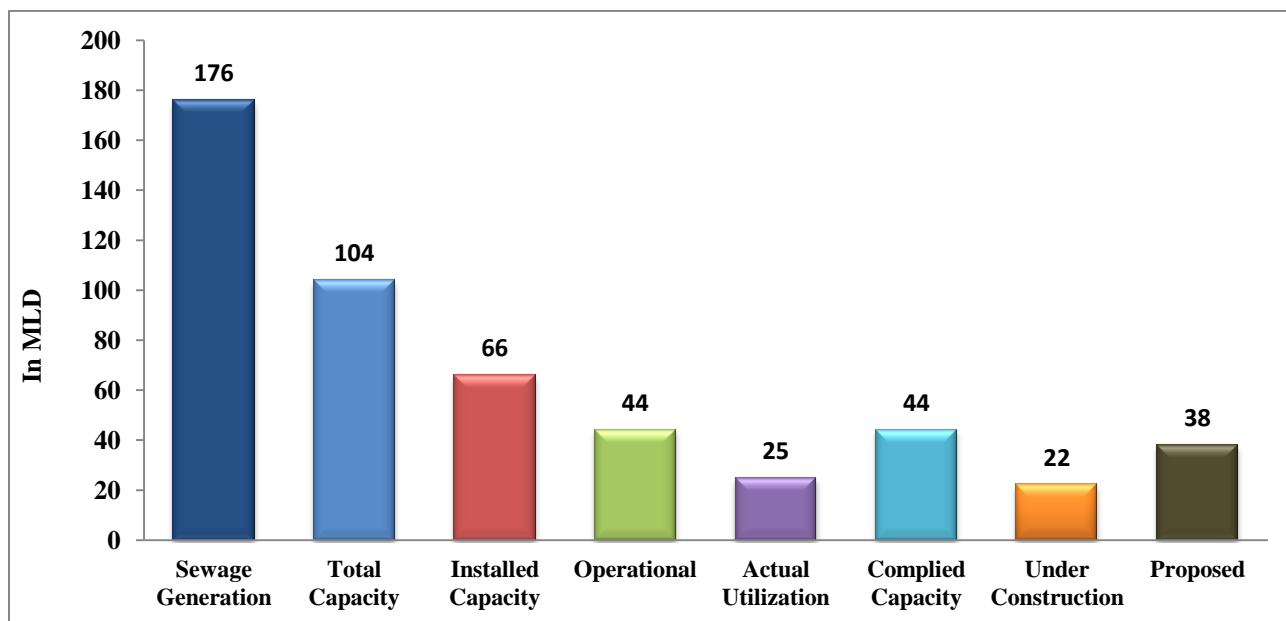


Figure 4.6: Sewage Generation and Treatment Capacity (MLD) - Goa

#### 4.10 STPs AT GUJARAT

Estimated sewage generation for the State of Gujarat is 5,013 MLD and total capacity (including proposed) is 3,378 MLD (70 STPs). Figure 4.7 depicts information on sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, non operational, under construction and proposed. Based on the dataanalysis, following observations are made:

1. Installed capacity is 3,378 MLD (67.38 %) against sewage generation of 5,013 MLD. It shows that there is a gap in treatment capacity to the tune of 1635 MLD (32.61 %).
2. Out of 3378 MLD installed capacity developed; operational capacity is 3358 MLD (99.40 %).
3. Actual utilized capacity is 2,687 MLD out of 3,358 MLD operational capacity.
4. STPs based on SBR and ASP technologies are predominant as compared to natural treatment systems.

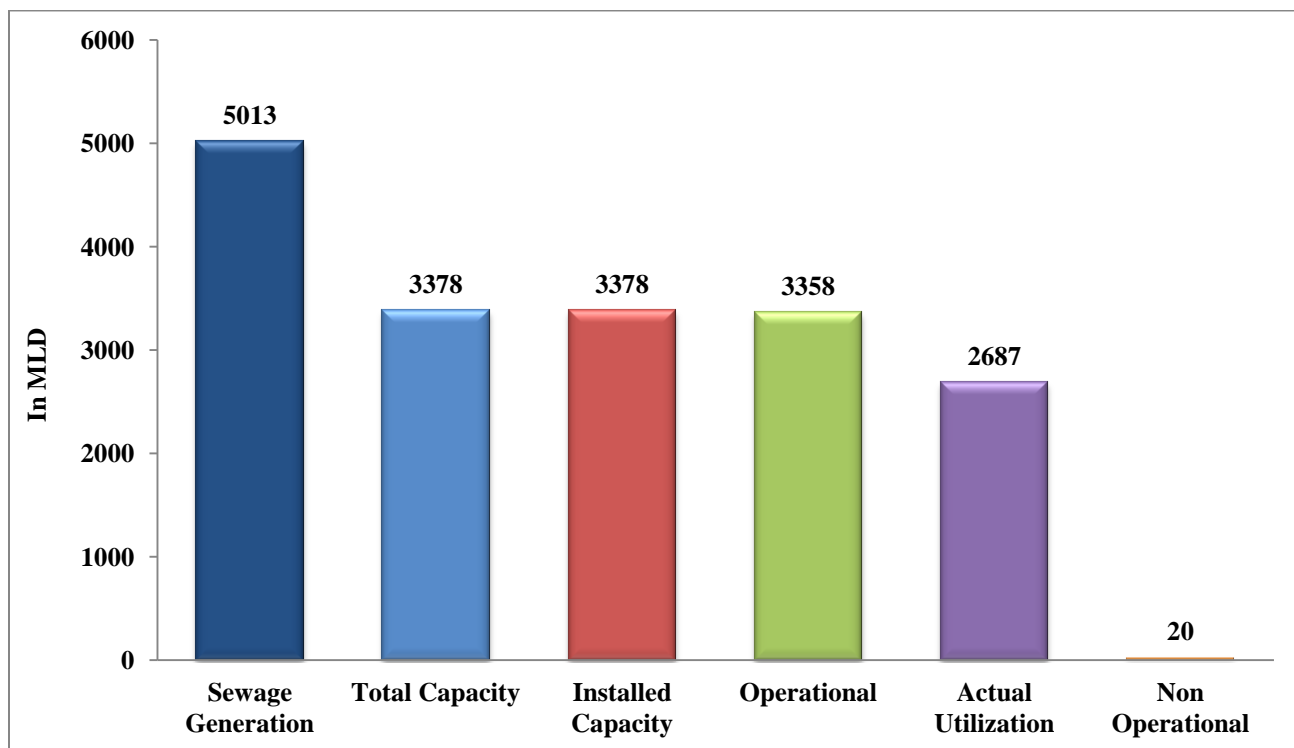


Figure 4.7: Sewage Generation and Treatment Capacity (MLD) - Gujarat

#### 4.11 STPs AT HARYANA

Estimated sewage generation for the State of Haryana is 1816 MLD and total treatment capacity (including proposed) is 1880 MLD (153 STPs). Figure 4.8 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed treatment capacity is 1880 MLD against sewage generation of 1816 MLD. It shows that the treatment capacity is in excess by 64 MLD.
2. All the STPs can be operated at full capacity. However, actual utilized capacity is 1284 MLD only and capacity of complying STPs is only 1746 MLD.
3. STPs based on SBR and MBBR technologies are predominant in the state of Haryana.

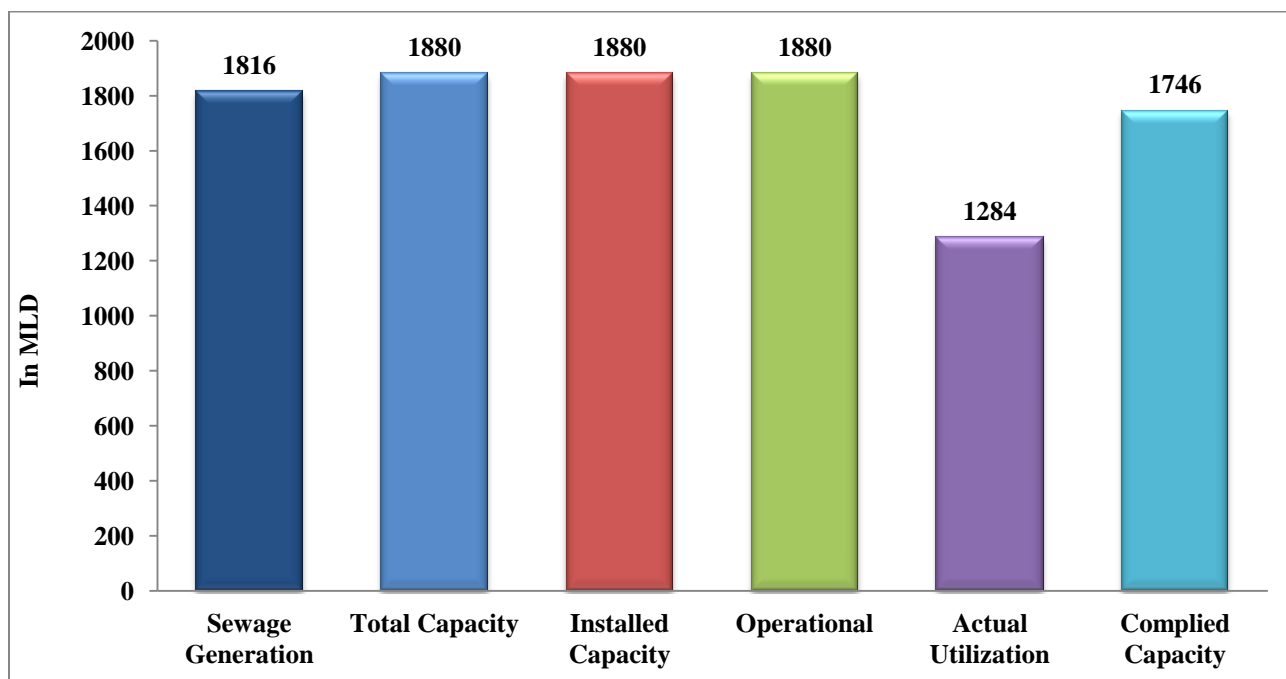


Figure 4.8: Sewage Generation and Treatment Capacity (MLD) - Haryana

#### 4.12 STPs AT HIMACHAL PRADESH

Estimated sewage generation for the State of Himachal Pradesh is 116 MLD and total capacity (including proposed) is 155 MLD (86 STPs). Figure 4.9 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity and capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 136 MLD against sewage generation of 116 MLD. It shows that the treatment capacity is in excess by 20 MLD.
2. Out of 136 MLD of installed capacity developed, operationalized capacity is 99 MLD (72.79 %) and actual utilized capacity is only 51 MLD.

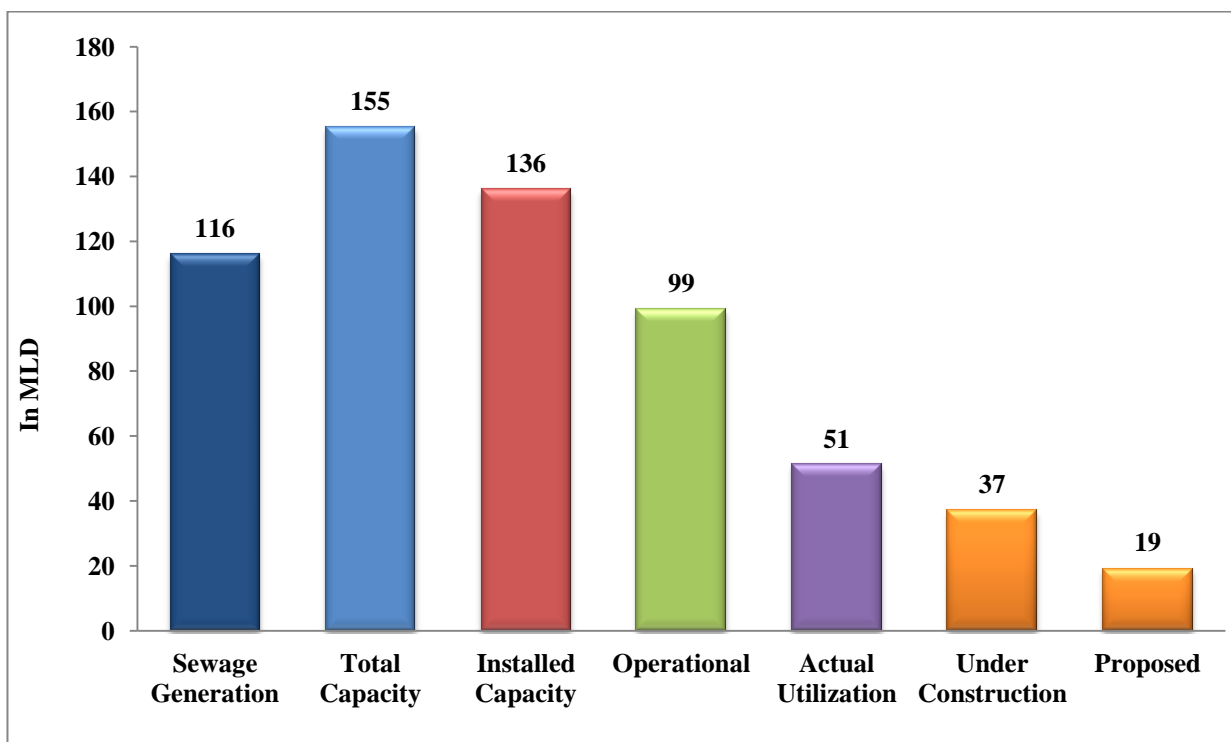


Figure 4.9: Sewage Generation and Treatment Capacity (MLD) – Himachal Pradesh

#### 4.13 STPs AT JAMMU & KASHMIR

Estimated sewage generation for the State of Jammu & Kashmir is 665 MLD and total capacity (including proposed) is 222 MLD (26 STPs). Figure 4.10 represents information sewage generation, treatment capacity; operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 218 MLD (32.78 %) against sewage generation of 665 MLD. It shows that there is gap of 447 MLD (67.21 %) in treatment capacity.
2. Out of 218 MLD installed capacity developed, operationalized capacity is 93 MLD (42.66%)
3. Actual utilized capacity is 49 MLD and further, capacity of complied STPs is only 88 MLD.

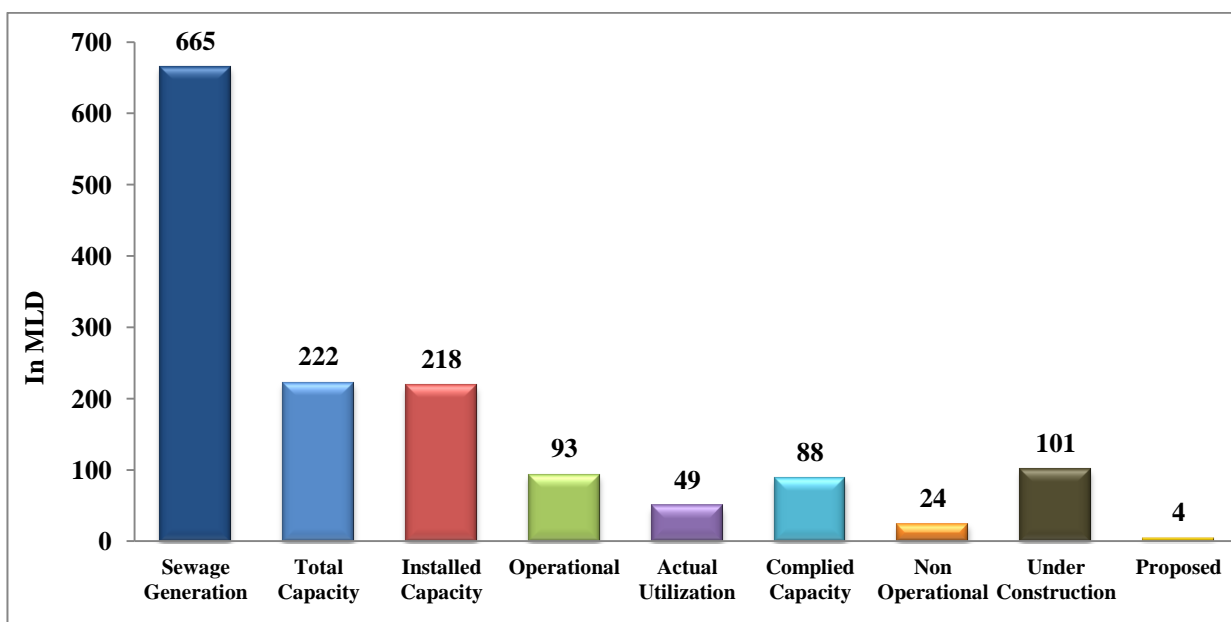


Figure 4.10: Sewage Generation and Treatment Capacity (MLD) – Jammu and Kashmir



#### 4.14 STPs AT JHARKHAND

Estimated sewage generation for the State of Jharkhand is 1510 MLD and total capacity (including proposed) is 639 MLD (12 STPs). Figure 4.11 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 22 MLD (1.45 %) against sewage generation of 1510 MLD. It shows that there is a gap of 1488 MLD (98.55 %) in treatment capacity.
2. Installed STPs can be operated at 100 % of capacity. However, actual utilized capacity is only 15 MLD and meeting the consented norms.

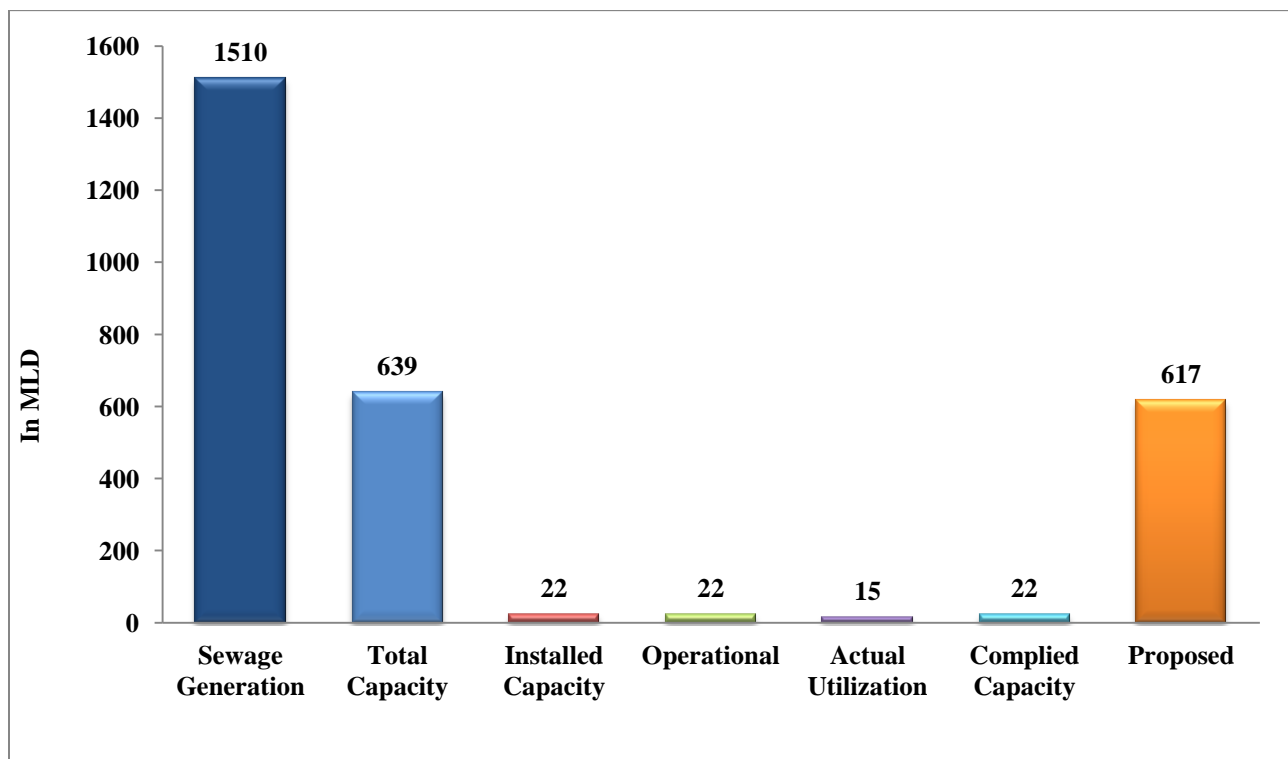


Figure 4.11: Sewage Generation and Treatment Capacity (MLD) - Jharkhand

#### 4.15 STPs AT KARNATAKA

Estimated sewage generation for the State of Karnataka is 4,458 MLD and total capacity (including proposed) is 2,712 MLD (140 STPs). Figure 4.12 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on data analysis, following observations are made:

1. Installed capacity is 2,712 MLD (60.83 %) against sewage generation of 4,458 MLD. It shows that there is gap of 1,746 MLD (39.17 %) in treatment capacity.
2. Out of 2,712 MLD of installed capacity developed, operational capacity is 1922 MLD (70.87 %).
3. Actual utilized capacity is 1786 MLD (92.92 %) and further, capacity of complied STPs is only 1168 MLD.
4. STPs based on SBR, OP and ASP technologies are predominant.

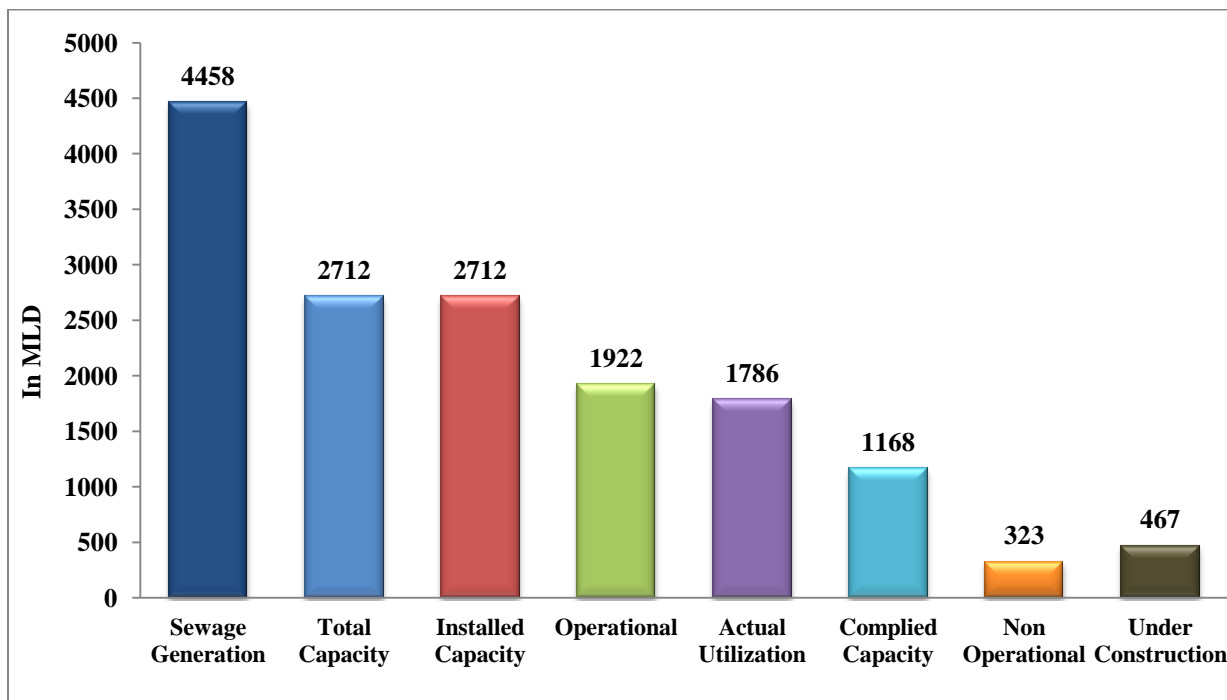


Figure 4.12: Sewage Generation and Treatment Capacity (MLD) – Karnataka

#### 4.16 STPs AT KERALA

Estimated sewage generation for the State of Kerala is 4,256 MLD and total capacity (including proposed) is 120 MLD (07 STPs). Figure 4.13 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs and under construction STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 120 MLD (2.82 %) against the sewage generation of 4,256 MLD. It shows that there is a gap in treatment capacity of 4136 MLD (97.18 %).
2. Out of 120 MLD installed capacity developed, operationalized capacity is 114 MLD (95 %) and actual utilized capacity is 47 MLD only.

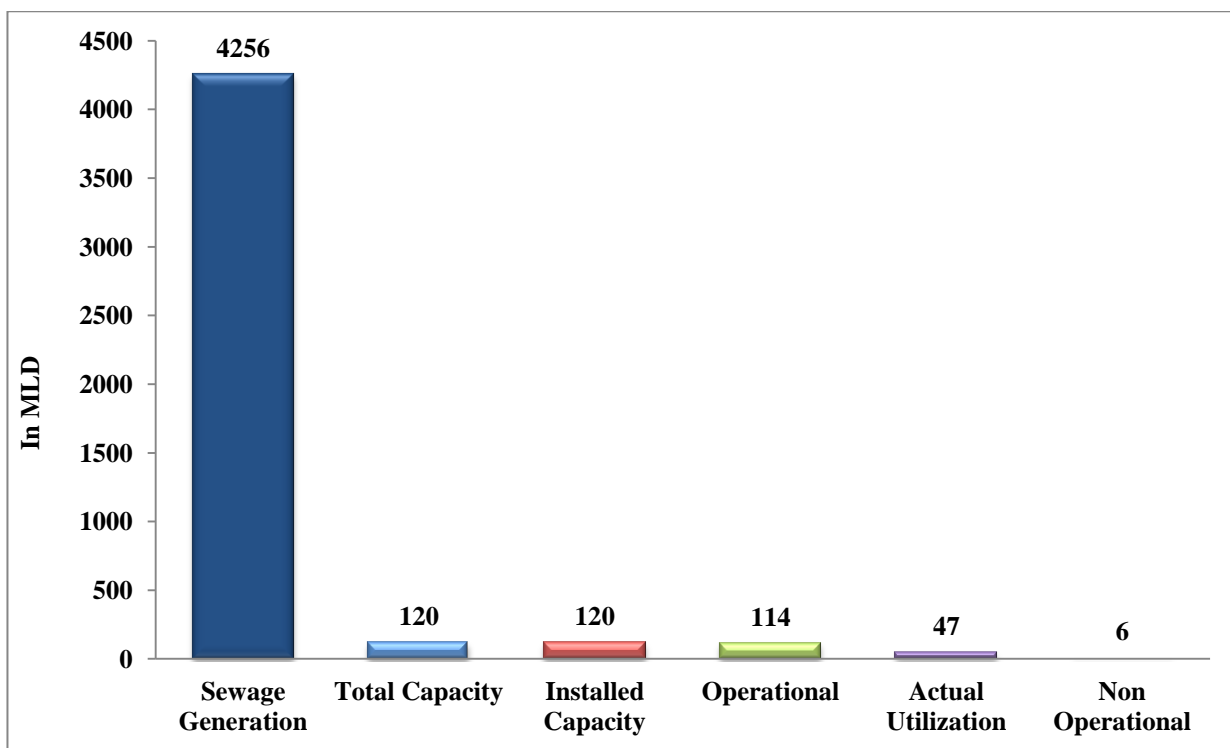


Figure 4.13: Sewage Generation and Treatment Capacity (MLD) - Kerala

#### 4.17 STPs AT LAKSHADWEEP

Lakshadweep has no sewage treatment plant. Septic tanks are used for disposal of sewage.

#### 4.18 STPs AT MADHYA PRADESH

Estimated sewage generation for the State of Madhya Pradesh is 3,646 MLD and total capacity (including proposed) is 1,924 MLD (142 STPs). Statistics on sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity and capacities of non operational STPs , under construction STPs and proposed STPs are graphically presented in Fig. 4.14. Based on the data analysis, following observations are made:

1. Installed capacity is 1,839 MLD (50.44 %) against sewage generation of 3,646 MLD. It shows that there is gap of 1,807 MLD (49.56 %) in treatment capacity.
2. Out of 1839 MLD installed capacity developed, operationalized capacity is 684 MLD (37.19 %) and actual utilized capacity is 536 MLD.
3. STP technologies in respect of 123 STPs are not mentioned by MPPCB. Remaining STPs are predominantly based on SBR and WSP technologies.

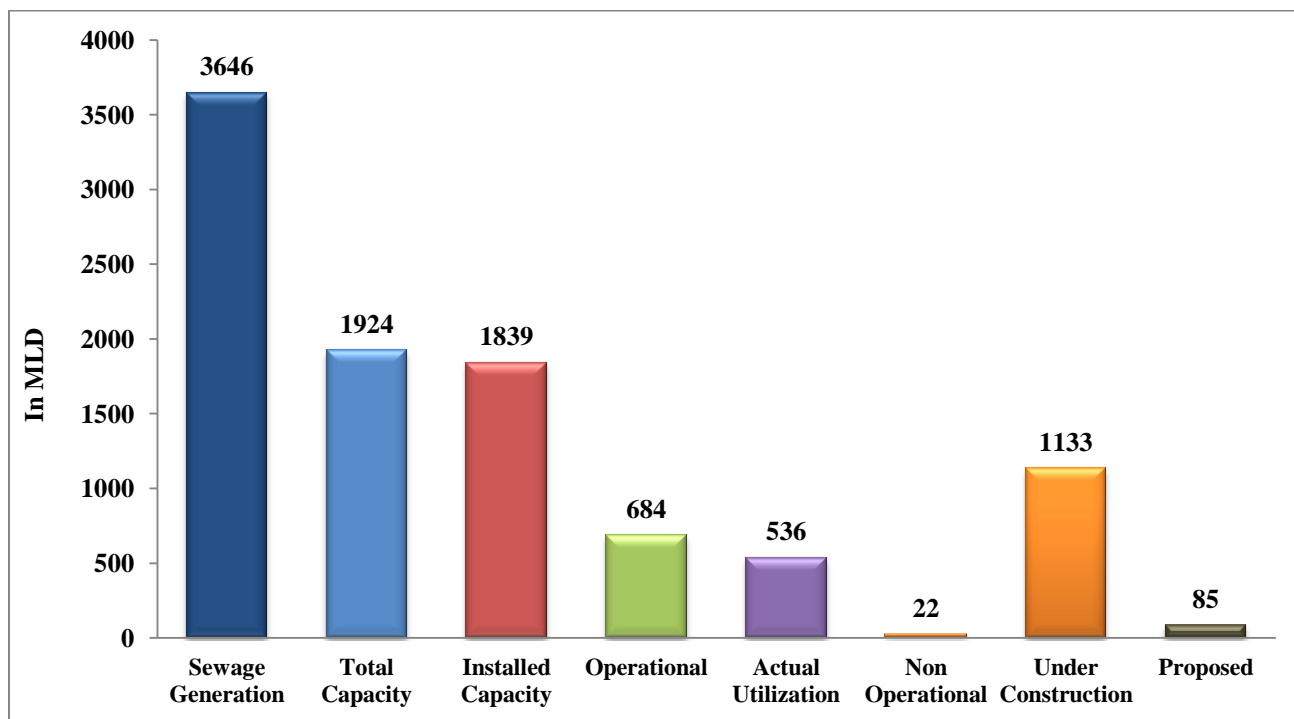


Figure 4.14: Sewage Generation and Treatment Capacity (MLD) – Madhya Pradesh

#### 4.19 STPs AT MAHARASHTRA

Estimated sewage generation for the State of Maharashtra is 9,107 MLD and total capacity (including proposed) is 9,819 MLD (195 STPs). Figure 4.15 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs , under construction STPs and proposed STPs . Based on the data, following observations are made:

1. Installed capacity is 6,890 MLD (75.65 %) against sewage generation of 9,107 MLD. It shows that there is gap of 2217 MLD (24.35 %) in treatment capacity.
2. Out of 6,890 MLD of installed capacity developed, operationalized capacity is 6,366 MLD (92.39 %) and actual utilized capacity is 4,242 MLD. Further, the capacity of complied STPs is only 3598 MLD.

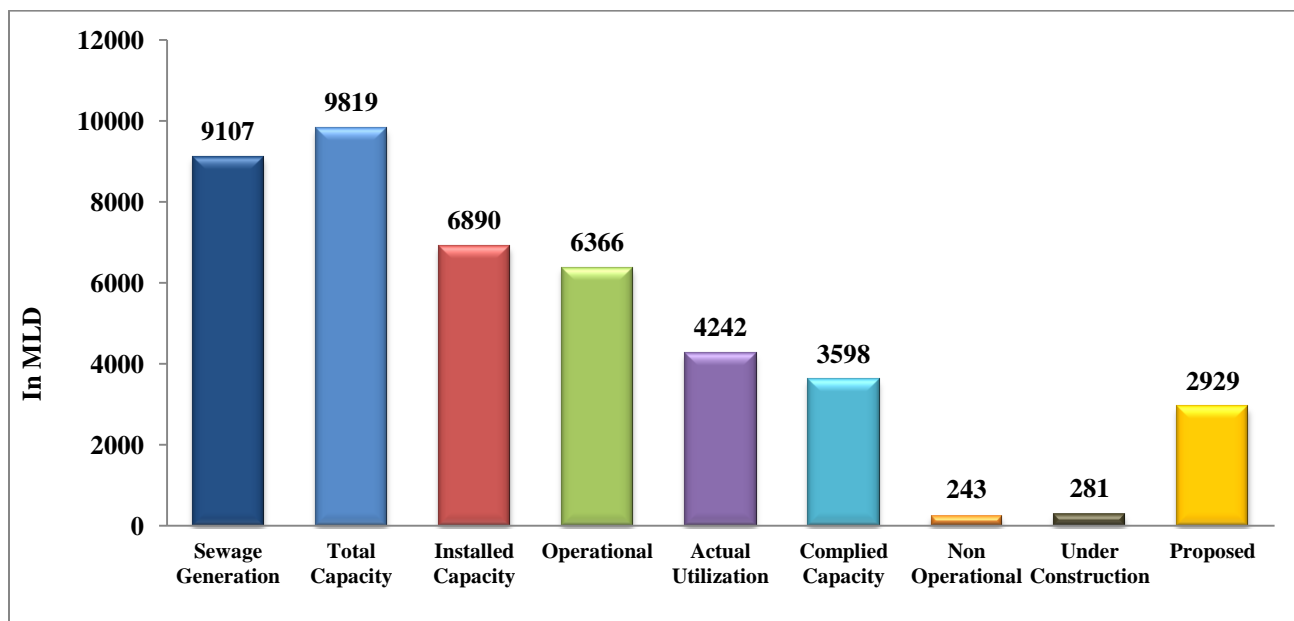


Figure 4.15: Sewage Generation and Treatment Capacity (MLD) – Maharashtra

#### 4.20 STPs AT MANIPUR

Manipur has no sewage treatment plant. Septic tanks are used for disposal of sewage.

#### 4.21 STPs AT MEGHALAYA

Meghalaya has no sewage treatment plant. Septic tanks are used for disposal of sewage.

#### 4.22 STPs AT MIZORAM

Estimated sewage generation for the State of Mizoram is 103 MLD and total treatment capacity is only 10 MLD (01 STP). Figure 4.16 depicts statistics on sewage generation, treatment capacity, operational capacity, actual utilization and complied capacity. It is informed that installed STP is non-operational and entire sewage is discharged untreated.

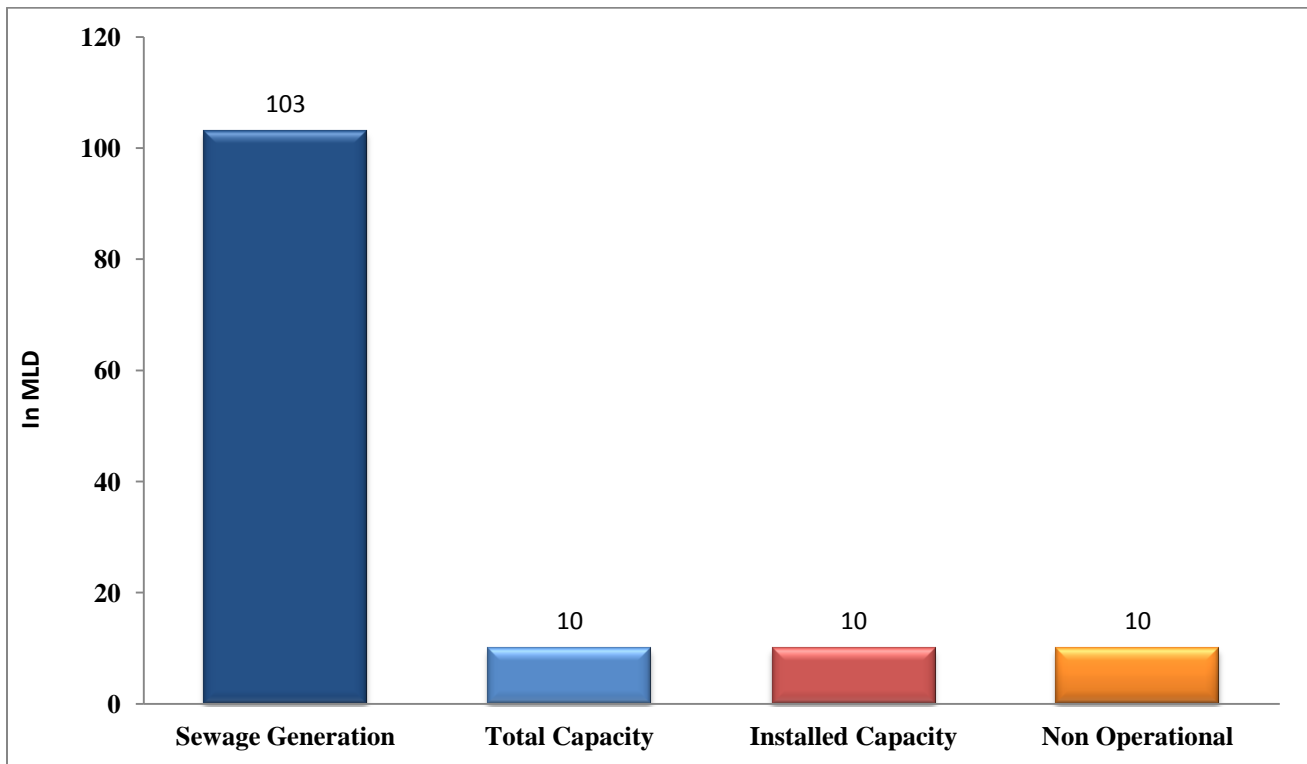


Figure 4.16: Sewage Generation and Treatment Capacity (MLD) - Mizoram

#### 4.23 STPs AT NAGALAND

Nagaland has no sewage treatment plant. Septic tanks are used for disposal of sewage.

#### 4.24 STPs AT NCT DELHI

Estimated sewage generation for the union territory of NCT Delhi is 3,330 MLD and total treatment capacity is 2,896 MLD (38 STPs). Figure 4.17 shows information on sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity and capacities of non operational STPs, under construction STPs and proposed STPs. Based on data analysis, following observations are made:

1. Installed capacity is 2,896 MLD (86.96 %) against sewage generation of 3330 MLD. It shows that there is gap in treatment capacity of 434 MLD (13.04 %).
2. Out of 2,896 MLD installed capacity developed, operationalized capacity is 2715 MLD (35 STPs) (93.75 %) and actual utilized capacity is 2412 MLD and further capacity of complied STPs is only 90 MLD.
3. ASP based treatment technology is predominant as compared to natural treatment system.

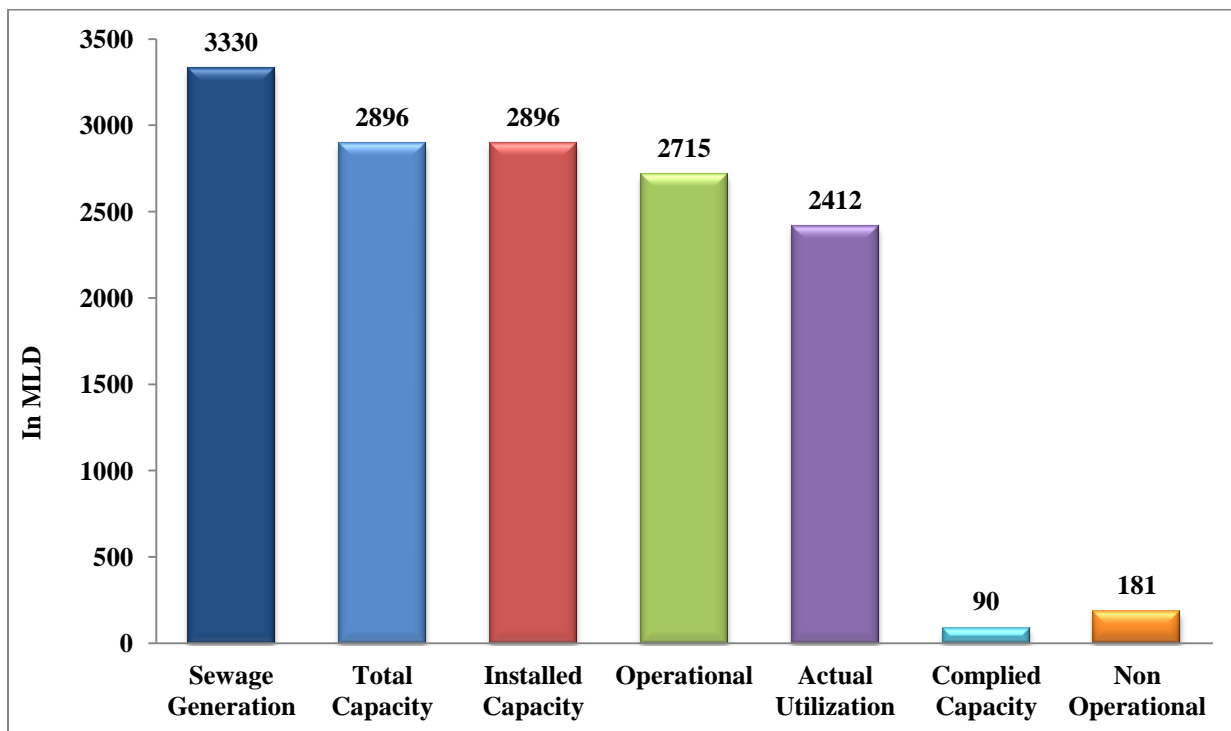


Figure 4.17: Sewage Generation and Treatment Capacity (MLD) – NCT Delhi

#### 4.25 STPs AT ODISHA

Estimated sewage generation for the state of Odisha is 1,282 MLD and total treatment capacity is 378 MLD (14 STPs). Figure 4.18 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 378 MLD (29.48 %) against sewage generation of 1,282 MLD. It shows that there is gap of 904 MLD (70.51 %) in treatment capacity.
2. Out of 378 MLD of installed capacity developed, operationalized capacity is 55 MLD (14.55 %) and actual utilized capacity is 50 MLD only.

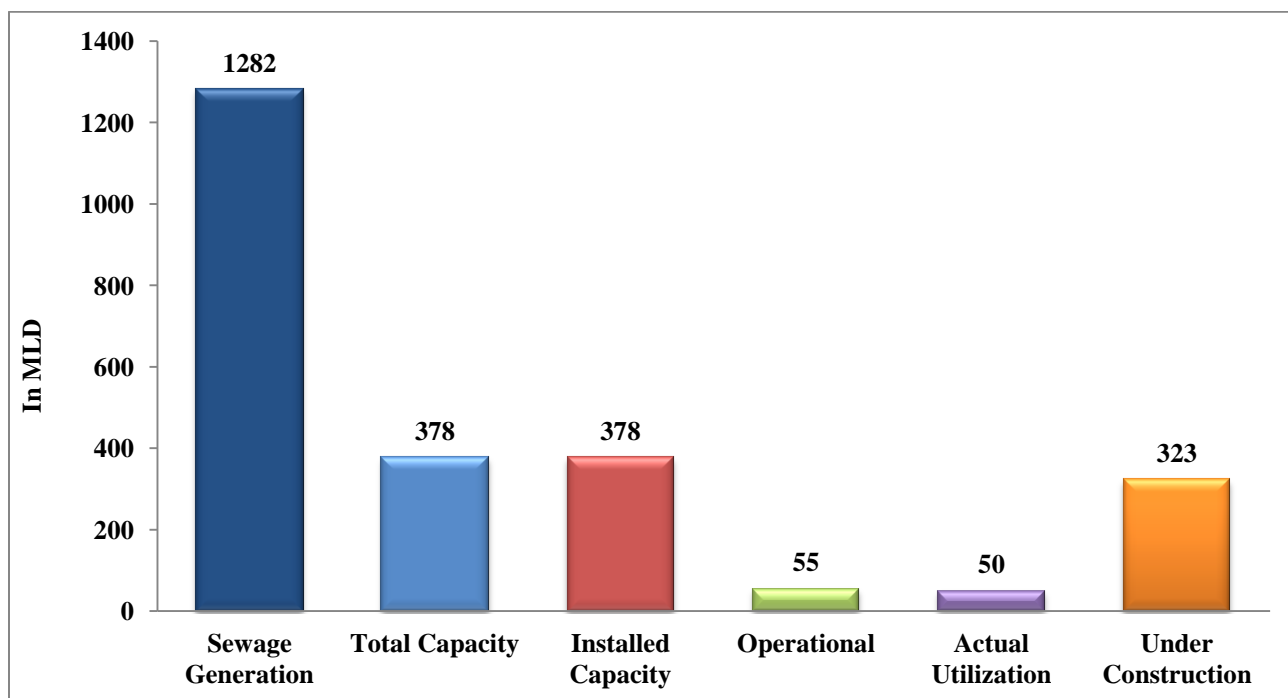


Figure 4.18 : Sewage Generation and Treatment Capacity (MLD) - Odisha



#### 4.26 STPs AT PUDUCHERRY

Estimated sewage generation for the State of Puducherry is 161 MLD and total treatment capacity (including proposed) is 59 MLD (04 STPs). Figure 4.19 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on data analysis, following observations are made:

1. Installed capacity is 56 MLD (34.79 %) against sewage generation of 161 MLD. It shows that there is gap of 105 MLD (65.21 %) in treatment capacity.
2. All the STPs installed can be operated at full capacity but actual utilized capacity is 30 MLD only.
3. STPs based on UASB technology are predominant as compared to other conventional treatment systems.

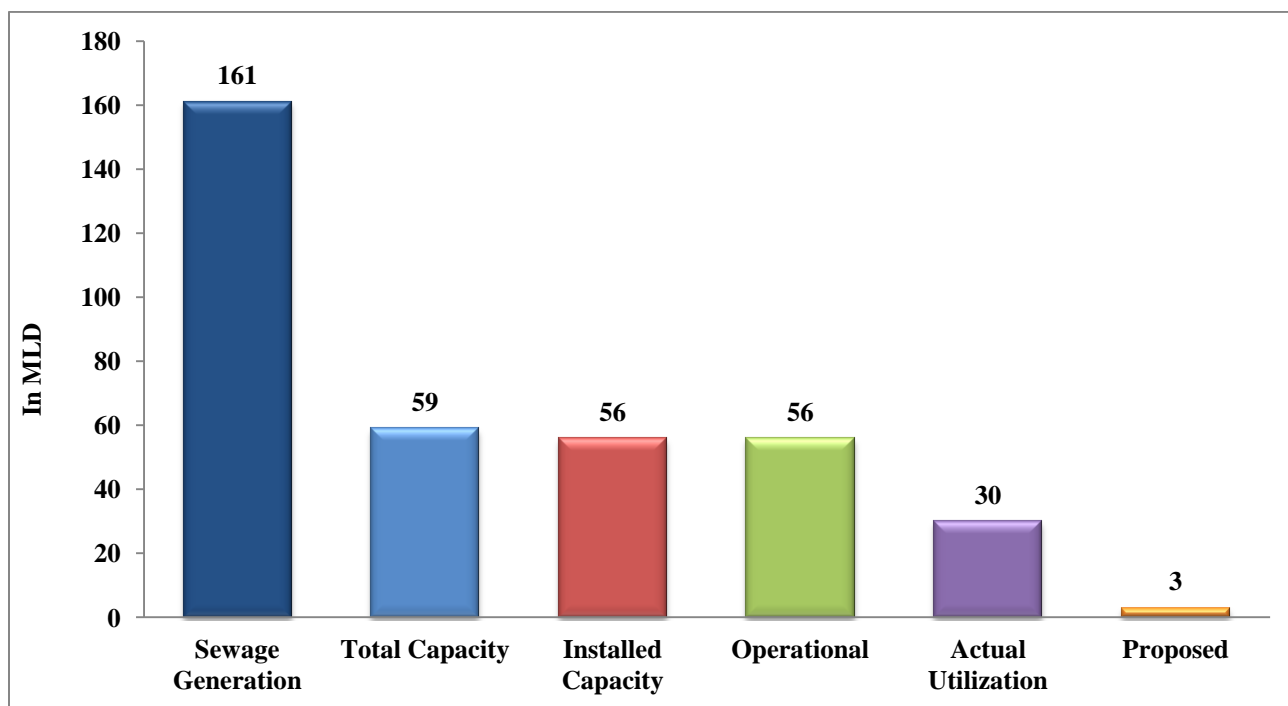


Figure 4.19: Sewage Generation and Treatment Capacity (MLD)

#### 4.27 STPs AT PUNJAB

Estimated sewage generation for the State of Punjab is 1,889 MLD and total treatment capacity is 1,781 MLD (119 STPs). Figure 4.20 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on data analysis, following observations are made:

1. Installed capacity is 1,781 MLD (94.28 %) against sewage generation of 1,889 MLD. It shows that there is gap of 108 MLD (5.72 %) in treatment capacity.
2. Out of 1781 MLD of installed capacity developed, operationalized capacity is 1601 MLD (89.89 %) and actual utilized capacity is 1,360 MLD (84.94 %). Further , the capacity of complied STPs is only 441 MLD.
3. SBR, MBBR and WSP based STPs are predominant as compared to other conventional treatment systems.

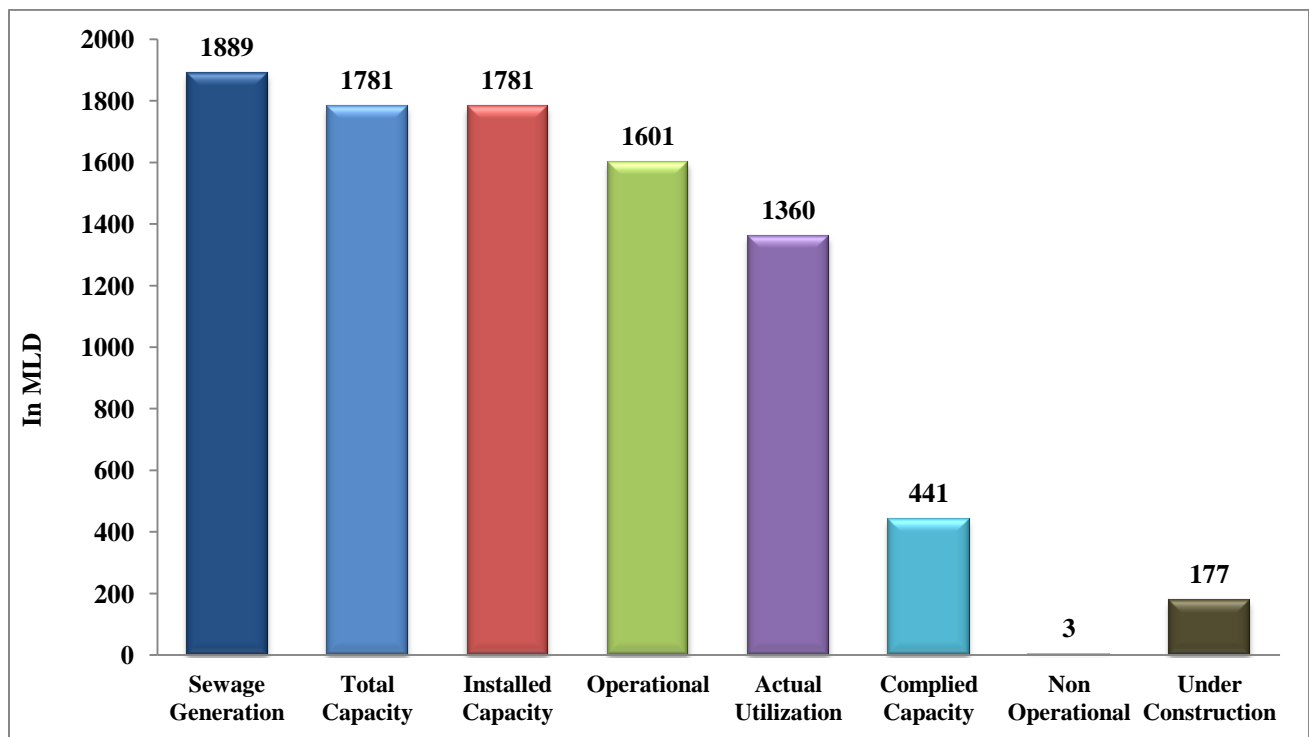


Figure 4.20: Sewage generation and Treatment Capacity (MLD) - Punjab

#### 4.28 STPs AT RAJASTHAN

Estimated sewage generation for the State of Rajasthan is 3,185 MLD and total treatment capacity (including proposed) is 1,195 MLD (140 STPs). Figure 4.21 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 1,086 MLD (34.10 %) against sewage generation of 3,185 MLD. It shows that there is gap of 2,099 MLD (65.90 %) in treatment capacity.
2. Out of 1086 MLD of installed capacity developed, operationalized capacity is 783 MLD (72.09 %) and actual utilized capacity is 478 MLD. Further, capacity of complied STPs is only 224 MLD.

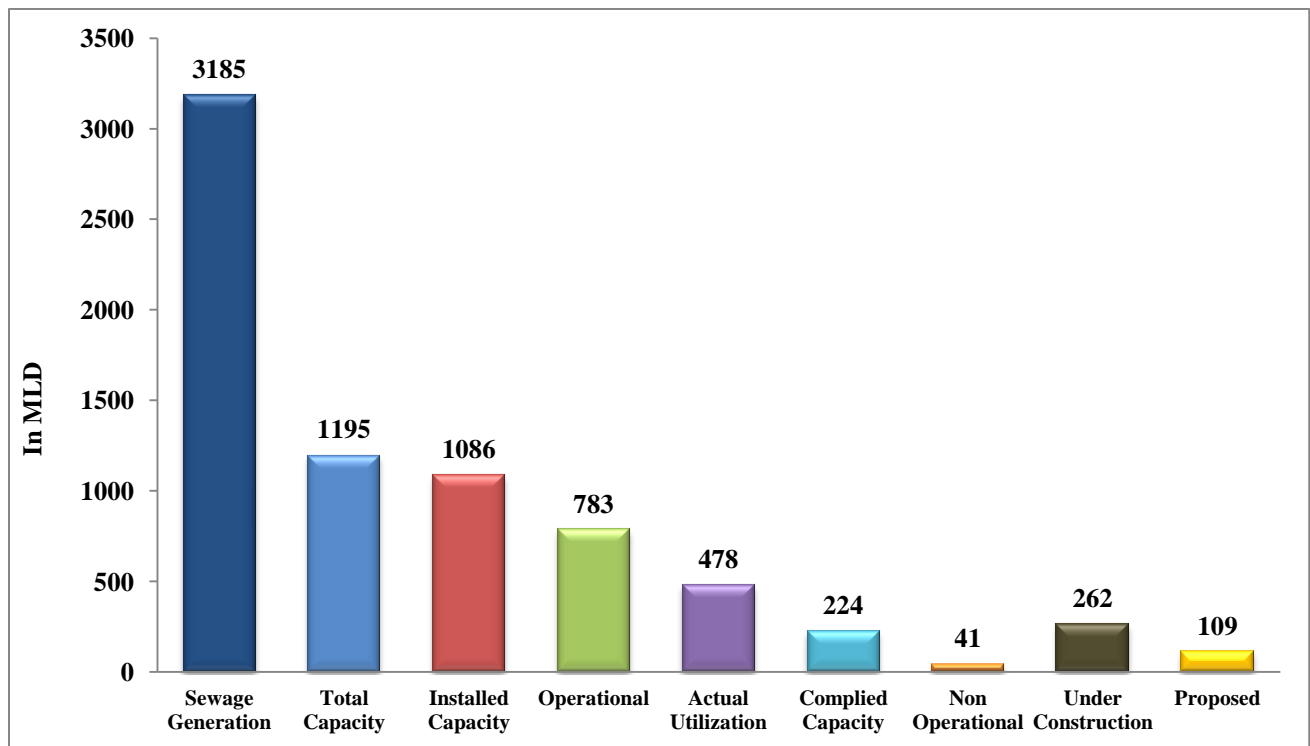


Figure 4.21: Sewage Generation and Treatment Capacity (MLD) - Rajasthan

#### 4.29 STPs AT SIKKIM

Estimated sewage generation in Sikkim is 52 MLD and total treatment capacity (including proposed) is 30 MLD (11 STPs). Figure 4.22 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the analysis, following observations are made:

1. Installed capacity is 20 MLD (38.46 %) against sewage generation of 52 MLD. It shows that there is gap of 32 MLD (61.54 %) in treatment capacity.
2. Out of 20 MLD of installed capacity developed, operationalized capacity is 18 MLD (90 %).
3. Similarly, actual utilized capacity is 14 MLD (77.77 %) out of 18 MLD of operational capacity.
4. STPs based on FAB and MBBR technologies are predominant as compared to natural treatment systems.

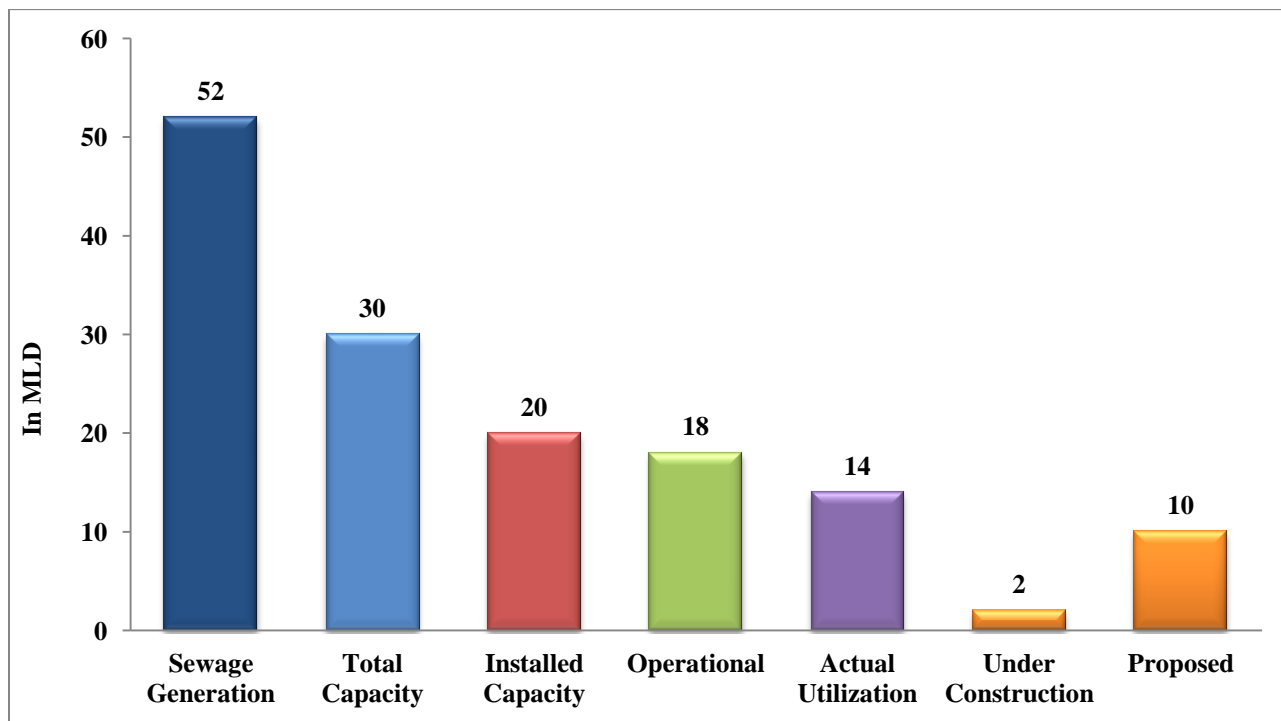


Figure 4.22 : Sewage Generation and Treatment Capacity (MLD) - Sikkim

### 4.30 STPs AT TAMIL NADU

Estimated sewage generation for the State of Tamil Nadu is 6,421 MLD and total treatment capacity is 1,492 MLD (63 STPs). Statistics on sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs are presented in Figure 4.23. Based on the data analysis, following observations are made:

1. Installed capacity is 1,492 MLD (23.23 %) against the sewage generation of 6421 MLD. It shows that there is gap of 4,929 MLD (76.77 %) in treatment capacity.
2. Out of 1,492 MLD of installed capacity developed, operationalized capacity is also 1,492 MLD (100 %) and actual utilized capacity is 995 MLD. Further, the capacity of complied STPs is only 1,368 MLD.
3. ASP technology based STPs are predominant as compared to natural treatment systems.

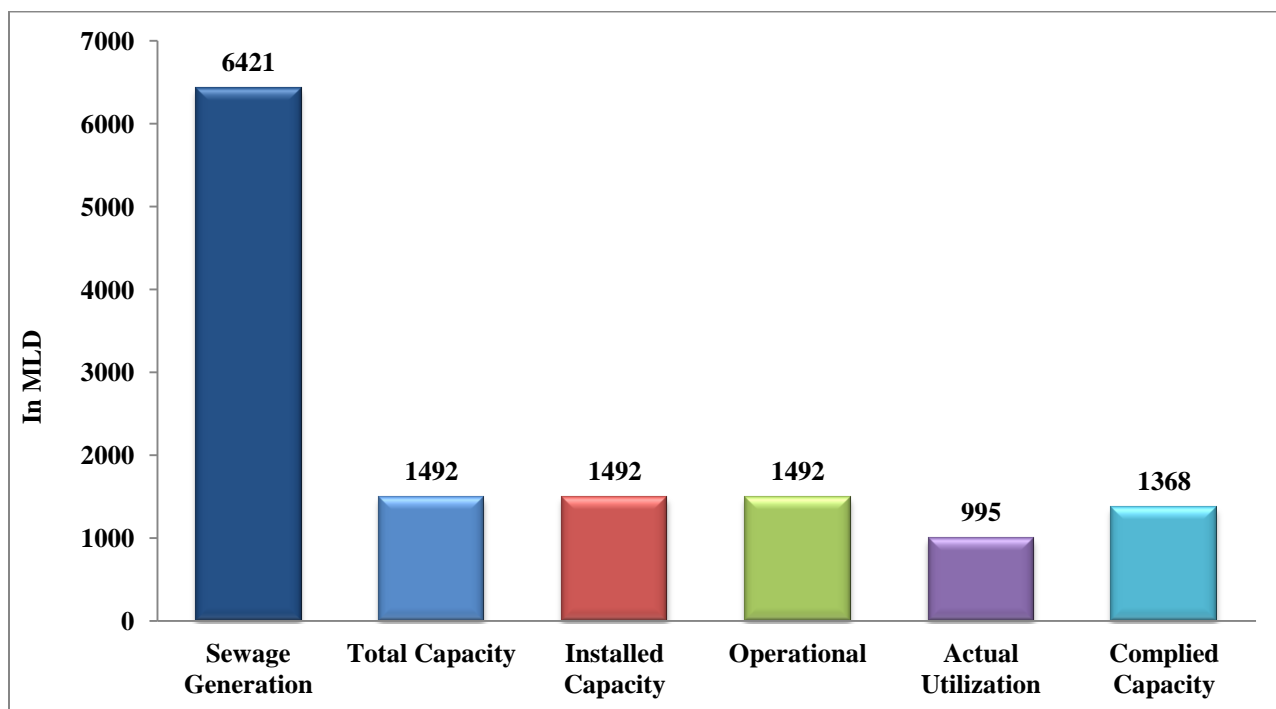


Figure 4.23: Sewage Generation and Treatment Capacity (MLD) - Tamilnadu

### 4.31 STPs AT TELANGANA

Estimated sewage generation for the State of Telangana is 2,660 MLD and total treatment capacity (including proposed) is 901 MLD (37 STPs). Figure 4.24 depicts sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 901 MLD (33.87 %) against sewage generation of 2,660 MLD. It shows that there is gap in treatment capacity of 1,759 MLD (66.13 %).
2. Out of 901 MLD of installed capacity developed, operationalized capacity is 842 MLD (93.45 %) and actual utilized capacity is 706 MLD. Further, the capacity of complied STPs is only 637 MLD.
3. STPs based on ASP and MBBR based technologies are predominant as compared to natural treatment systems.

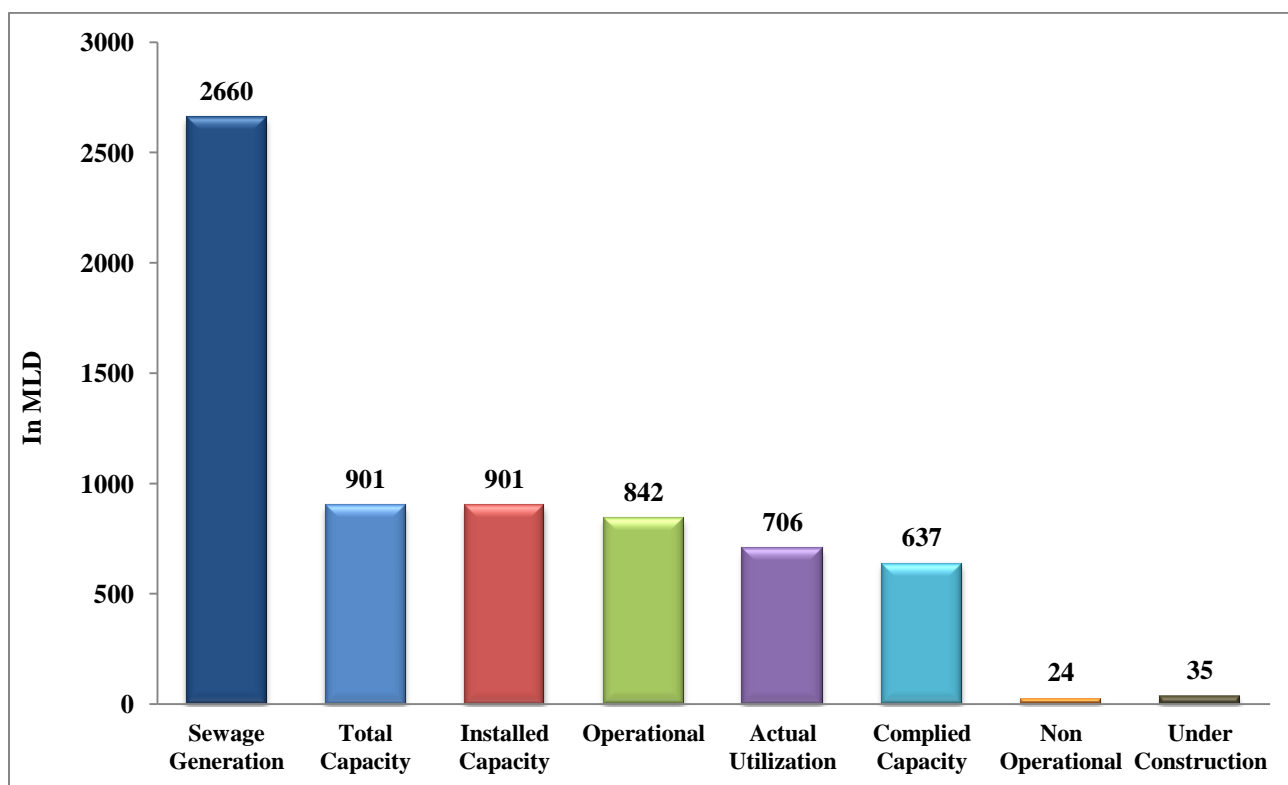


Figure 4.24: Sewage Generation and Treatment Capacity (MLD) – Telangana

#### 4.32 STPs AT TRIPURA

Estimated sewage generation for the State of Tripura is 237 MLD and total treatment capacity is 08 MLD (01 STP) only. Figure 4.25 depicts sewage generation, treatment capacity, operational capacity, actual utilization and complied capacity. Based on the data analysis, it is found that there is only one STP in the State which is receiving only 1.5 MLD of sewage and meeting the consented norms.

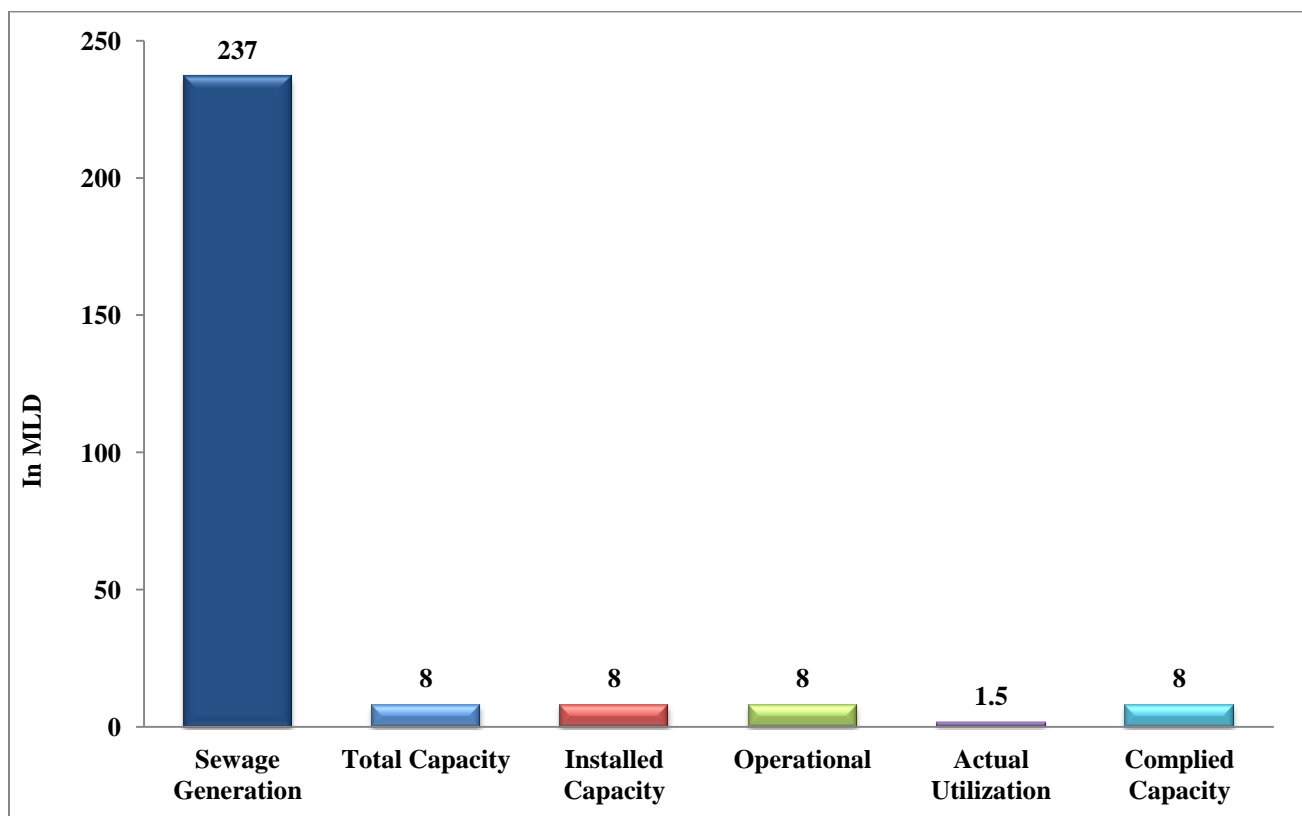


Figure 4.25 : Sewage Generation and Treatment Capacity ( MLD) – Tripura

### 4.33 STPs AT UTTAR PRADESH

Estimated sewage generation for the State of Uttar Pradesh is 8,263 MLD and total treatment capacity is 3,374 MLD (107 STPs). Figure 4.26 depicts sewage generation, treatment capacity; operational capacity, actual utilization, complied capacity and capacity of non operational STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 3,374 MLD (40.83 %) against sewage generation of 8,263 MLD. It shows that there is gap of 4,889 MLD (59.17 %) in treatment capacity.
2. Out of 3,374 MLD of installed capacity developed, operationalized capacity is 3,224 MLD (95.55 %) and actual utilized capacity is 2,510 MLD (77.85 %). Further, capacity of complied STPs is only 2,114 MLD.
3. STPs based SBR, UASB and ASP technologies are predominant as compared to natural treatment systems.

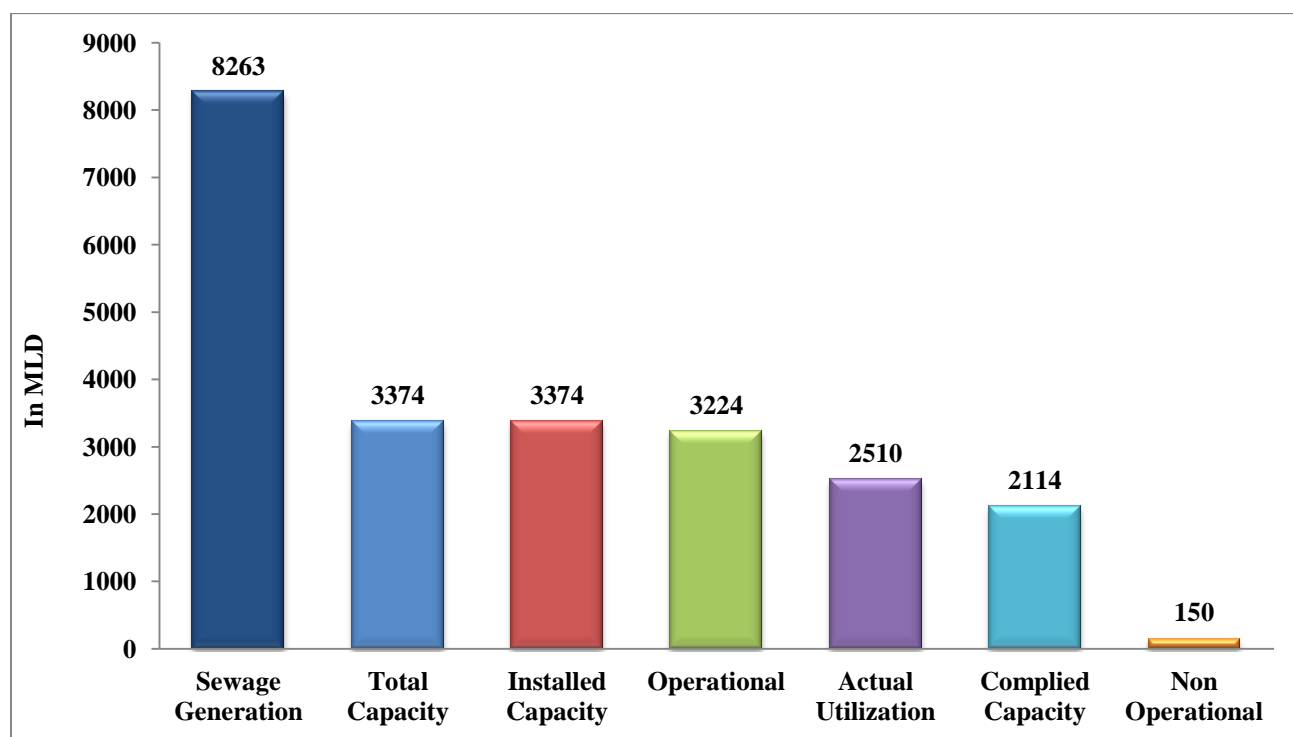


Figure 4.26: Sewage Generation and Treatment Capacity (MLD) - Uttar Pradesh



#### 4.34 STPs AT UTTARAKHAND

Estimated sewage generation for the State of Uttarakhand is 627 MLD and total capacity (including proposed) is 515 MLD (81 STPs). Figure 4.27 represents statistics on sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacity of non operational STPs, under construction and proposed STPs. Based on the dataanalysis, following observations are made:

1. Installed capacity is 448 MLD (71.45 %) against sewage generation of 627 MLD. It shows that there is gap of 179 MLD (28.55 %) in treatment capacity.
2. Out of 448 MLD of installed capacity developed, operationalized capacity is 345 MLD (77 %) and actual utilized capacity is 187 MLD. Further, capacity of complied STPs is only 345 MLD.

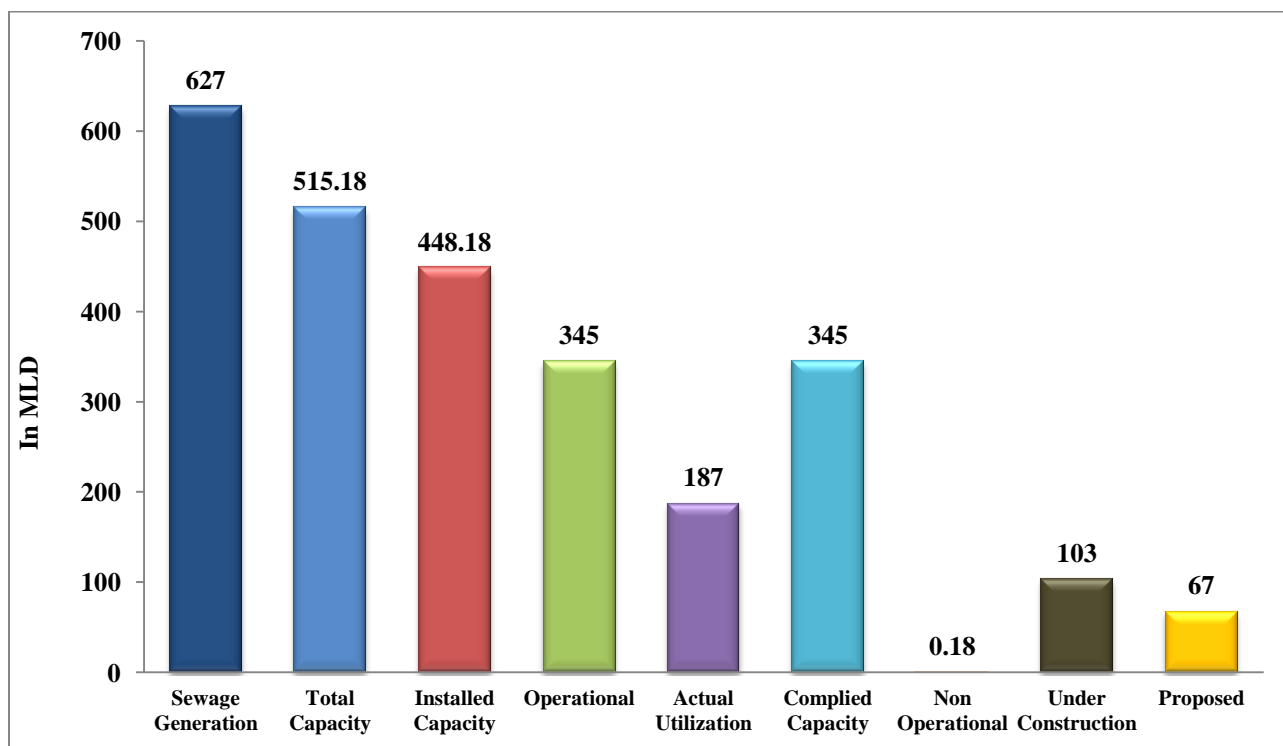


Figure 4.24: Sewage Generation and Treatment Capacity (MLD) - Uttarakhand

#### 4.35 STPs AT WEST BENGAL

Estimated sewage generation for the State of West Bengal is 5,457 MLD and total capacity (incl. proposed) is 1,202 MLD (65 STPs). Figure 4.26 represents statistics on sewage generation, treatment capacity, operational capacity, actual utilization, complied capacity, capacities of non operational STPs, under construction STPs and proposed STPs. Based on the data analysis, following observations are made:

1. Installed capacity is 897 MLD (16.43 %) against the sewage generation of 5,457 MLD. It shows that there is gap of 4,560 MLD (83.57 %) in treatment capacity.
2. Out of 897 MLD of installed capacity developed, operationalized capacity is 337 MLD (37.56 %) and actual utilized capacity is 213 MLD (63.20 %). Further, capacity of complied STPs is only 126 MLD.

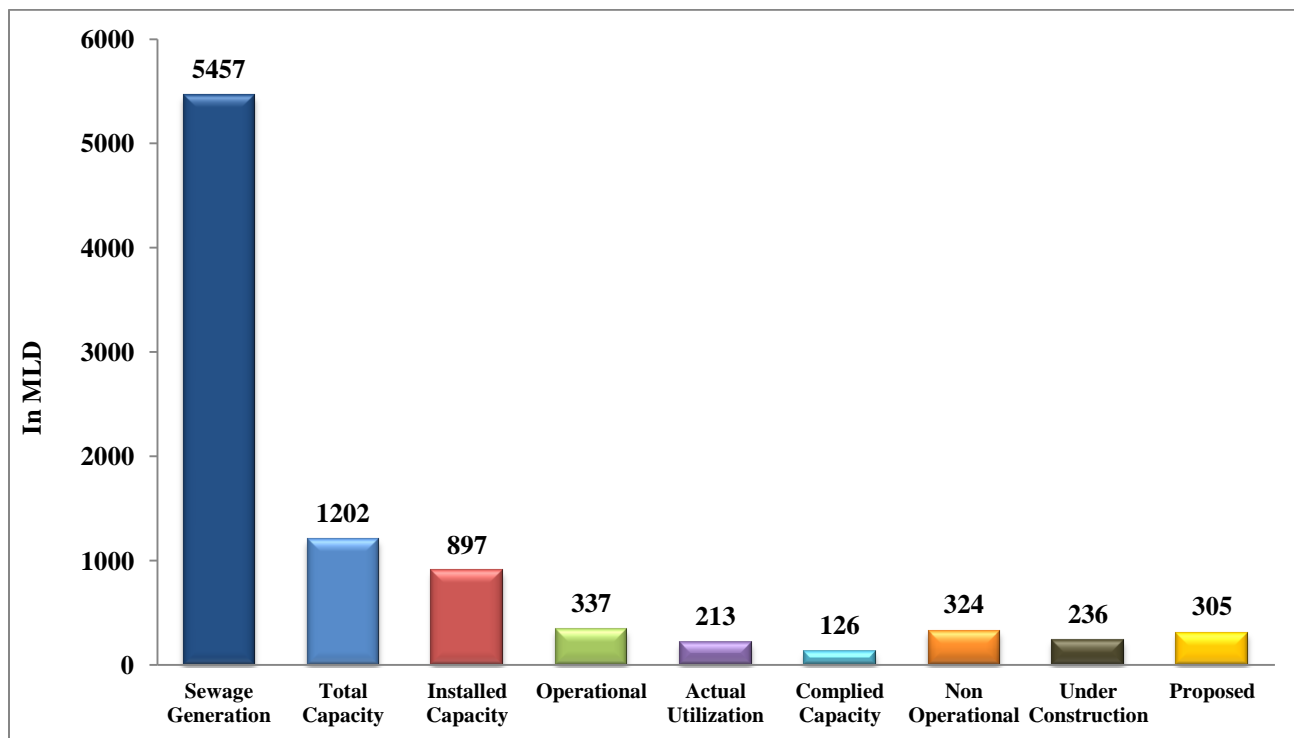


Figure 4.26: Sewage Generation and Treatment Capacity (MLD) - West Bengal

## Chapter 5

### Major Findings and Way Forward

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#### 5.1 MAJOR FINDINGS

Information received from the SPCBs on STPs are collated and compiled and analysis of data are carried out with respect to installed capacity, operational capacity, actual utilization and technological adopted along with compliance status. Observations are as follows :

1. Sewage generation estimated to 72,368 MLD whereas installed treatment capacity is 31841 MLD (43.9 %). Out of 31,841 MLD installed capacity developed, operationalized capacity is 26,869 MLD (84 %).
2. Similarly, actual utilized capacity is 20,235 MLD (75 %) out of 26,869 MLD operational capacity. This is due to lack of infrastructure for conveyance system (Household connectivity, sewer lines, Sewage pumping stations).
3. STPs based on various treatment technologies are installed by the States which ranges from conventional to advanced technologies.
4. STPs based on Sequential Batch Reactor (SBR) treatment technology are installed and predominate in most of the States / UTs. This is followed by ASP technology based STPs. In total, 490 STPs are designed on SBR technology followed by 321 STPs designed on Activated Sludge Process (ASP).

5. 76 STPs are based on Upflow- Anaerobic Sludge Blanket (UASB) technology.
6. Apart from conventional treatment technologies, STPs based on natural treatment systems are also established all over the country. 67 STPs are based on Waste Stabilization Pond system and 61 STPs belong to the category of Oxidation Ponds.
7. States of Maharashtra, Gujarat, Uttar Pradesh, NCT of Delhi and Karnataka are the top 5 States which have installed significant sewage treatment facilities. These 5 States jointly contribute to 19, 250 MLD i.e. 60.5 % of the total installed treatment capacity of the country.
8. In addition to 1 above, States of Haryana, Madhya Pradesh, Punjab, Tamil Nadu and Rajasthan i.e. these 10 States contribute to the tune of 86 % (approx..) towards total installed treatment capacity.
9. Arunachal Pradesh, Andaman & Nicobar Islands, Lakshadweep, Manipur, Meghalaya and Nagaland have not installed sewage treatment plants.
10. 08 States / UTs (Gujarat, Himachal Pradesh, Kerala, Pondicherry, Sikkim, Chandigarh, Chhattisgarh, Madhya Pradesh) has not provided the status of compliance.
11. Considering, treatment capacity developed per capita, Chandigarh (240 lpcd), Haryana (184 lpcd), NCT of Delhi (151 lpcd), Punjab (141 lpcd) and Maharashtra (115 lpcd) have higher treatment capacity. 29 States / UTs have treatment capacity of less than 100 lpcd.
12. State of Maharashtra has highest installed treatment capacity as well as highest complied treatment capacity. However, per capita installed capacity is maximum observed in UT of Chandigarh (240 lpcd) whereas Maharashtra is having per capita treatment capacity of 115 lpcd.
13. State of Haryana has the maximum complied per capita treatment capacity (142 lpcd) whereas Maharashtra is having complied per capita treatment capacity of 58 lpcd.
14. NCT of Delhi has the fourth highest treatment capacity of 2896 MLD and per capita treatment capacity is 151 lpcd (3<sup>rd</sup> highest) whereas complied treatment capacity is only 4 lpcd.

## 5.2 WAY FORWARD

1. Considering the rapid urbanization and sewage generation , there is need to bridge the existing gap in sewage treatment. Apart from filling the gap, there is also need to synchronize future requirement of treatment capacity.
2. As, it is found that utilization of existing infrasturtre is only 75 % of operationalized treatment capacity and thereby, it is suggested that sewerage conveyance system which include laying of sewer line, individuals households sewer connections require to be strenghthen considering existing and future demand.
3. With respect to compliance requirement, it is found that only 23 % of treatment capacity is meeting the consented parameters of SPCBs / PCCs. In view of this , there is also needed to have focus on operation and maintenance of treatment facility so that STPs meet desired quality of treatment.
4. ULBs shall focus on uilization of treated sewage for non potable purposes like horticulture, irrigation, fire fighting, industrial cooling , toilet flushing, non-contact impoundments and washing (floors, roads, buses , trains etc.).
5. Treated sewage shall also be provided to industrial clusters / zones so that industrial zone shall treat further as per their requirement and utilize the same.

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Name of the State -

**INVENTORIZATION OF SEWAGE TREATMENT PLANTS (As of 30.06.2020)**

Sl. No	City/Town	Location of STP with Coordinates (Latitude and Longitude, If available)	Date of Commissioning	Status (Operational / Non-Operational / Under Construction)	Installed Capacity of STP (in MLD)	Actual Utilization of installed Capacity (in MLD)	Technology (UASB / ASP / OP / SBR / MBR/ FAB Etc.)	Use of treated sewage with Quantity	Compliance Status (Comply / Non-comp / Partially Comply.)

## ANNEXURE-II

**RECOMMENDED NORMS BY CPHEEO FOR TREATED SEWAGE QUALITY FOR SPECIFIED ACTIVITIES AT POINT OF USE**

Recommended norms of treated sewage quality for specified activities at point of use										
Sl. No.	Parameter	Toilet flushing	Fire protection	Vehicle Exterior washing	Non-contact impoundments	Landscaping, Horticulture & Agriculture				
						Horticulture, Golf course	Crops			
							Non edible crops	crops which are eaten		
							Raw	Cooked		
1	Turbidity (NTU)	<2	<2	<2	<2	<2	AA	<2	AA	
2	SS	nil	nil	nil	nil	nil	30	nil	30	
3	TDS	2100								
4	pH	6.5 to 8.3								
5	Temperature °C	Ambient								
6	Oil & Grease	10	nil	nil	nil	10	10	nil	nil	
7	Minimum Residual Chlorine	1	1	1	0.5	1	nil	nil	nil	
8	Total Kjeldahl Nitrogen as N	10	10	10	10	10	10	10	10	
9	BOD	10	10	10	10	10	20	10	20	
10	COD	AA	AA	AA	AA	AA	30	AA	30	
11	Dissolved Phosphorous as P	1	1	1	1	2	5	2	5	
12	Nitrate Nitrogen as N	10	10	10	5	10	10	10	10	
13	Faecal Coliform in 100 ml	nil	nil	nil	nil	nil	230	nil	230	
14	Helminthic Eggs/ litre	AA	AA	AA	AA	AA	<1	<1	<1	
15	Colour	Colourless	Colourless	Colourless	Colourless	Colourless	AA	Colourless	Colourless	
16	Odour	Aseptic which means not septic and no foul odour								
All units in mg/l unless specified; AA-as arising when other parameters are satisfied; A tolerance of plus 5% is allowable when yearly average values are considered.										

## ANNEXURE-III

STATE-WISE DETAILS OF STPS AS PER PROFORMA  
ANDHRA PRADESH

Sl. No	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Visakhapatnam	Mudasarlova, Hanumantuwaka	April'2008	Operational	13	6.5	Activated Sludge Process	To golf club play ground	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
2		Appughar, Santhi Asramam	Sep. 2010	Operational	25	23	Activated Sludge Process	To sea	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
3		Laxmi talkies Gnanapuram PS	Mar.2019	Operational	38	23.4	Activated Sludge Process	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
4		Anakapalle (Storm Water Drainage Treatment Plant )	Apr-18	Operational	15	5	Activated Sludge Process	To Municipal Drain	Complied
5		Narava, Viman nagar PH	Aug-01	Operational	54	19.6	Activated Sludge Process	To GVMC Drain	Complied
6		Madinabagh Adiesent at Steel plant	Apr-18	Operational	2	0.4	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
7		Yathapalem APIIC Area ,Gajuwaka Gangavaram	April'2008	Operational	2.5	--	Fluidized Aerobic Bed Reactor	To GVMC Drain	Non complying.



Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
8	Visakhapatnam	Srinagar,Gajuwaka Area of Zone-V	April'2008	Operational	0.5	0.2	Fluidized Aerobic Bed Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
9		Mantripalem Near Lankelapalem	April'2008	Operational	1	0.35	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
10		Rathi Cheruvu Pendurthi	Sep-19	Operational	2	1	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
11		Kommadi, Madhurawada	Aug' 2018	Operational	4	2.8	Moving Bed Biofilm Reactor	To GVMC Drain	Complied
12		Bakkannapalem Madhurawada	Aug-11	Operational	1	0.6	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
13		Marikavalasa Madhurawada Zone-I Area	Dec-12	Operational	2	1.5	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
14		VAMBAY Colony	Aug' 2011	Operational	3	2	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
15		YSR Nagar, Madhurawada Zone-I Area	Aug' 2011	Operational	2	1.3	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.

Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
16		Boyapalem Paradesipalem Madhurawada	Aug-11	Operational	1	0.7	Moving Bed Biofilm Reactor	To GVMC Drain	Non complying. A letter was communicated on 07.03.2020 for effective operation of the STP to meet to the specified standard.
17	Visakhapatnam	Karnavanipalem Gajuwaka, APIIC Colony, Ward No.51	Dec-19	No Operational	5	--	Moving bed bio film reactor	--	Non-operational
18		Aganampudi Gajuwaka Area, Nr.Duvvada, Ward No.57	Dec-15	No Operational	6	--	Moving bed bio film reactor	--	Non-operational
19	East Godavari	Hukumpet	Mar-09	Operational	30	30	UASB	Treated water for grass fields	Complied
20	Krishna	Ajith Singh Nagar	May-11	Operational	40	39.52	UASB	Budameru canal	Partially comply. The outlet of the STPs meet the standards except BOD
21		Ajith Singh Nagar	May-12	Operational	20	20	UASB	Budameru canal	Partially comply. The outlet of the STPs meet the standards except BOD
22		Ramalingeswar Nagar	Jun-12	Operational	20	19.74	UASB	Krishna River	Partially comply. The outlet of the STPs meet the standards except BOD
23		Ramalingeswar Nagar	Oct. 2006	Operational	10	9.8	Extended Aeration System	Krishna River	Partially comply. The outlet of the STPs meet the standards except BOD
24		Autonagar Nagar (Old)	Mar-05	Operational	10	9.7	Extended Aeration System	Guntatippa drain	Partially comply. The outlet of the STPs meet the standards except BOD
25		Jakkampudi	Jul-17	Operational	20	13.5	UASB	Budameru canal	Partially comply. The outlet of the STPs meet the standards except BOD

Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
26	Krishna	Autonagar Nagar (New)	Dec-18	Operational	10	9.8	Moving bed bio film reactor	Guntatippa drain	Partially comply. The outlet of the STPs meet the standards except BOD
27	Guntur District	Tadepalli Municipality (STP - 0.2 MLD), Mahanadu Road No. 19 Tadepalli,	2019	Operational	0.2	0.2	Sequential Batch Reactor	Used for greenery	Partially complied
28		Tadepalli Municipality (STP - 0.2 MLD), Mahanadu Road No. 07 Tadepalli, Guntur District	2019	Operational	0.2	0.2	Sequential Batch Reactor	Used for greenery	Partially complied
29		Narasaraopet Municipality (STP - 15.55 MLD), Near Compost Yard, Narasaraopet (V&M), Guntur District.	2019	Operational	15.55	8.5	Activated Sludge Process	Used for greenery	Partially complied
30	Nellore	Janardhanreddy Colony	Dec-19	Operational	5	3	Activated Sludge Process	Used for greenery	Complying
31	Kurnool	Tungabhadra Pump House STP Kurnool Municipal Corporation	Mar-18	Operational	0.8	0.8	Soil bio-technology	For Horticulture 0.7	Complied
32	Kurnool	Sankal Bagh STP Kurnool Municipal Corporation	Mar-19	Operational	0.8	0.8	Soil bio-technology	For Horticulture 0.7	Complied
33		Jammichettu STP Kurnool Municipal Corporation	Mar-20	Operational	0.8	0.8	Soil bio-technology	For Horticulture 0.7	Complied

Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR /FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
34	Chittoor	Municipal corporation, Tirupati	1999	Operational	50	36	Aerobic Oxidation ponds	The treated waste water is being taken by M/s. Sri Kalahasti pipes Ltd of about 3.0 MLD for industrial purpose and 33.0 MLD treated effluents are being disposed to nearby Isuka vagu from there by farmers are using for agricultural purpose.	Partially Complied
35	Kurnool	Sri Bramaramba Maliikarjuna varla Devasthanam,	Feb-17	Operational	6	4.7	Soil biotechnology	Reuse of treated waste water is not planned. The treated sewage is being disposed on the land. Adjoining River Krishna is approximately 1.2 KM away from STP site.	Complied
36	Kadappa	Nanepalli	Aug-12	Operational	20	4	Waste stabilization ponds	For green belt development	Complied
37	Kadappa	Pulivendula	Jan-09	Operational	6.5	2	Oxidation pond system	For green belt development	Complied
38	Ananthapur	CP Colony, Tadipatri	Oct-10	Operational	8	6.5	Waste stabilization ponds	Partially used for green belt development	Complied

Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
39		Yellanur, Tadipatri	Oct-10	Operational	3.5	1.5	Waste stabilization ponds	Partially used for green belt development	Complied
40		Sai Nagar, Puttaparthi	-	No Operational	0.5	--	Oxidation Ponds	--	Non-operation
41		Gokulam, Puttaparthi	-	Under Rehabilitation	0.5	--	--	--	Non-operation
42		Prasanth Gram, Puttaparthi	-	Under Rehabilitation	0.5	--	--	--	Non-operation
43	Srikakulam	Srikakulam	31.03.2022	Under construction	10		Sequential Batch Reactor		
44	Vizianagaram	Vizianagaram		Under construction	5				
45	Visakhapatnam	Visakhapatnam		Under construction	54		ASP		
46	Bhimavaram	Bhimavaram		Under construction	5				
47	Tanuku	Tanuku		Under construction	5				
48	Eluru	Eluru		Under construction	5				
49	Vijayawada	Jakkampudi, Vijayawada		Under construction	20				
50	Guntur Rural, Guntur	Gorantla		Under construction	10				
51	Guntur	Reddypalem		Under construction	20				
52		Etukuru Road		Under construction	28				
53		Suddapalli Donka		Under construction	42				
54		Montigetu Donka, Near Railway Track		Under construction	27				

Sl. No .	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR /FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
55		Tenali		Under construction	2				
56		Tenali		Under construction	10				
57		Chilakaluripet		Under construction	5				
58		Near Keerthi Estate, Ashramam Road, Tadepalli		Under construction	0.2				
59	Prakasam	Ongole		Under construction	15		MBR		
60	Nellore	Allipuram		Under construction	55		ASP		
61		Drivers Colony		Under construction	11		ASP		
62		Pottepalem		Under construction	20		ASP		
63		Kavali		Under construction	15		ASP		
64	Chittoor	Srikalahasthi		Under construction	7		SBR		
65	Madanapalle	Madanapalle		Under construction	5				
66	Annamayya Bhawan	Near Annamayya Bhawan, Back side in Tirupati town		Under construction	1				
67	Kadapa	Kadapa Municipal Corpn.		Proposed	20				

## BIHAR

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Patna	Pahari	Dec-20	Under construction Physical Progress-53.00% (60 MLD)	60	--	SBR	Not applicable as STP is not commissioned till date	Not applicable as STP is not commissioned till date
2		Beur	Aug.-20	Under construction Physical Progress-99.00% (43 MLD)	43	--	SBR	Not applicable as STP is not commissioned till date	Not applicable as STP is not commissioned till date
3		Karmalichak	Completed	Physical Progress-100% Trial started (37 MLD)	37	--	SBR	DPR under preparati on	--
4		Saidpur	Jan-21	Under construction Physical Progress-93.00% (60 MLD)	60	--	SBR	Not applicable as STP is not commissi oned till date	Not applicable as STP is not commissi oned till date
5		Digha	Dec-22	Survey work is completed, for sewerage network, design under progress. (100 MLD)	100	--	ASP	Not applicable as STP is not commissi oned till date	Not applicable as STP is not commissi oned till date
6		Kankarbagh	Dec-22	Design and drawing under progress. (50 MLD)	50	--	ASP	Not applicable as STP is not commissi oned till date	Not applicable as STP is not commissi oned till date
7		Danapur	Dec-21	The decision to re-tender shall be taken up in coming BUIDCo Board meeting. (25 MLD)	25	--	Not yet finalized	Not applicable	Not applicable
8		Maner	Jun-21	Agreement executed with successful bidder. (6.5 MLD)	6.5	--	SBR	Not applicable	Not applicable

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational/ Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
9	Patna	Fatuha	Jun-21	The decision to re-tender shall be taken in up in coming BUIDCo Board meeting. (7 MLD)	7	--	Not yet finalized	Not applicable	Not applicable
10		Barh	Dec-20	Physical Progress-37.00% (11 MLD)	11	--	SBR	Not applicable	Not applicable
11		Bakhtiyarpur	Jun-21	Agreement executed with successful bidder. (10 MLD)	10	--	SBR	Not applicable	Not applicable
12		Phulwarisharif	Dec-21	The decision to re-tender shall be taken up in coming BUIDCo Board meeting. (13 MLD)	13	--	Not yet finalized	Not applicable	Not applicable
13	Lakhisarai	Mokama	Dec-20	DPR is under preparation by NEERI (8 MLD)	8	--	SBR	Not applicable	Not applicable
14	Vaishali	Hajipur	Dec-22	Two Bids received. Financial bid is opened and under decision with respect to legal opinion received and sent to BUIDCo for necessary action. (22 MLD)	22	--	Not yet finalized	Not applicable	Not applicable
15	Saran	Chhapra	Dec-21	Physical Progress-5.00% (32 MLD)	32	--	SBR	Not applicable	Not applicable
16	Vaishali	Sonepur	Dec-20	Physical Progress-15.00% (3.5 MLD)	3.5	--	SBR	Not applicable	Not applicable
17	Begusarai	Begusarai	Jun-22	Survey work is completed, Physical Progress- 5.00%. (17 MLD)	17	--	SBR	Not applicable	Not applicable



Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational/ Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
18	Buxar	Buxar	Dec-22	Observations of NMCG and World Bank have been received the same are being complied by BUIDCo. (16 MLD)	16	--	Not yet finalized	Not applicable	Not applicable
19	Munger	Munger	Dec-22	Agreement executed with successful bidder. (30 MLD)	30	--	SBR	Not applicable	Not applicable
20	Bhagalpur	Sultanganj	Dec-20	Physical Progress-26.00% (10 MLD)	10	--	MBR	Not applicable	Not applicable
21	Bhagalpur	Bhagalpur	Jun-22	Proposal of BUIDCo for hiring of new consultant for DPR correction has been approved by SPMG and same submitted to NMCG vide BGCMS letter no- 165 dated: 08.04.2020. (45 MLD)	45	--	Not yet finalized	Not applicable	Not applicable
22	Bhagalpur	Naugachia	Dec-20	Physical Progress-15.00% (9 MLD)	9	--	SBR	Not applicable	Not applicable
23	Khagaria	Khagaria	Dec-21	Three Bids received. Bid Evaluation under progress. (4.5 MLD)	4.5	--	Wetland technology	Not applicable	Not applicable
24	Lakhisarai	Barahiya	Dec-21	Three Bids received. Bid Evaluation under progress. (6 MLD)	6	--	Not yet finalized	Not applicable	Not applicable
25	Bhagalpur	Kahalgaon	Jun-22	Three Bids received. Bid Evaluation under progress. (6 MLD)	6	--	Not yet finalized	Not applicable	Not applicable

## CHANDIGARH

Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Chandigarh	Diggian Mohali	2010	Operational	136.2	102.15	MBBR	Drains ultimately leads into river Ghaggar	Falls under the jurisdiction of PPCB
2		Raipur Khurd	2006	Operational	5.67	5.67	ASP	Drains ultimately leads into river Ghaggar	Consent to Operate obtained
3		Raipur Kalan	2007	Operational	22.7	22.7	UASB	Drains ultimately leads into river Ghaggar	Consent to Operate obtained
4		3 BDR Phase I	2008	Non-Operational	22.7	0	UASB	Drains ultimately leads into river Ghaggar	Consent under process
5		3 BDR Phase II	2013	Operational	49.94	31.78	SBR	Drains ultimately leads into river Ghaggar	Consent obtained
6		Dhanas	2013	Operational	34.05	34.05	SBR	Drains ultimately leads into river Ghaggar	Consent obtained
7		Maloya	2019	Operational	22.7	11.35	SBR	Drains ultimately leads into river Ghaggar	Consent obtained

## CHHATTISGARH

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP/OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Bilaspur	Chilhati	13-04-2013	Operational	17	2.5	ASP	River	
2	Bilaspur	Domuhani	03-01-2018	Operational	54	1.5	ASP	River	
3	Kawardha	Near Mini Mata Chowk	2013	Operational	2.1	1.65	ASP	River	

## DAMAN DIU & DADARA NAGAR HAVELI

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational/Non-Operational/Under Construction/Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ASP/OP/SBR/MBR/FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/Non-comply/Partially Comply)
1	Silvassa	Silvassa	19.01.2019	Operational	13	1.2	SBR	Cleaning of Roads, Flushing of Storm Water Drainage and Compaction of Pipeline Trenches (Approx. Quantity being utilised 24 KLD)	Complied
2	Daman	Daman	24.02.2018	Operational	4.21	1.1	SBR	Watering the fort periphery garden	Complied
3	Diu	Diu		Operational	7	4.5	SBR	Watering for Gardens, Cleaning of Roads, Flushing of Storm Water Drainage etc. (Approx. Quantity being utilised 24 KLD)	Complied

## GOA

Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Vasco	Katem Baina Mormugo	30.09.2017	Operational	20	8	SBR	Nullah / Sea	Comply
2	Navelim	Shirvodem Navelim	28.06.2017	Operational	20	14	SBR	Nullah / River	Comply
3	Bambolim	Goa Medical College Bambolim	2009	Operational	1.35	0.7	SBR	Used for Gardening	Comply
4	Durbhat	Durbhat Ponda	29.09.2017	Operational	1	0.4	SBR	River	Comply
5	Sanquelim	Sanquelim	20.03.2020	Operational	0.8	0.8	SBR	Nallah	Comply
6	Sancaole	Sancaole Cortalim	2017	Operational	1	1	NTS	Nallah	Comply
7	Ponda	Vrudavan Society Ponda	2014	Operational	0.1	0.08	NTS	Used for social forest	Comply
8	Porvorim	DTE Porvorim	2015	Operational	0.08	0.05	NTS	Used for Gardening	Comply
9	Santa Cruz	Santa Cruz Bardez	2015	Operational	0.025	0.017	MBR + MBBR	Used for Gardening	Comply
10	Quela	Quela Ponda		Under Construction	15	0	SBR		
11	Colva	Colva		Under Construction	7.5	0	SBR		
12	Undir	Undir Eandora Ponda		Proposed	15	0	SBR		
13	Curti	Curti Ponda		Proposed	8	0	SBR		
14	Porvorim	Porvorim		Proposed	15	0	SBR		

## GUJARAT

Sl. No	City/ Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Ahmedabad	Pirana 2009		Operational	60	60	ASP		60
2		Old Pirana 2004		Operational	106	106	UASB		106
3		Pirana 2009		Operational	180	180	ASP		180
4		Vasna 2004		Operational	126	126	UASB		126
5		Vasna 2009		Operational	35	35	ASP	20	15
6		Vasna 2011		Operational	240	235	ASP	140	95
7		Vinzol 2011		Operational	70	70	ASP		70
8		Vasna 2018		Operational	48	48	SBR	48	
9		Jalvihar Vadaj 2019		Operational	60	55	SBR	55	
10		Vinzol 2020		Operational	35	22	SBR		22
11		Shahpur ShankarBhuvan 2020		Operational	25	17	SBR		17
12		Lambha		Operational	5	2	SBR		2
13		Arvind Mill		Operational	8	8		8	
14		Naroda AUDA		Operational	7	7		7	
15		Rasala		Operational	1	1	MBBR	1	
16		Vastrapur Lake		Operational	0.5	0.5	MBBR	0.5	
17		V S Hospital		Operational	1	1	MBR	1	
18		Nikol		Operational	0.5	0.5	Electro Oxidation	0.5	
19	Surat	Singapore (2003/2014)		Operational	155	147.58	Sequential Batch Reactor (SBR) Process	1.0	140.68

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20	Surat	Karanj (1999/2015)		Operational	140	136.59	Integrated Fixed Film Activated Sludge (IFAS) Process	1.5	130.99
21		Bhatar (1999/2014/2017)		Operational	162	165.25	CASP + Sequential Batch Reactor (SBR) Process	54	103.00
22		Anjana (1995/2007/2019)		Operational	122	88.51	Integrated Fixed Film Activated Sludge (IFAS) Process	1.5	83.47
23		Bamroli (2008/2019)		Operational	100	77.90	UASB + Extended Aeration + Integrated Fixed Film Activated Sludge (IFAS) Process	57	19.34
24		Bhesan (1995/2009)		Operational	100	113.08	Conventional Activated Sludge Process	20	87.43
25		Khajod (2011)		Operational	25	21.36	Moving Bed Bio Reactor (MBBR) Process	4.5	16.22
26		Asarama (2011)		Operational	15	19.23	Moving Bed Bio Reactor (MBBR) Process	1	17.65
27		Dindoli (2012/2020)		Operational	167	33.39	CASP + Sequential Batch Reactor (SBR) Process	1.5	30.55
28	Variav-Kosad (2012/2017)		Operational	134	119.64	Moving Bed Bio Reactor (MBBR) Process + Sequential Batch Reactor (SBR) Process	1.5	113.35	

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29		Gavier (2016)		Operational	53	5.37	Sequential Batch Reactor (SBR) Process	0.5	4.66
30	Vadodara	Tarsali		Operational	52	52	Activated Sludge Process (ASP)	0	52
31		Gajarawadi		Operational	66	66	Activated Sludge Process (ASP)	0	66
32		Kapurai		Operational	43	43	Upflow Anaerobic Sludge Blanket Reactor (UASB)	0	43
33		Rajivnagar		Operational	78	26	Sequencing Batch Reactor (SBR)with Tertiary Treatment	3	26
34		Sayaji garden		Operational	8.5	7	Extended Aeration (MBBR E2o)	2	7
35		Channi		Operational	21	21	Extended Aeration	0	21
36		Vadodara	Atladara (old)		Operational	43	43	Upflow Anaerobic Sludge Blanket Reactor (UASB), Gas based Power generation	0
37	Atladara (new)			Operational	43	43	Upflow Anaerobic Sludge Blanket Reactor (UASB), Gas based Power generation	0	43
38	Gandhinagar	Jasपुर 2007		Operational	76	41	AST Technology	-	Causeway
39		Sargasan 2012-13		Operational	10	3	SBR Technology	3	-
40		Basan 2011-12		Operational	2	1	SBR Technology	-	Forest Nursery
41	Rajkot	Nr Raiya village		Operational	51	35	ASP	0	35



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		2010							
42		Raiyadhar 2017		Operational	56	15	SBR	0.02	14.98
43		Nr Madhapar 2018		Operational	44.5	15	ASP	1.34	13.66
44		Nr Kothariya Village 2017		Operational	15	5	SBR	0	5
45		Gavaridad 2018		Operational	70	30	SBR	0.9	29.1
46		Madhapar 2019		Operational	80	20	SBR	1.34	18.66
47	Bhavnagar	Nari road, Kumbharwada 31.10.2018		Operational	30	24	UASB + Oxidation pond		40
48		Behind Excel industries 9.3.2018		Operational	45	40	SBR	20	
49	Jamnagar	Navagam Ghed 31.08.2016		Operational	70	65	SBR	-	65
50	Gandhidham	Gandhidham		Operational	18.00	18	Advanced Extended Oxidation	18	-
51	Anjar	Anjar		Operational	12.00	4		4	-
52	Patan	Patan		Operational	25.00	13	SBR	-	13
53	Nadiad	Nadiad		Operational	51.26	20	SBR	-	20
54	Siddhpur	Siddhpur		Operational	5.62	5	Oxidation Pond	-	5
55	Vallabh Vidhyanagar	Vallabh Vidhyanagar		Operational	15.00	12	Oxidation Pond	-	12
56	Sanand	Sanand		Non Operational	20.50	0	Extendede Areation process	-	-
57	Himmatnagar	Himmatnagar		Operational	17.51	6	ASP	-	6
58	Petlad	Petlad		Operational	10.37	8	Extendede Areation process	-	8
59	Dholka	Dholka		Operational	13.60	8	SBR	-	8
60	Savarkundla	Savarkundla		Operational	13.90	5	Arocated Lagoon	-	5

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61	Gadhda	Gadhda		Operational	6.50	2	Aerated lagoon type	-	2
62	Kathlal	Kathlal		Operational	3.80	2.59	Oxidation Pond	-	2.59
63	Mahudha	Mahudha		Operational	2.10	1.76	Oxidation Pond	-	1.76
64	Bayad	Bayad		Operational	4.00	2.06	Oxidation Pond	-	2.06
65	Patadi	Patadi		Operational	2.80	1.33	Oxidation Pond	-	1.33
66	Sojitra	Sojitra		Operational	2.30	2	Oxidation Pond	-	2
67	Dwarka	Dwarka		Operational	7.50	2.28	SBR	-	2.28
68	Godhra	Godhra		Operational	27.60	4	SBR	-	4
69	Bhuj	Bhuj		Operational	23.70	19	SBR	-	19
70	Bhachau	Bhachau		Operational	10	4	Oxidation Pond	-	4

## HARYANA

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1	Sonapat	Rathdana Road Sonapat	2003	Operational	30	20	UASB		Non Complying
2		Kakrai Road Sonapat	2018	Operational	25	10	SBR		Non Complying
3		Rajeev Gandhi Education City Phase I	2019	Operational	7.5	0.3	ASP		Complying
4		Kharkhoda	2013	Operational	4.5	2.5	MBBR		Complying
5		Ganaur STP	2012	Operational	7	6.29	MBBR		Non Complying
6		Gohana	2015	Operational	3	1.8	MBBR		Complying
7		Gohana	2012	Operational	8.3	6	MBBR		Complying
8	Panipat	Sewah Road Panipat	2000	Operational	35	35	UASB		Complying
9		Sewah Road Panipat	2000	Operational	25	19.37	SBR		Complying
10		Jattal Road Panipat	2000	Operational	10	5	UASB		Complying
11		Jattal Road Panipat	2016	Operational	20	12	SBR		Complying
12		Samalkha	2013	Operational	5	2.82	MBBR		Complying
13		Sector 19 Panipat	2018	Operational	30	6	SBR		Complying
14		Sector 6 Panipat	2019	Operational	0.8	0.5	SBR		Complying
15	Karnal	R.K. Puram		Operational	8	2	SBR		
16		Karnal	2001	Operational	40	40	SBR		Non Complying
17		Karnal	2000	Operational	8	8	SBR		Under upgradation
18		Gogari Road Karnla	2019	Operational	10	4.5	SBR		Complying

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19		Gharaunda	2018	Operational	7	4.5	SBR		Complying
20		Inderi	2003	Operational	1.5	1.5	OP		Complying
21		Asandh	2014	Operational	5	3	MBBR		Complying
22		Nilokheri	2014	Operational	6	3.5	MBBR TT		Complying
23		Nissing	2016	Operational	4	1.5	MBBR TT		Complying
24		Taraori	2016	Operational	5.5	3	MBBR TT		Complying
25	Kurukshetra	Thanesar	2019	Operational	25	17	SBR		Complying
26		Pheowa	2019	Operational	8	1.57	MBBR		Complying
27		Ladwa Road Shahbad	2016	Operational	11.5	4.64	SBR		Complying
28		Ladwa	2016	Operational	7	3.5	MBBR		Complying
29		Urban Estate	2020	Operational	15	12.5	SBR		Complying
30	Ambala	Naya Gaon Phase I	2011	Operational	3.5	1.25	MBBR		Complying
31		Naya Gaon Phase II	2016	Operational	3.5	1.25	MBBR		Complying
32		Urban Estate Amabala City	2015	Operational	2	2	MBBR		Complying
33		Baldev Nagar Phase I	2012	Operational	5	1.85	MBBR		Complying
34		Baldev Nagar Phase II	2016	Operational	3.25	2.5	MBBR		Complying
35		Moti Nagar Phase I	2010	Operational	5	1.3	MBBR		Complying
36		Moti Nagar Phase II	2016	Operational	5	1.75	MBBR		Complying
37		Modal Town	2012	Operational	6	2.2	MBBR		Complying
38		Nasirpur Ambala City	2016	Operational	3.25	3.25	MBBR		Complying
39		Sadipur	2016	Operational	0.25	1.01	MBBR TT		Complying

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		Ambala							
40		Devi Nagar	2013	Operational	3.25	1.5	MBBR		Complying
41		Naraingarh Ambala	2014	Operational	3	1.2	MBBR		Complying
42		Barara	2019	Operational	4	2.65	SBR		Complying
43		Punchkula HUDA	2002	Operational	18	18	ASP		Complying
44		Punchkula HUDA	2011	Operational	39	39	ASP		Complying
45		Sector 28 Punchkula	2012	Operational	15	8	ASP		Complying
46	Punchkula	Kalka	2015	Operational	4.5	3.3	MBBR		Complying
47		Kalka	2017	Operational	0.25	0.1	MBBR		Complying
48		Nalagarh Road Manakpur	2015	Operational	5	0.35	MBBR		Complying
49		Chandimandir Punchkula	2012	Operational	9	6	MBBR		Complying
50		Kosli Road, Jhajjar	2007	Operational	5.5	4.5	MBBR		Complying
51	Jhajjar	Sampla Road, Jhajjar	2014	Operational	5	3.7	MBBR		Complying
52		Beri, Jhajjar	2010	Operational	2	0.5	OP		Complying
53		Linepar Bahadurgarh	2012	Operational	18	7.5	UASB		Complying
54	Bahadurgarh	Najafgarh Road, Bahadurgarh	2014	Operational	36	12.6	SBR		Complying
55		Beri Road Jhajjar, Bahadurgarh	2014	Operational	10	6	UASB		Complying
56	Kaithal	Manas Road Kaithal	2012	Operational	10	6.8	SBR		Complying

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57		Manas Road Kaithal	2006	Operational	10	7	MBBR		Complying
58		Jind Road Kaithal	2012	Operational	10	1.75	SBR		Complying
59		HUDA Kaithal	2016	Operational	7.5	7.5	SBR		Complying
60		Pundri	2014	Operational	3.5	2.1	MBBR		Complying
61		Kalayath	2014	Operational	5	1.66	MBBR TT		Complying
62		Cheeka	2013	Operational	10	6	MBBR		Complying
63	Rohtak	PGIMMS, Rohtak	2016	Operational	19.5	10	SBR		Complying
64		Sonaria, Rohtak	2016	Operational	40	27	UASB		Complying
65		Kalanour, Rohtak	2010	Operational	3.5	1	MBBR		Complying
66		Meham, Bharan Road, Rohtak	2013	Operational	5	3.6	MBBR		Complying
67		Singhpura, Rohtak	2017	Operational	10	5.5	MBBR		under maintenance
68		Singhpura, Rohtak	2015	Operational	14	7.5	SBR		Complying
69		Rohtak, Kanheli Road	2008	Operational	10	6	UASB		Complying
70		Sampla Town, Rohtak	2011	Operational	4	3	MBBR		Complying
71	Gurgaon	Sohna, Gurgaon	2014	Operational	6	3.5	MBR		Complying
72		Dhanwapur, Gurgaon	2004	Operational	68	68	ASP		Complying
73		Dhanwapur, Gurgaon	2014	Operational	100	100	ASP		Complying
74		Dhanwapur, Gurgaon	2018	Operational	50	50	SBR		Complying
75		Punhana,	2015	Operational	4.5	2.5	MBBR		Complying

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		Mewat							
76		Nuh, Mewat	2016	Operational	3.6	1.5	MBBR		Complying
77		Tauru, Mewat	2017	Operational	4.5	1	MBBR		Complying
78		Firozpur Zhirka, Mewat	2020	Operational	5	1.6	MBBR		Complying
79		Pataudi	2017	Operational	4.5	3	MBBR		Complying
80		Behrampur	2010	Operational	50	45	ASP		Complying
81		Behrampur	2014	Operational	120	110	UASB		Complying
82		Farrukhnagar	2018	Operational	3	2.8	SBR		Complying
83		Hally Mandi	2020	Operational	5.5	1.85	SBR		Complying
84	Faridabad	Badshahpur	2011	Operational	45	10	SBR		Complying
85	Ballabhgarh	Pratapgarh	1999	Operational	50	50	UASB		Complying
86	Ballabhgarh	Munjheri	1999	Operational	45	45	UASB		Complying
87	Palwal	Hasanpur	2016	Operational	3	1.2	MBBR + Dual Filter		Complying
88	Palwal	Hathin	2015	Operational	4.5	2.9	MBBR		Complying
89	Palwal	Hodal	2013	Operational	9	4.35	MBBR		Complying
90	Palwal	Palwal	2007	Operational	9	8	OP		Complying
91	Jind	Jind	2009	Operational	15	15	MBBR		Complying
92	Jind	HUDA	2014	Operational	10	10	SBR		Complying
93	Jind	Patiala Road Narwana	2011	Operational	3.5	2	MBBR		Complying
94	Jind	Narwana	2011	Operational	3.75	3	MBBR		Complying
95	Jind	Dablain Road Narwana	2017	Operational	2	0.75	MBBR		Complying
96	Jind	Uchana	2012	Operational	2	1.25	MBBR		Complying
97	Jind	Uchana	2013	Operational	1.5	1	OP		Complying

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98		Jind	2016	Operational	5	5	MBBR		Complying
99		Julana	2016	Operational	4	2.6	MBBR		Complying
100		Safidon	2018	Operational	9	4.5	SBR		Complying
101		Jind	2020	Operational	7	4	MBBR		Complying
102	Bhiwani	Dhana Road Bhiwani	2013	Operational	10	6.11	MBBR		Complying
103		Bhiwani	2014	Operational	10	7.1	MBBR		Complying
104		Bhiwani Phase I	2013	Operational	15	10.5	SBR		Complying
105		Bhiwani Phase II	2014	Operational	15	12.5	SBR		Complying
106		Huda, Bhiwani	2015	Operational	10	10	SBR		Complying
107		Jhajjar / Delhi Road Charkhi Dadri Bhiwani	2014	Operational	5	1.5	MBBR		Complying
108		Chiriya Road Charkhi Dadri Bhiwani	2013	Operational	5	4.25	SBR		Complying
109		Bawani Khera	2015	Operational	4.5	1.25	MBBR		Complying
110		Loharu Bhiwani	2015	Operational	3.5	2.16	MBBR		Complying
111		Tosham, Bhiwani	2014	Operational	3	2	MBBR		Complying
112		Siwani	2014	Operational	4	2.25	MBBR		Complying
113		Mohindergarh	Dulana Road Mohindergarh	2014	Operational	6.5	1.37	MBBR	
114	Ateli Mandi Mohindergarh		2016	Operational	2	1.9	MBBR		Complying
115	Kanina Mohindergarh		2016	Operational	3	0.6	MBBR		Complying
116	Rewari Road Narnaul		2015	Operational	7.5	4	MBBR		Complying



Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
117	Rewari	Kharkhara Dharuhera	2017	Operational	9.5	3	SBR		Complying
118		Bawal	2014	Operational	3	1.75	MBBR		Complying
119		Rewari	2014	Operational	6.5	5	MBBR		Complying
120		Rewari	2007	Operational	8	4.5	MBBR		Complying
121		Rewari	2014	Operational	16	12	SBR		Complying
122		Kosli Rewari	2016	Operational	3	2	MBBR		Complying
123		Rewari HUDA	2019	Operational	5	3	SBR		Complying
124	Hisar	Hisar	2019	Operational	6.5	1	SBR		Complying
125		Dhani Kusal Bhiwani Road Hansi	2014	Operational	5	4	MBBR		Complying
126		Lalpura Jind Road Hansi	2014	Operational	7.5	6	MBBR		Complying
127		Dhani Gram Barwala	2014	Operational	6	2.5	MBBR		Complying
128		Azad Nagar Rajgarh Road Hisar	2014	Operational	15	6	SBR		Complying
129		Rishi Nagar Hisar	2017	Operational	40	15	SBR		Complying
130		Namauda Hisar		Operational	4	2	MBBR TT		Complying
131		Ukiana Hisar	2017	Operational	6.5	4	MBBR		Complying
132		Dabara Tosham Road Hisar	2014	Operational	15	14.5	SBR		Complying
133		Kaimiri Road Hisar	2018	Operational	4	2	SBR		Complying
134	Sirsa	Shamsabad Patti Kalaria Road Sirsa	2012	Operational	15	9.15	MBBR		Complying
135		Nattar Vill Sirsa	2013	Operational	5	4.5	MBBR		Complying

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP/OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
136		Nattar Vill2 Sirsa	2017	Operational	5	5	MBBR		Complying
137		Ellenabad Sirsa	2015	Operational	7.5	6	MBBR		Complying
138		Daddu Road Sirsa	2018	Operational	9.5	4.5	SBR		Complying
139		Rania Sirsa	2017	Operational	6	4	SBR		Complying
140		Dabawali Sirsa	2017	Operational	16.5	4.5	SBR		Complying
141		Kelnia District Sirsa	2019	Operational	20	9	SBR		Complying
142	Fattehabad	Bhodia Khera Fattehabad	2013	Operational	10	7.5	MBBR		Complying
143		Amani Tohana Fattehabad	2013	Operational	10	8	MBBR		Complying
144		Ratia Fattehabad	2014	Operational	6.5	4	MBBR		Complying
145		Majra Fattehabad	2017	Operational	10	1	SBR		Complying
146		Kharati Khera	2018	Operational	5	3	SBR		Complying
147		Jhakai Mandi Fattehabad	2019	Operational	3	1	SBR		Complying
148	Yamuna Nagar	Radaur Road Yamuna Nagar	2020	Operational	25	25	SBR		Complying
149		Radaur Road Yamuna Nagar	2019 (September)	Operational	20	20	SBR		Complying
150		Badi Majra Yamuna Nagar	2020 (June)	Operational	10	10	SBR		Complying
151		Chhachhrauli Yamuna Nagar	2015	Operational	3	3	MBBR TT		Under Trial
152		Parwalo Yamuna Nagar	2018	Operational	24	15	SBR		Complying
153		Radaur Yamuna Nagar	2015	Operational	3.5	3.5	MBBR TT		Under Trial

## HIMACHAL PRADESH

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational/ Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP/OP/ SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Bilaspur	STP Ghumarawin	2005-06	Operational	1.2	0.84	ASP		
2		STP Naina Devi ji	2005-06	Operational	1.35	0.75	ASP		
3		Khaliar	NA	Operational	0.47	NA	ASP with EA		
4	Chamba	STP Chamba Barga	20.03.2008	Operational	1.501	0.85	ASP		
5		STP Chamba Bhagot	25.02.2008	Operational	0.89	0.75	ASP		
6		STP Shitla Bridge	23.03.2010	Operational	0.2	0.12	ASP		
7	Hamirpur	STP Hamirpur, Distt.Hamirpur Zone II	6.08.2008	Operational	1.35	1.05	ASP		
8		STP Hamirpur, Distt.Hamirpur Zone I	23.01.2010	Operational	3.13	0.78	ASP		
9		STP Hamirpur, Distt.Hamirpur Zone III	23.01.2010	Operational	0.68	0.44	ASP		
10		STP Nadaun	16.01.2008	Operational	1.69	0.1	ASP		
11		STP Sujanpur Zone I	16.01.2008	Operational	1.5	0.52	ASP		
12		NIIT hamirpur	01.03.1999	Operational	0.27	0.27	ASP		
13		STP Sujanpur Zone II	16.01.2008	Operational	1.75	0.1	ASP		
14	Kullu	STP Bhootnath,Kullu	2006-07	Operational	2.5	1.5	ASP		
15		STP Manali	2006-07	Operational	1.82	1.82	ASP		
16		STP Badah	2008-09	Operational	0.38	0.12	ASP		
17		STP Lanka Baker	2009-10	Operational	2.57	1.7	ASP		
18		STP Mela Ground (Bhunter)	2006-07	Operational	0.99	0.68	ASP		

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP/OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
19	Kullu	STP Sharabai (Bhunter)	2006-07	Operational	0.46	0.25	ASP		
20		STP Jard	2000-01	Operational	0.87	0.19	ASP		
21	Shimla	STP Sanjauli Malyana, Distt.Shimla	22.10.2003 CTE 24.05.2004 ctP	Operational	4.44	4.44	ASP with EA		
22		STP Lalpani, Shimla	24.05.2004	Operational	10	10	ASP		
23		STP Dhalli, Shimla	22.10.2003	Operational	0.76	0.76	ASP with EA		
24		STP Rampur, (khopri) Distt. Shimla	19.06.2006	Operational	1	0.48	ASP		
25		STP Rampur (Choohabag)	24.06.2014	Operational	0.5	0.26	ASP		
26		STP Rohroo	16.06.2008	Operational	1.745	1	ASP with EA		
27		STP Jubbal	10.11.2005	Operational	0.65	0.3	ASP with EA		
28		North Disposal, Shimla	22.10.2003	Operational	5.8	NA	ASP with EA		
29		Snowdon	24.05.2004	Operational	1.35	NA	ASP with EA		
30		Summer Hill	22.10.2003	Operational	3.93	NA	ASP with EA		
31		Narkanda	03.04.2010	Operational	0.45	NA	ASP with EA		
32		STP Jhakri	03.05.2017	Operational	1	0.28	ASP		
33		STP Theog	Feb-20	Operational	1.15	NA	ASP		
34		STP Kotkhai Zone I	Feb-20	Operational	0.305	0.305	ASP		
35		STP Kotkhai Zone II	Feb-20	Operational	0.16	0.16	ASP		

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
36	Shimla	STP at Saraswati Nagar	NA	Operational	0.65	0.65	ASP		
37	Mandi	STP Raghunath ka Pahar	31.01.2006	Operational	3.83	0.47	ASP		
38		STP Sunder Nagar	2007-08	Operational	3.55	2.9	ASP		
39		STP Neri Khadd, Joginder Nagar	2009-10	Operational	1.735	1.21	ASP with EA		
40		STP Sarkaghat Zone B	01.12.2016	Operational	0.7	0.15	ASP		
41	Kangra	STP Dharamsala	10.10.2006	Operational	5.15	3	ASP		
42		STP Tanda Medical College Dharamsala	09.11.2006	Operational	1.4	0.9	ASP		
43		STP Jwalmukhi	19.10.2004	Operational	2.83	0.7	ASP		
44		STP Palampur	2005	Operational	0.351	0.3	ASP		
45		STP Kangra Zone I	23.12.2006	Operational	1.68	1.05	ASP with EA		
46		STP Kangra Zone II	23.12.2006	Operational	1.46	0.38	ASP with EA		
47		STP Kangra Zone III(old kangra)	23.12.2006	Operational	0.63	0.44	ASP with EA		
48		STP Nagrota	29.03.2007	Operational	1.34	1	ASP		
49		STP Dehra	27.08.2008	Operational	1.38	1.38	ASP		
50	Kinnaur	STP Rekong-Peoo	29.06.2007	Operational	1	0.3	ASP		
51	Sirmour	STP Paonta Sahib Zone I	08.07.2008	Operational	0.44	0.33	ASP		
52		STP Paonta Sahib Zone II	08.07.2008	Operational	1	0.2	ASP		

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
53	Solun	STP Solun Zone B	19.06.2006	Operational	2.9	0.56	ASP with EA		
54		STP Arki	06.02.2007	Operational	0.7	0.27	ASP with EA		
55		Nalagarh	NA	Operational	3.62	3.62	ASP		
56		Parwanoo	2020	Operational	0.07	0.07	ASP		
57		STP Kunihar Arki	07.09.2015	Operational	0.9	0.31	ASP with EA		
58	Una	Una Zone-D	22.08.2006	Operational	0.65	0.24	ASP		
59		Una Zone-B	06.09.2003	Operational	2.53	0.128	ASP		
60	Solan	STP for Baddi Town at Kenduwal	NA	Under Construction	5.5	NA	ASP		
61	Mandi	STP at Rewalsar	15.01.2014	Under Construction	0.35	NA	ASP		
62	Bilaspur	STP at Talai	24.08.2016	Under Construction	1	NA	ASP		
63	Shimla	STP at Sunni	22.06.2010	Under Construction	0.65	NA	ASP		
64	Chamba	Executive Engineer, IPH, Div. Dalhousie, STP at Dalhousie, District- Chamba (Dalhousi Town)	03.05.2017	Under Construction	2.15	NA	ASP		
65	Una	STP Gagret	11.12.2014	Under Construction	3.14	NA	ASP		
66		STP at Chintpurni (Zone-1)	31.03.2017	Under Construction	0.57	NA	ASP		
67		STP at Chintpurni (Zone-2)	31.03.2017	Under Construction	2.01	NA	ASP		
68		STP at Chintpurni (Zone-3)	31.03.2017	Under Construction	2.49	NA	ASP		

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
69	Una	STP Mehatpur Town (Zone ABC)	02.06.2012	Under Construction	0.77	NA	ASP		
70		STP NIT (Expansion)	NA	Under Construction	0.6	NA	ASP		
71		STP at Santoshgarh (Zone-II)	25.02.2004	Under Construction	1.65	NA	ASP		
72	Paonta Sahib	* STP Zone-III, Paonta Sahib (Badripur-Kishanpura at Jambu Khala area to be covered)	08.07.2008	Under Construction	1.72	NA	ASP		
73	Shimla	* Upgradation Work of STP Dhalli (1.75 MLD) awarded on 19.05.2020	NA	Under Construction	1.75	NA	ASP		
74		* Upgradation Work of STP Lalpani (9.35 MLD) awarded on 5.06.2020	NA	Under Construction	9.35	NA	ASP		
75		* Upgradation Work of STP Malyana (0.74 MLD) awarded on 19.03.2020	NA	Under Construction	0.74	NA	ASP		
76		New STP at Panthghati of 02 MLD	NA	Under Construction	2	NA	ASP		
77	Kullu	STP at Industrial area Kullu	NA	Under Construction	0.06	NA	ASP		
78	Kullu	STP Marhi in progress.	NA	Under Construction		NA	ASP		

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
79	Solan	STP at Parwanoo, Sector-5, Parwanoo	NA	Planning	1	NA	ASP		
80	Solan	STP at Parwanoo, Village-Tipra, District- Solan H.P	NA	Planning	1	NA	ASP		
81	Mandi	STP at sarkaghat Zone-C	NA	Planning	1.67	NA	ASP		
82	Chamba	Executive Engineer, IPH, Div. Dalhousie, STP at Dalhousie, District- Chamba (Chowari Town)	NA	Planning	1.01	NA	ASP		
83	Paonta Sahib	STP at Trilokpur, Kala Amb	NA	Planning	1	NA	ASP		
84	Solan	# STP at Solan, District- Solan H.P.	NA	2.90 MLD (completed) + 01 MLD (Proposed)	3.9	NA	ASP		
85	Kangra	The Executive Engineer, I&PH, Div. Nurpur, Tehsil Nupur, Distt. Kangra	NA	Planning	3.13	NA	ASP		
86	Mandi	Proposed STPs at Mandi	NA	Planning	6.28	NA	ASP		



## JAMMU & KASHMIR

Sl. No	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Jammu	Bhagwati Nagar	2017-18	Operational	30	13	MBBR	No	Comply
2		Bhagwati Nagar	Under Testing & Commissioning	Under Testing & Commissioning	27	0	ASP	No	
3		Bhagwati Nagar	Under refurbishment Testing & Commissioning	Under refurbishment Testing & Commissioning	10	0	UASB	No	
4		Bhagwati Nagar	Under Testing & Commissioning	Under Testing & Commissioning	0.164	0	ASP	No	
5		Belicharana	Under Construction	Under Construction	4	0	SBR	No	
6	Nagrota	Jagti	2018-19	Operational	4	2	SBR	No	Comply
7	Patnatop	Patnatop		Non Operational	1.2	0	MBBR	No	
8	Udhampur	Baryal		Non Operational	8	0	SBR	No	
9		Omara		Non Operational	4	0	SBR	No	
10		Pittan		Non Operational	1.6	32.92315	SBR	No	
11	Reasi Katra	Bhawan LoA	09.01.2006	Operational	3.2	2.08	ASP	Gardening Fire Hydrants	Comply
12	Srinagar	Hazratbal	2006	Operational	7.5	7	FAB	Disposal into Dal Lake	Comply
13		Habak	2006	Operational	3.2	3	FAB	Disposal into Dal Lake	Comply
14		Nishat Laam	2006	Operational	4.5	4.2	FAB	Disposal into Dal Lake	Comply
15		Barinambal New	2013	Operational	16.1	12	SBR	Disposal into Barinambal Lagoon	Comply
16		Barinambal Old	1993-94	Operational	17.1		ASP	River Jhelum	Comply
17		Nallah Amir Khan	2013	Operational	5.4	4	SBR	Disposal into Nigeen Lake	Non - Comply

Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply /Partially Comply)
18	Srinagar	B.B. Cantt		Non Operational	5	0	ASP	River Jhelum	N.A.
19		Pahalgam	2016	Operational	2	1	SBR	Disposal into Lidder Nallah	Comply
20		Noorbagh Palpora		Under Construction	60	0	ASP		
21		Gulmarg		Proposed	2.5	0	SBR		
22		Mehndi Kadal		Non Operational	4	0	SBR		
23		Uranhal Batingo	2019	Operational	0.062	0	ASP		
24		Alochi Bagh	2019	Operational	0.164	0	ASP		
25		Achen		Under Construction	0.13	0	ASP		
26		Sonamarg		Proposed	1	0	MBBR		

## JHARKHAND

Sl. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized (MLD)	Status (DPR/ tendering/ under construction/ ETC etc.)	Technology	Remarks	Whether Complying or not
1	Ranchi	10	10	Operational	phytorid technology		complying
2	Ranchi (Zone -1)	37	0	Under Construction		Jumar ( kanke dam to kadal ) Priority V	
3	Ranchi (Zone 2,3,4)	269	0	Proposed		Subernarekha ( Hatia dam to Jamshedpur ) Priority IV	
4	Sahibganj	12	5	Operational	SBR		complying
5	Rajmahal	3.5	0	Under Construction			
6	Adityapur	36	0	Under Construction		Subernarekha ( Hatia dam to Jamshedpur ) Priority IV	
7	Dhanbad	144	0	Proposed		Damodar Phusro road bdg to turio Priority V	
8	Phusro	15	0	Proposed		Damodar Phusro road bdg to turio Priority V	
9	Ramgarh	40	0	Proposed		Damodar Phusro road bdg to turio Priority V	
10	Mango	43	0	Proposed		Subernarekha ( Hatia dam to Jamshedpur ) Priority IV	
11	Jamshedpur	20	0	Proposed		Subernarekha ( Hatia dam to Jamshedpur ) Priority IV	
12	Jugsalai	9	0	Proposed		Subernarekha ( Hatia dam to Jamshedpur ) Priority IV	

## KARNATAKA

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
1	Anekal Town Municipal Council, Anekal Town,		Non Operational	3.1		SBR		
2	Kasaba Hobli, Anekal Taluk, Bangalore Urban District	2018	Non Operational	3.3		SBR		
3	Bangalore Urban, Dasarahalli	06.01.2018	Operating	20	8.218	SBR		
4	Bangalore Urban, Dasarahalli	01.06.2019	Operating	20	7.778	EAT		
5	Bangalore Urban, Dasarahalli	01.06.2020	Operating	5	3.145	SBR		
6	CMC, Doddaballapura		Operating	12	5	Open Pond Oxidation Method		
7	CMC, Kollegala, Charnarajanagara District	2005	Operating	3.34	3.34	waste stabilization pond & extended aerated lagoons		
8	CMC, Charnarajanagar	2018	Operating	9	6	Factultative aerated Lagoons		
9	TMC, Gundlupet( (2 no) 2.1 MLD & 1.5 MLD)	2019	Operating	3.6	3	waste stabilization pond		
10	CMC Chikkarnagalur	2019	No	20	0	MBBR (Moving bed bio-film reactor)		
11	TMC Birur, Chikkarnagalur District	2017	Not Operating	2.5	2.5	Oxidation ponds-3 No's		
12	The Commissioner, City Municipal Council, Haveri District		Under Construction	4.71		FAB		
13	The Commissioner, City Municipal Council, Ranebeunur, Haveri District		Operating	15	4	FAB		
14	The Chief Officer, Town Municipal Council, Byadgi , Haveri District		Under Construction	5		SBR		
15	CMC - Chikkaballapura, Chikkaballapura (T) &(D)	2009	Operating	10	5	(Lagoons) Oxidation pond		

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
16	CMC- Chintharnani, Chintharnani (T), Chikkaballaoura (D)	2004-05	Operating	2	2	(Lagoons) Oxidation pond		
17	CMC - Shidlaghatta, Shidlaghatta (T), Chikkaballapura (D)		Not Operating	3.1	0	(Lagoons) Oxidation pond		
18	Chitradurga	Mar-19	Operating	20	3	SBR		
19	Eklaspur City Municipal Council, Raichur District	2019	Operating	20	10	Facultative aerated Lagoons		
20	Hosur	2019	Operating	8	5	Facultative Aerated Lagoons Type		
21	Hutti Notified Area, Hutti, Lingasugur-Tq. Raichur District. 2x1.25		Operating	2.5	0	Extended Aeration System		
22	Dharwad (2 STPs 01-40MLD, 01-20MLD)		Operating	60	60	SBR		
23	CMC,GADAG	2016	No	10.8		Anaerobic logoon + Sacculation Pond-Waste stabilization pond Type		
24	TMC, LAXMESHV ARA, Gadag District		No	5.5		AERATED LAGOON TYPE		
25	TMC, NARAGUND, Gadag District		No	4.18		Anaerobic logoon + Sacculation Pond-Waste stabilization pond Type		
26	CMC Hassan	2011	Operating	10	10	Conventional		
27	TMC Belur, Hassan District	2008 & 2013	Operating	2.7	2.7	Conventional		
28	TMC Arsikere, Hassan District	2019	Operating	3.5	3.5	Conventional		
29	TMC Channarayapatna, Hassan District	2007	Operating	4.5	4.5	Conventional		

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
30	TMC Holenarasipura, Hassan District	2004	Operating	3	3	Conventional		
31	Kalaburagi	2016	Operating	40	30	SBR Technology		
32	Kalaburagi	2019	Operating	25	10	SBR Technology		
33	TMC Jewargi, Kalaburagi District	2011	No	3.25	0	MBR		
34	CMCKarwar	2011	Operating	1.5	1.5	Aerator Lagoon		
35	TMC Bhatkal, Karwar District	2006	Operating	1.5	1.5	ASP		
36	City Municipal Conuncil (CM C) Koppal		Under Construction	9		SBR Technolgy proposed		
37	City Municipal Conuocil (C M C ) Gangavathi, Koppal District	2019	Non Operational	9		SBR Technology		
38	CMC Mandya (2 Nos. of STP of 9.6 MLD & 8.9 MLD)	2007 & 2009	Operating	18.5	11.2	Convention Treatment (Oxidation Pond)		
39	TMC Maddur, Mandya District	2005	Operating	3.5	2.8	Convention Treatment (Oxidation Pond)		
40	TMC Malavalli, Mandya District	2016	Operating	5.69	3.6	Convention Treatment (Oxidation Pond)		
41	TMC Srirangapatna, Mandya District	2014	Operating	3.59	2.69	Convention Treatment (Oxidation Pond)		
42	TMC Nagamangala, Mandya District	2014	Operating	3	1.6	Convention Treatment (Oxidation Pond)		
43	City CorporationMangalore 1 STP PANCHADY	2011	Operating	8.75	8.75	Extended aeration system followed by tertiary treatment		

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
44	2 STP Surthkal, Dakshina Kannada (Man galore)	2016	Operating	16.5	16.5	Extended aeration system followed by tertiary treatment		
45	3. STP Jappinamogaru, Dakshina Kannada (Mangalore)	2015	Operating	20	20	Extended aeration system followed by tertiary treatment		
46	4. STP Kavoore, Dakshina Kannada (Man galore)	2008	Operating	43.5	43.5	UASBR & ASP		
47	Town Panchayat(TP)- Sullia, Dakshina Kannada (Mangalore)	2010	Operating	0.5	400	Wet Well System		
48	Nanjangud, CMC, Mysore District	2017	Operating	7	1.365	Lagoons		
49	Hunsur, CMC, Mysore District	2000	Operating	3.9	3.9	Lagoons		
50	T.Narasipura, TMC, Mysore District		Operating	5.5	3.8	Sequencing Batch Reactor		
51	Bannur, TMC, Mysore District	2010	Operating	3.31	2.36	Lagoons		
52	K.R.Nagar, TMC	1998	Operating	1.45	3.8	Lagoons		
53	K.R.Nagar, TMC	2002	Non Operational	1.45	3.8	Lagoons		
54	Kesare, Mysore District	2001	Non Operational	30	15	SBR		
55	Rayankere, Mysore District	2003	Non Operational	60	39	SBR		
56	Vidyaranyaapuram, Mysore District	2001	Non Operational	67.65	51	SBR		
57	CMC-Ramanagara	2004	Operating	7.56	6	Aerated Lagoons		
58	CMC-Kanakapura, Ramanaaar District	2014	Operating	6.29	3.8	Fabultative Lagoons		
59	TMC-Magadi, Ramanaaar District	2014	Operating	3.7	2.9	Lagoons		

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
60	City Corporation,Shivamogga Sy.No.27 Thevarachatnally, Shi vamogga Tq & Dist.	2017	Operating	35.58	13	Areated Lagoons System		
61	City Corporation,Shivarnogga Gandhi Park,Shivamogga City,Shivamogga Taluk & Dist.		No	0.05	13	SBR		
62	City Corporation, Shivamogga, Sy.No.33/PIPurle village, Shivamogga Tq & Dist.		No	5.13	13	SBR		
63	Town Municipal Council,Shikaripura,Sy.No.37, Ambargoppa Benharak Grarna,Kuprihalli Gramtana,Shivamogga Dist.	2019	No	5		SBR		
64	City Municipal Council Sagar, Sy.46,Kasaba Hobli, Shiruvala Village,SagarTq, Shivamogga District		No	9		SBR		
65	City Municipal Council, Bhadravathi Jatpat Nagara,Bhadravathi,Shivamogga Dist.	2010	Operating	5.83	3	Waste Stabilization Pond/Lagoons		
66	City Municipal Council,Bhadravtahi, Tarikere Road, Bhadravathi, Shivarnogga Dist.		Operating	7.2	3	Waste Stabilization Pond/Lagoons		
67	City Municipal Council, Bhadravathi, Sy.13, Ward No.22, Ujjinipura, Bhadravathi, Shivamogga		NO	1	3	SBR		
68	CMC, Vijayapura	2018-19	Operating	31	21.7	SBR		
69	CMC, Yadgir	2018-19	Operating	11				



Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
70	CMC, Shhaapur		Operating	9				
71	CMC, Shorapur		Operating	1.1				
72	TMC, Gurumitkal		Operating	0.3				
73	Davangere CC, Kundvada village	2015	Operating	14.8	10	WSP		
74	Doddabhudihal Village, Davanagere District	25.02.2015	Operating	20	16	SBR		
75	Doddabhudihal Village, Davanagere District	25.02.2015	Operating	20	16	SBR		
76	Avaragere Village, Davanagere District	25.02.2015	Operating	5	3	SBR		
77	Harihara CMC, Davanagere District		Under Construction	18	6.8	FAL		
78	City Corporation Tumkur	2003	Operating	25	20	Lined lagoon system with surface aerators		
79	City Municipal Council Tiptur, Tumkur District		Operating	12	6	SBR		
80	Town Panchayath Turuvekere, Turnkur District	2014		1.97	0	ASB		
81	TMC, Badami, Bagalkot District	2013		4.3	0	Waste Stabilization pond followed by Soil Bio Technology		
82	CMC, Mudhol, Bagalkot District	2017		9.06	0	Waste, Stabilization Pond		
83	CMC, Ilkal, Bagalkot District			8	0	Conventional treatment		
84	CMC, Jarnakhandi, Bagalkot District			7.6	0	Facaltative Aerated lagoons		
85	CMC, Bagalkot (BTDA), Bagalkot District			7.5	0	Conventional treatment		
86	CMC, Bagalkot, Bagalkot District			8	6	Oxidation ditch		

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
87	TMC, Hunagund,Bagalkot District	2019		3.5	2.8	Conventional treatment		
88	Ballari	2004	Operating	30	20	Facultative Aerated Lagoon (FAL)		
89	Ballari	2004	Operating	15	7.5	Facultative Aerated Lagoon (FAL)		
90	Huvinahadagali/Balari District	28.06.2016	Operating	4.27	2.3	Waste Stabilization Pond (WSP)		
91	Bidar	Aug-17	No	17.26				
92	Humnabad Tq, Bidar District		No	6				
93	TMC Chikkodi, Chikkodi District	2018	Operating	5.8	2.1448	Oxidation Pond		
94	TMC Sadalaga, Chikkodi District	2018	Operating	3.72	1.1424	Aerated Lagoon		
95	CMC Gokak, Chikkodi District		Operating	8.7	2.5312	Extended Aeration Technology		
96	CMC Udupi	2007	Operating	12	5.5	Roughing Filters-2 Nos., Facultative Aerated Lagoons-2 Nos., Clarifier-1 No.		
97	TMC Kundapura, Uduoi District		No	3.1	0			
98	TMC Karkala, Udupi District	1993	No	3	0	Oxidation Ponds-5 Nos.		
99	TMC Kaup, Uduoi District		No	0.3	0			
100	City Corporation, Belagavi		Under Construction			SBR Technology		
101	Bangalore urban, Rajacanal	2004	Operating	40	36	Activated Sludge Process (ASP)	36	Comply
102	Bangalore urban, Rajacanal	2018	Operating	40	40	Extended Aeration	40	Comply
103	Bangalore Urban, Jakkur	2018	Operating	15	15	Moving Bed Biofilm Reactor (MBBR)	15	Comply

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
104	Bangalore Urban,K & C Valley	2005	Operating	218	183	Activated Sludge Process (ASP)	183	Comply
105	Bangalore Urban,K & C Vallev	2005	Operating	30	30	Extended Aeration	30	Comply
106	Bangalore Urben, Horamavu	2018	Operating	20	20	Sequencing Batch Reactor (SBR)	20	Comply
107	Bangalore Urban, Sarakki	2019	Operating	5	4	Sequencing Batch Reactor (SBR)	4	Comply
108	Bangalore Urban, Bellandur Amanikere	2018	Operating	90	90	Activated Sludge Process (ASP)	90	Comply
109	Bangalore Urban, Lalbagh	2006	Operating	1.5		Activated Sludge Process and UV method	1.5	Comply
110	Bangalore Urban, Cubbon Park	2018	Operating	4		Membrane Bio Reactor (MBR)	4	Comply
111	Bangalore Urban, Hebbal	1999	Operating	60	35	Activated Sludge Process (ASP)	35	Comply
112	Bangalore Urban, Yelhanka	2003	Operating	10	8	Activated Sludge Process (ASP)	8	Comply
113	Bangalore Urban, Yelemelle chellappa chetty	2018	Operating	15	13	Sequencing Batch Reactor (SBR)	13	Comply
114	Bangalore Urban, Chikkabanavara	2018	Operating	5	3.5	Sequencing Batch Reactor (SBR)	3.5	Comply
115	Bangalore Urban, Mailsandra	2005	Operating	75	75	Activated Sludge Process (ASP)	75	Comply
116	Bangalore Urban, V Vallev	2009	Operating	180	70	2 stage trickling filter	70	Comply
117	Bangalore Urban ,VValley (TIP)	2004	Operating	10	10	High Rate Clarifier DENSEDEG	10	Comply
118	Bangalore Urban, Kemparnbudhi	2002	Operating	1	1	Activated Sludge Process (ASP)	1	Comply
119	Bangalore Urban, Mallathahalli	2011	Operating	5	5	Sequencing Batch Reactor (SBR)	5	Comply
120	Bangalore Urban, Kadugodi	2018	Operating	6	4	Sequencing Batch	4	Comply

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
						Reactor (SBR)		
121	Bangalore Urban, Halasuru	2018	Operating	2	1.8	Sequencing Batch Reactor (SBR)	1.8	Comply
122	Bangalore Urban, Nagasandra	2018	Operating	20	10.814	Sequencing Batch Reactor (SBR)	10.814	Comply
123	Bangalore Urban, Nagasandra	2005	Operating	20	8.484	Extended Aeration	8.484	Comply
124	Bangalore Urban, K R Purarn	2005	Operating	20	20	Upflow Anaerobic Sludge Blanket Reactor (UASB)	20	Comply
125	Bangalore Urban, Doddabele	2019	Operating	40	30	Sequencing Batch Reactor (SBR)	30	Comply
126	Bangalore Urban, Kadabeesanahalli	2005	Operating	50	42	Activated Sludge Process (ASP)	42	Comply
127	Bangalore Urban, K & C Valley	2018	Operating	60	60	Activated Sludge Process (ASP)	50	Comply
128	Bangalore Urban, Kengeri	2018	Operating	60	40	Activated Sludge Process (ASP)	40	Comply
129	Bangalore Urban, Doddabele	2018	Operating	20	20	Sequencing Batch Reactor (SBR)	20	Comply
130	Bangalore Urban, Hulimavu	2020	Operating	10	4.5	Sequencing Batch Reactor (SBR)	4.5	Comply
131	Bangalore Urban, Agaram	2020	Operating	35	15	Sequencing Batch Reactor (SBR)	15	Comply
132	Bangalore Urban, K&C Valley		Under Construction	150		Sequencing Batch Reactor (SBR)		
133	Bangalore Urban, Chikkabegur		Under Construction	5		Sequencing Batch Reactor (SBR)		
134	Bangalore Urban, K.R. Puram		Under Construction	20		Sequencing Batch Reactor (SBR)		
135	Bangalore Urban, Hebbal		Under Construction	100		Sequencing Batch Reactor (SBR)		
136	Bangalore Urban, V. Valley		Under Construction	150		Sequencing Batch Reactor (SBR)		

Sl. No.	STP_Name	Date of Commissioning	Status (Operational /Non Operational/ Under Construction/ Proposed)	Installed Capacity of STPs (in MLD)	Actual Utilization of installed Capacity ( In MLD)	Technology adapted (UASB/ASP/OP/SBR/ MBR/FAB etc)	Use of Treated sewage with quantity	Compliance Status
137	Town Municipal Council, Basavana Bagewadi Bagewadi Taluk, Vijayapura District.	2014-15	Operating	4.02	2.4	Waste Stabilization pond system	On-land for irrigation	Partially Comply
138	Town Municipal Council, Muddebihal Town, Mudnal Tank, Muddebihal Taluk,		Under Construction	5.24				
139	Town Municipa] Council, Tlikote Town, Muddebihal Taluk,	2015-16	Operating	4.24	2.5	WSB	On-land for irrigation	Partially Comply
140	Town Municipal Council, Indi Town, Indi Taluk, Vijayapura	2016-17	Operating	4.24	2.5	OP	On-land for irrigation	Partially Comply

## KERALA

Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Thiruvananthapuram	Thiruvananthapuram		Operational	107	44	ASP		
2	Pathanamth	Pathanamth			5	3.5	Coagulation & setting		
3	Alappuzha	Alappuzha			0.18	0.18	Electrolytic Oxidation		
4	Kottayam	Kottayam			0.09	0.09	ASP		
5	Ernakulam	Ernakulam		Operational	4.5	3.5	ASP		
6	Thrissur	Thrissur		Operational	3	3	Aerobic Niological Process		
7	Kannur	Kannur			0.5	0.5	ASP + MBBR		

## MADHYA PRADESH

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
1	Bhopal	Bhopal (M Corp.)		Operational	35	30.43		5.89	
2		Bhopal (M Corp.)		Operational	10	8.69		1.68	
3		Bhopal (M Corp.)		Operational	16.7	14.52		2.81	
4		Bhopal (M Corp.)		Operational	2.59	2.25		0.44	
5		Bhopal (M Corp.)		Operational	4.5	3.91		0.76	
6		Bhopal (M Corp.)		Operational	13	11.30		2.19	
7		Bhopal (M Corp.)		Operational	4	3.48		0.67	
8		Bhopal (M Corp.)		Operational	2	1.74		0.34	
9		Bhopal (M Corp.)		Operational(BHEL)	2.5	2.17		0.42	
10	Dewas	Dewas (M Corp.)		Operational	12	2.6		2.6	
11	Gwalior	Gwalior (M Corp.)		Operational	50	50		5	
12	Indore	Indore (M Corp.)		Operational	245	220.87		22.07	
13		Indore (M Corp.)		Operational	78	70.32		7.03	
14		Indore (M Corp.)		Operational	12	10.82		1.08	
15	Jabalpur	Jabalpur (M Corp.)		Operational	50.55	7.00		3.00	
16	Singrauli	Singrauli (M Corp.)		Operational (NTPC)	28.22	7.94		7.94	
17	Ujjain	Ujjain (M Corp.)		Operational	83	64		21	
18	Sehore	Sehore (M)		Operational	12	5		0	
19	Vidisha	Vidisha (M)		Operational	7.2	7.2		0	
20	Burhanpur	Burhanpur (M Corp.)		Non-Operational	4.5	0			
21		Burhanpur (M Corp.)		Non-Operational	6	0			
22	Rewa	Rewa (M Corp.)		Non-Operational	12	0			
23	Bhind (M)	Bhind (M)		Work in progress	12	0			
24	Bhopal (M Corp.)	Bhopal (M Corp.)		Work in progress	3.5	0			

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
25		Bhopal (M Corp.)		Work in progress	3.5	0			
26		Bhopal (M Corp.)		Work in progress	9.5	0			
27		Bhopal (M Corp.)		Work in progress	4.5	0			
28		Bhopal (M Corp.)		Work in progress	2	0			
29		Bhopal (M Corp.)		Work in progress	6	0			
30		Bhopal (M Corp.)		Work in progress	32	0			
31		Bhopal (M Corp.)		Work in progress	20.5	0			
32		Bhopal (M Corp.)		Work in progress	5	0			
33		Bhopal (M Corp.)		Under Testing & Commissioning	35	0			
34		Bhopal (M Corp.)		Work in progress	2	0			
35	Burhanpur (M Corp.)	Burhanpur (M Corp.)		Work in progress	21	0			
36	Datia (M)	Datia (M)		Work in progress	12	0			
37	Guna (M)	Guna (M)		Work in progress	7.6	0			
38	Guna (M)	Guna (M)		Work in progress	14.65	0			
39	Gwalior (M Corp.)	Gwalior (M Corp.)		Under Trial-run	145	0			
40		Gwalior (M Corp.)		Work in progress	4	0			
41		Gwalior (M Corp.)		Work in progress	65	0			
42		Gwalior (M Corp.)		Work in progress	8	0			
43	Indore (M Corp.)	Indore (M Corp.)		Work in progress	6	0			
44		Indore (M Corp.)		Under Testing & Commissioning	8	0			
45		Indore (M Corp.)		Work in progress	7	0			
46		Indore (M Corp.)		Work in progress	35	0			
47		Indore (M Corp.)		Work in progress	11	0			
48	Jabalpur (M Corp.)	Jabalpur (M Corp.)		Work in progress	1	0			
49		Jabalpur (M Corp.)		Work in progress	5	0			



Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
50		Jabalpur (M Corp.)		Work in progress	29	0			
51		Jabalpur (M Corp.)		Work in progress	32	0			
52		Jabalpur (M Corp.)		Work in progress	34	0			
53	Khargone (M)	Khargone (M)		Under Testing & Commissioning	17.6	0			
54	Morena (M)	Morena (M)		Work in progress	25	0			
55	Murwara (Katni) (M Corp.)	Murwara (Katni) (M Corp.)		Work in progress	7.5	0			
56		Murwara (Katni) (M Corp.)		Work in progress	6	0			
57		Murwara (Katni) (M Corp.)		Work in progress	11	0			
58	Neemuch (M)	Neemuch (M)		Work in progress	7	0			
59		Neemuch (M)		Work in progress	9.5	0			
60	Ratlam (M Corp.)	Ratlam (M Corp.)		Work in progress	16	0			
61		Ratlam (M Corp.)		Work in progress	21.5	0			
62	Rewa (M Corp.)	Rewa (M Corp.)		Work in progress	1	0			
63		Rewa (M Corp.)		Work in progress	1	0			
64		Rewa (M Corp.)		Work in progress	1	0			
65		Rewa (M Corp.)		Work in progress	6.5	0			
66		Rewa (M Corp.)		Work in progress	6.5	0			
67		Rewa (M Corp.)		Work in progress	3	0			
68	Rewa (M Corp.)		Work in progress	6	0				
69	Sagar (M Corp.)	Sagar (M Corp.)		Work in progress	43	0			
70	Satna (M Corp.)	Satna (M Corp.)		Work in progress	15	0			
71	Satna (M Corp.)	Satna (M Corp.)		Work in progress	16	0			
72	Satna (M Corp.)	Satna (M Corp.)		Work in progress	11	0			

Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
73	Singrauli (M Corp.)	Singrauli (M Corp.)		Work in progress	11	0			
74	Singrauli (M Corp.)	Singrauli (M Corp.)		Work in progress	10	0			
75	Singrauli (M Corp.)	Singrauli (M Corp.)		Work in progress	10	0			
76	Ujjain (M Corp.)	Ujjain (M Corp.)		Work in progress	92.5	0			
77	Vidisha (M)	Vidisha (M)		Work in progress	22.25	0			
78	Maheshwar	Maheshwar		Work in progress	4.91	0			
79	Shajapur	Shajapur		Work in progress	11.1	0			
80	Chhindwara	Chhindwara		Work in progress	28	0			
81	Nasrullaganj	Nasrullaganj		Work in progress	4.2	0			
82	Amarkantak	Amarkantak		Work in progress	1.2	0			
83	Dindori	Dindori		Work in progress	3.85	0			
84	Budhni	Budhni		Work in progress	2.8	0			
85	Budhni	Budhni		Work in progress	1.08	0			
86	Shahganj	Shahganj		The ULB has resolved "not to execute" the sewerage scheme and hence, the work is stopped till final decision.	2	0			
87	Mandleshwar	Mandleshwar		Work in progress	3	0			
88	Omkareshwar	Omkareshwar		Work in progress	0.55	0			
89	Dharampuri	Dharampuri		Work in progress	2.5	0			
90	Nemawar	Nemawar		Work in progress	1	0			
91	Hoshgabad	Hoshgabad		Work in progress	21	0			
92	Badwani	Badwani		Work in progress	9	0			
93	Sendhwa	Sendhwa		Work in progress	8.5	0			
94	Barwaha	Barwaha		Work in progress	3.74	0			

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
95	Anjad	Anjad		Work in progress	3.66	0			
96	Saikhda	Saikhda		Work in progress	2.6	0			
97	Chitrakoot	Chitrakoot		Work in progress	4.7	0			
98	Dewas	Dewas		Under Construction	14	0			
99	Dewas	Dewas		Under Construction	22	0			
100	Shivpuri	Shivpuri		Under Construction	20	0			
101	Bhedaghat	Bhedaghat		Proposed	0.43	0			
102	Bhedaghat	Bhedaghat		Proposed	0.22	0			
103	Bhedaghat	Bhedaghat		Proposed	0.06	0			
104	Bhedaghat	Bhedaghat		Proposed	0.06	0			
105	Shahdol	Shahdol		Proposed	17	0			
106	Nagda(Scheme II)	Nagda(Scheme II)		Proposed	12.62	0			
107	Mandla	Mandla		Proposed	7.75	0			
108	Mandla	Mandla		Proposed	1.75	0			
109	Narsingpur	Narsingpur		Proposed	7.75	0			
110	Narsingpur	Narsingpur		Proposed	1.25	0			
111	Khajuraho	Khajuraho		Proposed	4.45	0			
112	Rajnagar	Rajnagar		Proposed	2.82	0			
113	Maihar	Maihar		Proposed	14.45	0			
114	Sanchi	Sanchi		Proposed	1.9	0			
115	Sanawad	Sanawad		Proposed	5.58	0			
116	Dhamnodb	Dhamnodb		Proposed	6.8	0			
117	Khandwa (M Corp.)	Khandwa (M Corp.)		Operational	0.0018	0			
118	Morena (M Corp.)	Morena (M Corp.)		operational	0.0012	0.0012			

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119	Sagar (M Corp.)	Sagar (M Corp.)		operational	0.02	0.02			
120	Betul	Betul		operational	0.001	0.001			
121	Sarni	Sarni		operational	2.655	1.65			
122	Raisen	Raisen		operational	1	1			
123	Shahganj	Shahganj		operational	1	0.179			
124	Pithampur	Pithampur		operational	0.02	0.02			
125	Sanavad	Sanavad		operational	1	0.001			
126	Maheshwar	Maheshwar		operational	0.001	0.001			
127	Khargone	Khargone		operational	0.5	0.4			
128	Malajkhand	Malajkhand		operational	0.031	0.015			
129	Bamhani	Bamhani		operational	1	1			
130	Kymore	Kymore		operational	0.8	0.4			
131	Gotegaon	Gotegaon		operational	1	1			
132	Chakghat	Chakghat		operational	1	1			
133	Hatta	Hatta		operational	0.002	0.002			
134	Damoh	Damoh		operational	0.09	0.09			
135	Tendukheda	Tendukheda		operational	0.5	0.1			
136	Patera	Patera		operational	0.5	0.1			
137	Banda	Banda		operational	1.98	1.98			
138	Makroniya	Makroniya		operational	1.35	1.35			
139	Bhaurasa	Bhaurasa		operational	1.5	1.5			
140	Ratangarh	Ratangarh		operational	0.1	0.1			
141	Unhel	Unhel		operational	0.01	0.01			
142	Badnagar	Badnagar		operational	0.001	0.001			

### MAHARASHTRA

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1	Municipal Corporation of Greater Mumbai	Colaba WWTF Nr Afgan Church Colaba Mumbai - 05	2020	Operational	37	22.51	SBR	NIL	Comply
2		LGP WWTF-IPS 89,Dr.A.B. Road Worli Mumbai 18.	1991	Operational	757	374.78	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	0.8	Non-Comply
3		Malad STP Marve Road, MithChawky, Malad (W), Mumbai-95	Apr-98	Operational	240	216.06	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	Treated sewage used for gardening on Gorai dumping ground	Non-Comply
4		Charkop STP MHADA, Sector 8 & 9, Kandivali(W),	2007	Operational	6	4.28	RMBR	0	Partially Comply
5		Bhandup WWTF Off eastern Express Highway Near Airoli Bridge Traffic Signal Bhandup East	2003	Operational	280	141.48	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	0	Comply
6		Ghatkopar WWTF Off eastern Express Highway Near Pant Nagar Traffic Signal Ghatkopar East	2003	Operational	386	151.7	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall.	0	Non-Comply
7		Worli STP, MCGM, Mumbai		Proposed	500	NA			

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8	Mumbai	Bandra STP, MCGM, Mumbai	NA	Proposed	360	NA	NA	NA	NA
9		Dharavi STP, MCGM, Mumbai		Proposed	250	NA	NA	NA	NA
10		Versova STP J.P. Road Jn., Link Road, Near Apnana Bazar, Andheri (W), Mumbai-53	1998	Operational	180	108	Aerobic & Facultative Lagoon	0	Comply
11		Influent Pumping Station Bandra, Opp Swami Vivekanand Garden, Mahim Causway, Mahim (West), Mumbai	2003	Operational	797	531	Preliminary treatment by screening & diffused aerated grit chambers. Dilution & dispersion through marine outfall at 3.7 Km into Sea	0	Comply
12		Ghatkopar STP, MCGM, Mumbai	NA	Proposed	337	NA	NA	NA	NA
13		Malad STP, MCGM, Mumbai	Proposed	Proposed	605	NA	NA	NA	NA
14		Thane Municipal Corporation	TMC STP Kopri, Thane	2012	Operational	120	70	SBR Technology	0
15	TMC STP Mumbra, Thane		2015	Operational	32	12	SBR Technology	NIL	Non-Comply
16	TMC STP Vartak Nagar		2017	Operational	0.9	0.25	Inlet Chamber, Equalization Tank, Aeration Tank, Settling Tank, Filter Tank, Sand Filter, Carbon Filter, UV and Final Tank	0.25	Comply
17	Vitava		2019	Operational	8.4	1	MBBR Technology	0	NA
18	Kharegoan		2019	Non-Operational	46.76	NA	MBBR Technology	NA	NA
19	Everest World, Kolshet		2019	Operational	23.06	5	MBBR Technology	0	NA

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20		Lodha	2019	Non - Operational	22.02	NA	MBBR Technology	NA	NA
21		Nagla Bunder	NA	Under Construction	7	NA	SBR Technology	NA	NA
22		Hiranandani	2021	Non - Operational	59	NA	Pumping Station, Inlet, Screen Channels, Grid Chamber, C-Tech basin, Sludge sump, Sludge compactors and UV channels, Outlet.	NA	NA
23	Mira- Bhaindar Municipal Corporation	Bhayander (W) near Garden Court Tower	17-Jun	Operational	8	8	MBBR	No Use-0	Comply
24		Golden Nest Road, Bhayander (E) Goddev	17-Jan	Operational	12	12	MBBR	Gardening-0.5	Comply
25		Kanakia, Mira Road (E)	14-Mar	Operational	17	17	MBBR	Gardening-0.5	Comply
26		Shanti Park - Mira road - Sanghavinagar	14-Mar	Operational	13	13	MBBR	Gardening-0.3	Comply
27		Mhada- shanti garden- Mira Penkarpadagavthan (Mhada Colony)	18-Jan	Operational	7	7	MBBR	Gardening-0.1	Comply
28		Shanti nagar Mira road station, Near ayappamandir,	14-Mar	Operational	11	11	MBBR	Gardening-0.7	Comply
29		Near Corporation garden, Kashmirira road, Reservation No 170	NA	Under Construction	12	NA	NA	NA	NA
30		Ghodbunder- Kashigaon, MashachhapadaBhayander, Survey No. 233	17-Aug	Operational	14	14	MBBR	Gardening-0.2	Comply
31		Jesal park	1990	Operational	2	2	Conventional	Gardening-0.1	Comply
32		Shrushti complex, Mira Road	2000	Operational	1.5	1.5	Conventional	Gardening-0.1	Comply

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33		Bhayander West	NA	Proposed	8	NA	NA	NA	NA
34		Kharigaon	NA	Proposed	13	NA	NA	NA	NA
35	Vasai-Virar Municipal Corporation	Bolinge Village STP - 2,	08-01-2017	Operational	30	19	MBBR	0	Partially Comply
36		Chikhaldongri	NA	Proposed	13	NA	MBBR	NA	NA
37		Nallasopara (East)	NA	Proposed	30.5	NA	MBBR	NA	NA
38		Nallasopara (West)	NA	Proposed	49	NA	MBBR	NA	NA
39		Navghar Manikpur	NA	Proposed	7.1	NA	MBBR	NA	NA
40		Navghar Manikpur	NA	Proposed	33.85	NA	MBBR	NA	NA
41		Vasai	NA	Proposed	11.57	NA	MBBR	NA	NA
42	Kalyan Dombivali Municipal Corporation	Adharwadi	2013	Operational	25	21	SBR	NA	Comply
43		Barave	2013	Operational	15	11	SBR	NA	Comply
44		Motagaon	Old STP	Operational	40	0	SBR	NA	--
45		Chinchpada	2016	Operational	40	15	SBR	NA	Comply
46		Manda Titwala 2.0 MLD.(E)	2014	Operational	2	1	Root Zone	NA	Comply
47		Manda Titwala 1.0 MLD (W)	2014	Operational	1	0.5	Root Zone	NA	Comply
48	Bhiwandi Nizampur Municipal Corporation	Katai-1	2015	Operational	13	13	ASP	0	Comply
49		Katai-2	1978	Non-Operational	17	0	ASP		NA
50		Bakra Bazar- Bhiwandi	NA	Under Construction	29	NA	SBR		NA
51		Slaughter House- Idgah	NA	Under Construction	30	NA	SBR		NA
52		Bhadwad	NA	Proposed	9	NA	SBR		NA
53		Stepping Garden	NA	Proposed	31	NA	SBR		NA



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54	Ambernath Municipal Council	Vadlgaon	2016	Operational	45	22	SBR	0	Comply
55		Chikloli	2016	Operational	9	6	SBR	0	Comply
56	KulgaonBadalapur Municipal Council	Badlapur	2016	Operational	22	20	SBR	0	Comply
57	Ulhasnagar Municipal Corporation	Shanti Nagar-1	NA	Under Construction	15	NA	SBR	NA	NA
58		Shanti Nagar-2	NA	Under Construction	31.26	NA	SBR	NA	NA
59		Vadholgaon	Mar-20	Operational	20.7	NA	SBR	0	Comply
60	Navi Mumbai Municipal Corporation	Sec-12 C.B.D.	10-07-2011	Operational	19	12	SBR	0	Comply
61		Sec-50, Nerul	15/04/2008	Operational	100	40	SBR	0.1	Comply
62		Sec-18, Vashi	30/09/2008	Operational	100	40	SBR	0.1	Comply
63		Sec-20, Sanpada	15/04/2012	Operational	37.5	18	SBR	0	Comply
64		Sec-15, Ghansoli	Dec-2016 transferred from CIDCO	Operational	30	10	SBR	0	Comply
65		Sec-14, Koparkhairane	27/01/2012	Operational	87.5	45	SBR	0	Comply
66		Sec-18, Airoli	30/04/2008	Operational	80	35	SBR	0	Comply
67	Panvel Municipal Corporation	Bandar Road, Panvel, Dist. Raigad.	2009	Operational	14	12	MBBR	0	Comply
68		Sector-16, Kharghar, Tal. Panvel, Dist. Raigad.	2008	Operational	25	23	MBBR	0	Comply
69		Sector-16, Kharghar, Tal. Panvel, Dist. Raigad.	2012	Operational	70	63	MBBR	0	Comply
70		Sector-32, Kamothe, Tal. Panvel, Dist. Raigad.	2012	Operational	85	79	MBBR	0	Non-Comply

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71		Sector-12,Kalamboli, Tal. Panvel, Dist. Raigad.	2011	Operational	50	47	MBBR	0	Comply
72		Sector-06, Ulwe, Tal. Panvel, Dist. Raigad.	2018	Operational	32	26	MBBR	0	Comply
73		Kalundre, Kalundre Gaon, Panvel, Navi Mumbai	2019	Operational	2	1.7	MBBR	0	Comply
74		CIDCO Karanjade	NA	Proposed	28	NA	MBBR	NA	NA
75		CIDCO Taloja Phase-I	NA	Proposed	32	NA	MBBR	NA	NA
76		CIDCO Pushpak Nagar	NA	Proposed	45	NA	MBBR	NA	NA
77	Roha Municipal Council	Kundalika River Right Bank at Survy No. 128/3A at Vill. Ashtami, about 120 mtrs. away from Kundalika River	NA	Under Construction	1	NA	MMBR, Multi Media Bio Reactor	NA	NA
78		Kundalika River Left Bank, at Survy No. 211/1/2/3/4/8/9/10/11 (0.43A) at Roha.	NA	Proposed	4	NA	--	NA	NA
79	Nashik Municipal Corporation	Chehedi STP	2006	Operational	22	22	UASB	0	Partially Comply
80		Chehedi STP	2012	Operational	21	21	ASP	0	Partially Comply
81		Panchak	2004	Operational	7.5	7.5	ASP	0	Partially Comply
82		Panchak	2012	Operational	21	21	ASP	0	Partially Comply
83		Panchak	2016	Operational	32	32	UASB+MBBR	0	Partially Comply
84		Tapvan	2003	Operational	78	78	UASB +Extended Aeration	0	Partially Comply
85		Tapvan	2010	Operational	52	52	UASB +Extended Aeration	0	Partially Comply

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86		Agar Takali	2015	Operational	70	70	ASP	0	Non-Comply
87		Agar Takali	2016	Operational	40	40	UASB+MBBR	0	Partially Comply
88		Municipal STP Gangapur	2020	Operational	18	NA	SBR	0	Partially Comply
89		Municipal STP Pimpalgaon, Baswant	NA	Proposed	32	NA	SBR	NA	NA
90	Tryambakeshwar Municipal Council	Municipal Council Tryambak	2000	Operational	1	1	FAB	0	Non-Comply
91	Shirpur Municipal Council	Municipal Council - Shirpur, TqShirpurDist Dhule	2017	Operational	12.5	8.64	SBR	8.64	Comply
92	Nandurbar Municipal Council	Municipal Council - Nandurbar, Tq and Dist Nandurbar	Nov-2018	Operational	17.5	9.3	SBR	9.3	Comply
93	Shirdi Nagarpanchyat	Shirdi, Tal-- Rahata, Dist-Ahmednagar	2015	Operational	16	9	UASB	9	Comply
94	Ahmednagar Muncipal Corporation	Ahmednagar, Tal &Dist-Ahmednagar	NA	Proposed	57	NA	Proposed	NA	NA
95	Pune Municipal corporation	Erandwane STP S.No.3&4 Erandwane	2004	Operational	50	50	Activated Sludge Process	300-500 MLD as per requirement to Irrigation department from MundhawaJackingwell pumping	Comply
96		Bopodi STP, S.No.2A, 2B, 2C, 2D &6 (P) Bopodi	03-Jun	Operational	18	15	Extended Ariation Process		Partially Comply
97		Tanajiwadi S.No.24, Shivajinagar	14-Apr	Operational	17	13	Biotower and extededariation process		Partially Comply
98		Bhairoba STP, Final plot No.330 S.No.33A, 33B Koregaon Park	03-Jul	Operational	130	80	Activated Sludge Process		Comply

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99		Mundhawa STP, S.No.2,3A,4 Mundhawa	09-Feb	Operational	45	42	Sequential Batch Process		Comply
100		Vithalwadi STP, S.No.20(P) Hingane	09-Mar	Operational	32	25	Modified Activated Sludge Process		Comply
101		Old Naidu STP, S.No.439 To 444 Pune final Plot No. 98 Knndy Road	Nov-88	Non-Operational	90	NA	Activated Sludge Process		Non-Comply
102		Baner STP, S.No.221 To 227 Baner	11-Jan	Operational	30	30	Sequential Batch Process		Comply
103		Kharadi STP, S.No.74, 75 Kharadi	12-Feb	Operational	40	40	Sequential Batch Process		Comply
104		New Naidu STP, S.No.439 To 444 Pune final Plot No. 98 Knndy Road	2010	Operational	115	115	Activated Sludge Process		Partially Comply
105		Pune Municipal Corporation, Botanical Garden, Pune	NA	Proposed	10	NA	Extended Aeration Process		NA
106		Pune Municipal Corporation, Baner,	NA	Proposed	25	NA	SBR		NA
107		Pune Municipal Corporation, Warje, Pune	NA	Proposed	28	NA	Extended Aeration Process		NA
108		Pune Municipal Corporation, Vadgaon, Pune	NA	Proposed	26	NA	Extended Aeration Process		NA
109		Pune Municipal Corporation, TanajiWadi	NA	Proposed	15	NA	Extended Aeration Process		NA
110		Pune Municipal Corporation, Naidu	NA	Proposed	127	NA	Anoxic-Oxic Process (A2O)+Power		NA
111		Pune Municipal Corporation, Dhanori, Pune	NA	Proposed	33	NA	Extended Aeration Process	NA	NA

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112		Pune Municipal Corporation, Bhairoba, Pune	NA	Proposed	75	NA	Anoxic-Oxic Process (A2O)+Power		NA
113		Pune Municipal Corporation, Mundhva, Pune	NA	Proposed	20	NA	SBR		NA
114		Pune Municipal Corporation, Kharadi, Pune	NA	Proposed	30	NA	SBR		NA
115		Pune Municipal Corporation, Matsyabij Kendra, Pune	NA	Proposed	7	NA	SBR		NA
116	Baramati Municipal council	Gunawadi Road, Baramati	2019	Operational	11.5	11.5	SBR	11.5	Comply
117	Daund Municipal Council	Daund Municipal Council STP	2016	Non-Operational	4.2	4.2	SBR	0	NA
118	Saswad Municipal Council	Saswad Municipal council STP	2015	Operational	2	2	MBBR	1	Non-Comply
119	Lonavala Municipal Council	Dongar Gaon, Lonavala	1998	Non-Operational	3.6	NA	Only civil structure is at site,STP capacity is in inhan cement	NA	NA
120	Shirur Municipal Council	Sr. No. 269, Sonar Ali, Shirur	2013	Operational	6	2.5	SBR technology	5	Comply
121	Pune Cantonment Board	900 Boottee Street, Pune	2018	Operational	20	9	SBR	Gardening - 5 acers	Comply
122	Khadaki Cantonment	Gaddi Adda, Ward No. Tamela Chawl, Khadaki.	1991	Operational	8	6	Conventional type treatment	Gardening	Non-Comply

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123	Board	East Khadali, Near Lokmanya Tilak Highschool	2003	Operational	1.2	1.2	Conventional type treatment	Gardening	--
124	Pimpri Chinchwad Municipal Corporation	Chikhali Phase I	1987	Operational	16	26.33	Extended Aeration	3	Comply
125		Chikhali Phase II	2000	Operational	16		ASP		Comply
126		Chinchwad Phase I (Bhatnagar)	2000	Operational	30	28.9	ASP	0	Comply
127		Chinchwad Phase II	2008	Operational	30	28.08	SBR	0	Comply
128		Sangvi Phase I	2011	Operational	10	6.031	ISBR	0	Comply
129		Kasarwadi I	1999	Operational	40	85.312	ASP	15	Comply
130		Kasarwadi II	2003	Operational	40		ASP		Comply
131		Kasarwadi III	July.2010	Operational	40		SBR		Comply
132		Pimple Nilekh	2007	Operational	20	18.741	Biotower	0	Comply
133		Ravet	2009	Operational	20	12.547	SBR	0	Comply
134		Akurdi	Jan. 2011	Operational	30	26.514	ISBR	0	Comply
135		Sangvi Phase II (Dapodi)	2012	Operational	20	13.774	SBR	0.65	Comply
136		Chahroli Phase I	2013	Operational	21	20.362	SBR	0	Comply
137		Chahroli Phase II	2019	Operational	20	14.3	SBR	0	Comply
138	Solapur Municipal Corporation	Degaon STP	24-08-2017	Operational	75	52.12	SBR	2.6	Comply
139		Kumathe STP	29-03-2018	Operational	12.5	5.39	SBR	0.5	Comply
140		Pratap Nagar STP	26-03-2018	Operational	15	5.22	SBR	0.5	Comply
141	Mahabaleshwar Municipal Council	compartment no. 79(City Survey no.257/1) behind KarmachariVasahat, At-Mahabaleshwar, Tal-Mahabaleshwar, Dist-Satara	2011	Operational	4	2	MMBR	2	Comply

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142		at Survey No.626, near Dhobi Ghat,At-Mahabaleshwar, Tal-Mahabaleshwar, Dist-Satara	2013	Operational	1	0.5	SBR	0.5	Comply
143	Panchagani Municipal Council	Survey No. 83/2 near Siddharthnagar,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara	2011	Operational	0.65	0.65	MBR	0.65	Comply
144		Plot no. 497/4 & 5 near Shivajinagar,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara	2011	Operational	0.35	0.35	MBR	0.35	Comply
145		Hindu Crematorium,At-Panchgani, Tal-Mahabaleshwar, Dist-Satara	2015	Operational	1.5	1.5	MBR	1.5	Comply
146	Karad Municipal Council	Bara Dabari, Karad, Tal-Karad, Dist-Satara	2017	Operational	12.5	9.5	MMBR Technology	For Irrigation Perpose 12.5	Comply
147	Malkapur Municipal Council	A/p-Malkapur Tal KaradDist-Satara	2017	Operational	5	5	MBR	0	Comply
148		A/p-Malkapur Tal KaradDist-Satara	2018	Operational	3	3	MBR	0	Comply
149	Pandharpur Municipal Council	STP Gopalpur,Pandharpur	2013	Operational	15.5	12	SBR	2.9	Comply
150		STP, 65 Acre,Pandharpur	2019	Operational	2.5	0.5	SBT	0.2	Comply
151	Kolhapur Municipal Corporation,	Kolhapur Municipal Corporation STP, Kolhapur	2014	Operational	76	55	SBR	0	Comply

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP /OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
152	Kolhapur	Kolhapur Municipal Corporation STP Dudhali, Kolhapur	2018	Operational	17	17	SBR	0	Comply
153		Kolhapur Municipal Corporation STP Bawda, Kolhapur	NA	Proposed	6	NA	SBR	NA	NA
154		Kolhapur Municipal Corporation STP Dudhali, Kolhapur	NA	Proposed	4	NA	SBR	NA	NA
155	Sangli Municipal Corporation	Dhulgaon STP	2015	Operational	27	27	Oxidation Pond	NA	Non-Comply
156		STP at Miraj	1970	Operational	9.2	9.2	Oxidation Pond	NA	Non-Comply
157		Hamumannagar STP 100 Footy road	2018	Operational	23.5	13	SBR	0	Partially Comply
158		SMKC Bedag road Miraj	NA	Proposed	22.5	NA	SBR	NA	Partially Comply
159	Ichalkaranji Municipal Council	Ichalkaranji Municipal Council Old Sangli Naka, Ichalkaranji	1995	Operational	20	14	SBR	0	Comply
160		Ichalkaranji Municipal Council Ichalkaranji STP Takawade	NA	Under Construction	18	NA	SBR	0	NA
161	Malvan Municipal Council	Malvan Council		Proposed	4	NA	NA	NA	NA
162	Aurangabad Municipal Corporation	Kanchanwadi, Aurangabad	23.12.2017	Operational	161	60	SBR	70	Non-Comply
163		Padegaon	24.04.2018	Operational	10	5	SBR	2.5	Non-Comply
164		Salim Ali Lake	28.02.2013	Operational	5	4	SBR	2	Non-Comply
165		At Zalta	16.05.2018	Operational	35	15	SBR	7	Non-Comply



Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP /OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
166		Banewadi		Proposed	10	NA	NA	NA	NA
167	Beed Municipal Council	Beed	NA	Under Construction	35	NA	SBR	NA	NA
168	Nanded Waghala Municipal Corporation	Elichpur	Nov. 2014	Operational	30	12	ASP	7	Non-Comply
169		Bondar	Nov. 2014	Operational	87	35	ASP	0	Non-Comply
170		Sangvi	Dec. 2018	Operational	15	10	ASP	0	Non-Comply
171	Nagpur Municipal corporation	Bhandewadi	2018	Operational	200	200	SBR	0	Comply
172		Bhandewadi	2016	Operational	130	130	SBR	130	Comply
173		Mankapur	2017	Operational	5	5	MBBR	0	Comply
174		Mokshadham	2017	Operational	5	5	MBBR	0	Comply
175		Kachimet (NIT)	2018	Operational	1	1	SBT ( Soil Bio Tech)	1	Comply
176		Sonegaon (NIT)	Sept. 2019	Operational	0.3	0.3	Phytorid bed Trickling Filter	0	Comply
177		HazariPahad (NIT)	Oct. 2019	Operational	4	4	SBR	0	NA
178		Somalwada-1(Ongoing work by NIT)	NA	Under Construction	20	NA	--	0	NA
179		Somalwada-2 (Ongoing work by NIT)	NA	Under Construction	20	NA	SBR	0	NA
180		Ambazari (NIT)	NA	Under Construction	3.2	NA	Phytorid bed Trickling Filter	0	NA
181		Dabha(NIT)	NA	Under Construction	5	NA	SBR	0	NA
182	Ittabhatti(NIT)	NA	Under Construction	10	NA	SBR	0	NA	

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183	Hinganghat Municipal Council	Pili MazidBhimnagar Ward, Hinganghat.	NA	Proposed	10	NA	ASP	NA	NA
184	Mouda Nagar Panchayat	Nagpur road	NA	Proposed	1	NA	ASP	Horticulture and Road cleaning	NA
185	Bhandara Municipal Council	Tumsar Road, Bhandara	NA	Proposed	15	NA	ASP	nil	NA
186	Pauni Municipal Council	Near Mandir, Pauni	NA	Proposed	5	NA	ASP	NA	NA
187	Amravati Municipal Corporation	STP-1 -Lalkhadi	2017	Operational	44	44	ASP	0	Comply
188		STP-2-Lalkhadi	2013	Operational	30.5	30.5	ASP	0	Comply
189	Akola Municipal Corporation	Shiloda	NA	Under Construction	30	NA	SBR	0	NA
190		PDKV	NA	Under Construction	7	NA	SBR	0	NA
191	Shegaon Municipal Council	S.No. 752/1, Charmori, Shegaon, Dist.-Buldana	2015	Operational	7	3.5	MBR	0	Partially Complied
192	Municipal Council Washim	Opposite to Chamunda Devi Mandir, NimazagaWashim	NA	Under Construction	8	NA	NA	NA	NA
193	Chandrapur Municipal Corporation	Pathanpura	2017	Operational	45	24	MBBR	0	Partially Complied
194		Rehmat Nagar	2017	Operational	25	22	MBBR	0	Partially Complied
195		Azad Garden	2017	Operational	0.5	0.5	MBBR	0	Partially Complied

## MIZORAM

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1.	Aizawl	Bethlehem Vengthlang (on the bank of Chite stream)	Consent to Operate Certificate has been issued on 28.11.2019.	Non-Operational	10 MLD	N.A	SBR (C-technology).	N.A	N.A

### NCT of DELHI

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP /OP/ SBR/ MBR/ FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
1	Mehrauli	Mehrauli	2003	Operational	22.73	18.91	(EA	11.4	
2	Okhla Phase II	Okhla Phase II	1983	Operational	54.55	27.24	ASP	168	
3	Okhla Phase III	Okhla Phase III	1993	Operational	168.2	145.8	ASP		
4	Okhla Phase IV	Okhla Phase IV	1993	Operational	204.57	176.6	ASP		
5	Okhla Phase V	Okhla Phase V	2001	Operational	72.74	63.5	ASP		
6	Okhla Phase VI	Okhla Phase VI	2012	Operational	136.38	120.5	ASP		
7	Molarband	Molarband	2003	Operational	3	2.3	FAB	Nil	
8	Sen Nursing Home Nallah	Sen Nursing Home Nallah	1998	Operational	10	10	ASP	10	
9	Vasant Kunj Phase I	Vasant Kunj Phase I	1988	Operational	10	7.7	Extended Aeration (EA)	7.7	
10	Vasant Kunj Phase II	Vasant Kunj Phase II	1998	Operational	13.64	7.3	Extended Aeration (EA)	7.3	
11	Ghitorni	Ghitorni	2016	Operational	22.73	2.5	ASP	1.38	
12	Delhi Gate Nallah Old Phase I	Delhi Gate Nallah Old Phase I	1998	Operational	10	10	ASP	10	
13	Delhi Gate Nallah New Phase II	Delhi Gate Nallah New Phase II	2016	Operational	68.19	68.19	ASP	5.3	
14	Kondli Phase II	Kondli Phase II	1999	Operational	113.65	113.5	ASP	13.5	
15	Kondli Phase IV	Kondli Phase IV	2013	Operational	204.57	204.57	ASP		
16	Chilla	Chilla	2014	Operational	40.91	40.91	SBR	0.91	
17	Yamuna Vihar Phase I	Yamuna Vihar Phase I	1998	Operational	45.46	45.46	ASP	2.25	
18	Yamuna Vihar Phase II	Yamuna Vihar Phase II	2002	Operational	45.46	45.46	ASP		
19	Yamuna Vihar Phase III	Yamuna Vihar Phase III	2015	Operational	113.65	113.65	ASP		
20	Akshardham	Akshardham	2010	Operational	4.55	0.5	MBR	0.5	
21	Coronation Pillar Phase I & II	Coronation Pillar Phase I & II	1957-2000	Operational	90.92	90.92	ASP	90.92	

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22	Coronation Pillar Phase III	Coronation Pillar Phase III	2001	Operational	45.46	38.59	ASP	0.091	
23	Narela	Narela	2000	Operational	45.46	18.16	ASP	0.227	
24	Rithala Phase I	Rithala Phase I	1991	Operational	90.92	90.92	ASP	18.16	
25	Rithala Phase II	Rithala Phase II	2001	Operational	181.84	181.84	ASP	14.3	
26	Rohini	Rohini	2002	Operational	68.19	22.7	ASP	1.14	
27	Keshopur Phase I	Keshopur Phase I	1957	Operational	54.55	54.55	ASP	24.97	
28	Keshopur Phase II	Keshopur Phase II	1975	Operational	90.92	90.92	ASP	Nil	
29	Keshopur Phase III	Keshopur Phase III	1990	Operational	181.84	181.84	ASP	Nil	
30	Nilothi Phase I	Nilothi Phase I	2002	Operational	181.84	68.1	ASP	2.27	
31	Nilothi Phase II	Nilothi Phase II	2015	Operational	90.92	90.92	SBR	Nil	
32	Pappankalan Phase I	Pappankalan Phase I	2002	Operational	90.92	90.92	ASP	6.81	
33	Pappankalan Phase II	Pappankalan Phase II	2015	Operational	90.92	90.92	SBR	1.5	
34	Najafgarh	Najafgarh	2002	Operational	22.73	11.35	EA	0.32	
35	Kapashera	Kapashera	2014	Operational	22.73	8.17	SBR	0.9	
36	Kondli Phase I	Kondli Phase I	1987	Under Rehabilitation	45.46	0	ASP		
37	Kondli Phase III	Kondli Phase III	2001	Under Rehabilitation	45.46	0	ASP		
38	Coronation Pillar Old	Coronation Pillar Old	1957	Under Rehabilitation	90.92	0	ASP		

## ODISHA

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply/ Non-comply/ Partially Comply)
1	Bhubaneswar	Rokat	2019	Under Construction by OISIP, JICA	48	-	ASP	-	Partially Comply
2	Bhubaneswar	Meherpalli	2020	Under Construction by OWSSB	56	-	SBR	-	do
3	Bhubaneswar	Basuaghai	2020	Under Construction by OWSSB	28	-	SBR	-	do
4	Bhubaneswar	Kochilaput	2020	Under Construction by OWSSB	43.5	-	SBR	-	do
5	Bhubaneswar	Paikarapur	2020	Under Construction by OISIP, JICA	8	-	SBR	-	do
6	Cuttack	Matgajpur	2019	Under Construction by OISIP, JICA	16	-	ASP	-	do
7	Cuttack	CDA	2018	Under Construction by OISIP, JICA	36	10	ASP	Partially used for Tree plantation and discharged to Petanallah	do
8	Cuttack	Mattagajpur	2006	Operational	33	33	WSP	Discharged to River Kathojodi	do
9	Puri	Mangalaghat	2014	Operational	15	12	Aerated Lagoon	Discharged to River Mangala	do
10	Puri	Bankimuhan	2016	Operational	5	3	Facultative Pond	Discharged to River Sea	do
11	Sambalpur	Dhanupalli	2019	Under Construction by OWSSB	40	-	-	-	do
12	Rourkela	Koel Nagar	2019	Under Construction by OWSSB	8	-	SBR	-	do
13	Rourkela	Ruptala	2019	Under Construction by OWSSB	40	-	SBR	-	do
14	Talcher	Mandapal	2018	Operational	2	2	WSP	Discharged to River Brahmani	do

## PUNJAB

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Amritsar	Amritsar (North)	2019	Operational	95	66	ASP		
2		Amritsar (South)	2019	Operational	95	92.2	ASP		
3		Amritsar (South East Zone)		Under stabilisation	27.5	0	SBR		
4	Barnala	Barnala		Under Construction	20	0	SBR		
5	Bathinda	Bathinda	2013	Operational	52	30	SBR		Not complying
6		Bathinda		Under Construction	4.5	0	ASP		
7	Bhucho	Bhucho	2012	Operational	3	2.25	WSP		Complying
8	Goniana	Goniana	2012	Operational	3	2.2	WSP		Complying
9	Kot fatta	Kot fatta	2012	Operational	1.5	1	WSP		Complying
10	Maur	Maur	2014	Operational	5	4.95	MBBR		Not Complying
11	Rampura Phul	Rampura Phul	2012	Operational	7	0	MBBR		
12	Sangat	Sangat	2012	Operational	1.5	0.8	WSP		
13	Talwandi Sabo	Talwandi Sabo	2012	Operational	3	3	MBBR		Not Complying
14	Jaito	Jaito		Under Construction	6	0	SBR		
15	Kotkapura	Kotkapura		Under Construction	8	0	SBR		
16		Kotkapura		Under Construction	6	0	SBR		
17	Mandi Gobindgarh	Mandi Gobindgarh	2017	Operational	25	24.6	SBR		Complying

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18	Bassi Pathana	Bassi Pathana		Under Construction	3	0	SBR		
19	Sirhind	Sirhind		Under Construction	5	0	SBR		
20		Sirhind		Under Construction	4	0	SBR		
21		Sirhind		Under Construction	2	0	SBR		
22	Jalalabad (DWSS)	Jalalabad (DWSS)		Operational	8	12	WSP		Not Complying
23	Abohar (AMRUT)	Abohar (AMRUT)	2015	Operational	25	23	SBR		Complying
24	Fazilka	Fazilka	2006	Operational	8	11	WSP		Not Complying
25	Ferozepur	Ferozepur		Under Construction	18	0	SBR		
26	Guru Harsahai	Guru Harsahai		Under Construction	4	0	SBR		
27		Guru Harsahai		Under Construction	1	0	SBR		
28	Makhu	Makhu	2018	Operational	4	1.5	SBR		Complying
29	Talwandi Bhai	Talwandi Bhai	2018	Operational	4	1.3	SBR		Complying
30	Zira	Zira	2013	Operational	8	6.33	MBBR		Complying
31	Dera Baba Nanak	Dera Baba Nanak	2012	Operational	1.5	1.2	WSP		Complying
32	Sri Hargobindpur	Sri Hargobindpur	2014	Operational	1	0.8	WSP		Complying
33	Dasuya	Dasuya	2013	Operational	4	0.3	WSP		Not Complying
34	Hoshiarpur	Hoshiarpur	2015	Operational	30	20	MBBR		Not Complying
35	Mukerian	Mukerian	2015	Operational	5	4	MBBR		Not



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									Complying
36	Sham Churasi	Sham Churasi	2013	Operational	1	0.8	WSP		
37	Tanda	Tanda	2017	Operational	4	3.5	SBR		Not Complying
38	Jalandhar	Jalandhar	2008	Operational	100	100	UASB		Not Complying
39		Jalandhar (Pholriwal-I)	2010	Operational	25	25	SBR		Complying
40		Jalandhar (Pir Dad)	2014	Operational	50	42	SBR		Not Complying
41		Jalandhar	2015	Operational	25	25	SBR		Complying
42		Jalandhar (Jaitewali)	2015	Operational	25	15	SBR		Complying
43		Jalandhar (Bambianwali)	2016	Operational	10	4.5	SBR		Complying
44		Nakodar	Nakodar	2018	Operational	6	4.5	SBR	
45	Phillaur	Phillaur (North)	2002	Operational	2.6	2.6	DWP		Not Complying
46		Phillaur (South)	2016	Operational	3	2	MBBR		Complying
47	Nurmahal (GLADA)	Nurmahal (GLADA)		Operational	2.6	2	MBBR		Not Complying
48	Shahkot	Shahkot		Under Construction	3	0	SBR		
49	Begowal	Begowal	2015	Operational	2.5	2	SBR		Complying
50	Bhulath	Bhulath	2014	Operational	4	3	WSP		Not Complying
51	Kapurthala	Kapurthala	2006	Operational	25	25	UASB		
52	Phagwara	Phagwara (North)	2008	Operational	20	15	UASB		Complying
53		Phagwara (South)	2015	Operational	8	8	MBBR		Not Complying

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54		Phagwara (North)	2015	Operational	8	7.25	MBBR		Complying
55	Sultanpur Lodhi	Sultanpur Lodhi	2003	Operational	2.6	2.6	WSP		Not Complying
56	Jagraon	Jagraon	2019	Operational	16	14	SBR		Not Complying
57		Jagraon		Operational	12	12	SBR		Not Complying
58	Ludhiana	Ludhiana (Balloke)	2008	Operational	152	152	UASB		Not Complying
59		Ludhiana (Bhattian)	2007	Operational	111	111	UASB		Not Complying
60		Ludhiana (Jamalpur)	2008	Operational	48	48	UASB		Not Complying
61		Ludhiana (Bhattian)	2012	Operational	50	50	SBR		Complying
62		Ludhiana (Balloke)	2011	Operational	105	105	SBR		Not Complying
63	Machhiwara	Machhiwara	2015	Operational	4	1.7	SBR		Complying
64	Sahnewal	Sahnewal	2017	Operational	7	4.25	SBR		Complying
65	Maloud (GLADA)	Maloud (GLADA)		Operational	1	1	MBBR		Not Complying
66	Mullanpur Dakha (GLADA)	Mullanpur Dakha (GLADA)	2013	Operational	3	2.85	MBBR		Complying
67	Payal (GLADA)	Payal (GLADA)		Operational	1	1	MBBR		Not Complying
68	Doraha (GLADA)	Doraha (GLADA)	2015	Operational	2.75	1.5	MBBR		Complying
69		Doraha (GLADA)	2015	Operational	1	0.8	MBBR		Not Complying
70		Doraha (GLADA)		Operational	1	0.75	MBBR		Not Complying
71	Khanna	Khanna		Under stabilisation	29	0	SBR		

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72	Baretta	Baretta	2012	Operational	3	3	WSP		Not Complying
73	Bhikhi	Bhikhi	2012	Operational	3	3	WSP		Not Complying
74	Budhlada	Budhlada	2016	Operational	6.5	5	MBBR		Complying
75	Mansa	Mansa	2016	Operational	14	1.5	MBBR		
76	Sardulgarh	Sardulgarh	2012	Operational	4	4	WSP		Not complying
77	Boha	Boha		Under Construction	2	0	SBR		
78	Moga	Moga	2013	Operational	27	10	SBR		
79	Dharamkot	Dharamkot	2018	Operational	4	3.65	SBR		Complying
80	Bagha Purana (DWSS)	Bagha Purana (DWSS)		Under Construction	3.8	0	MBBR		
81	Gidderbaha	Gidderbaha		Under stabilisation	7	0	MBBR		
82	Shri Mukatsar sahib	Shri Mukatsar sahib (DWSS)	2012	Operational	8.7	8.7	MBBR		
83		Shri Mukatsar sahib (DWSS)	2012	Operational	5.7	5.7	MBBR		
84		Shri Mukatsar sahib (DWSS)	2008	Non Operational	3.5	0	MBBR		
85	Malout	Malout	2003	Operational	3	3	WSP		Not complying
86		Malout		Operational	10	10	MBBR		Not complying
87	Banga	Banga		Operational	3	2.8	SBR		Complying
88	Nawanshahar	Nawanshahar	2015	Operational	6	5.8	SBR		Not Complying
89	Patiala	Patiala (Shermajra)	2014	Operational	46	46	SBR		Complying

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90		Patiala (Ablowal)	2014	Operational	10	10	SBR		Complying
91		Puda Patiala		Operational	13	8	FAB		Complying
92	Patran	Patran	2017	Operational	4	2.5	SBR		Complying
93	Rajpura	Rajpura		Operational	10	9.65	SBR		Complying
94		Rajpura		Operational	7	6	SBR		Not Complying
95	Samana	Samana	2011	Operational	10	7	SBR		Complying
96	Pathankot	Pathankot		Operational	27	2.7	SBR		Not Complying
97	Chamkaur Sahib	Chamkaur Sahib	2015	Under stabilisation	1.7	0	WSP		
98	Morinda	Morinda		Operational	5.5	1.5	SBR		COmplying
99	Nangal	Nangal	1994	Operational	8	8	ASP		Complying
100		Nangal (Burari)		Operational	5	5	ASP		Complying
101	Anandpur Sahib (DWSS)	Anandpur Sahib (DWSS)		Operational	8	2	MBBR		Complying
102	Ropar	Ropar, Badi haweli	2013	Operational	10	7.8	SBR		Complying
103		Ropar, Rasulpur	2014	Operational	2.5	1.2	SBR		Complying
104		Ropar, Sadavarat	2014	Operational	2	0.5	SBR		Not Complying
105	Bhawanigarh	Bhawanigarh		Under stabilisation	4	3.5	SBR		
106	Dhuri	Dhuri		Under Construction	5	0	SBR		
107	Khanauri	Khanauri	2018	Operational	3	2.2	SBR		Complying
108	Lehragaga	Lehragaga	2018	Operational	4	1.5	SBR		COmplying
109	Moonak	Moonak	2017	Operational	3	1.8	SBR		Complying

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
110	Sangrur	Sangrur		Under Construction	4	0	SBR		
111	Sunam	Sunam	2017	Operational	8	6.8	SBR		Complying
112	Banur	Banur	2014	Operational	4	2.5	MBBR		
113	Dera Bassi	Dera Bassi		Operational	4	1.2	SBR		Complying
114	Kharar	Kharar		Operational	11	9	SBR		Not Complying
115	Lalru	Lalru		Operational	1.5	0.1	SBR		Complying
116	Kurali (GMADA)	Kurali (GMADA)		Operational	5	3.2	MBBR		Complying
117	Mohali (AMRUT) (DWSS)	Mohali (AMRUT) (DWSS)		Operational	45.4	30	UASB		Not Complying
118	Zirakpur	Zirakpur	2013	Operational	17.3	13.5	SBR		Not Complying
119	Tarn Taran	Tarn Taran		Under stabilisation	9	6.9	SBR		

## PUDUCHERRY

Sl. No.	City/Town	Location of STP	Date of Commissioning	Status (Operational/ Non-Operational/ Under Construction/ Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Puducherry	Lawespet		Operational	19.5	17.5	SBR	Watering of city parks, gardens, roads etc.	
2		Kanaganeri		Operational	17	5	UASB		
3		Dubrayarpet		Operational	19.5	7	UASB		
4	Karaikal	Karaikal		Proposed	3	0			

## RAJASTHAN

Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Jaipur	Brahampuri	31-05-2008	Operational	8		SBR		
2		Dalawas	15-03-2006	Operational	62.5	Full Capacity	ASP	Disposal to adjoining Nallah	Non-Complying
3		Delawas	15-03-2006	Operational	62.5	Full Capacity	ASP	Disposal to adjoining Nallah	Non-Complying
4		Jaisinghpura Khor	2011	Operational	50	30 Approx.	ASP	Discharge into Nallah	Non-Complying
5		Jawahar Circle	04-09-2010	Under Construction	1		MBBR	Plantation & gardening in Jawahar Circle garden	Complying
6		Ramniwas Bagh	10-08-2011	Operational	1		MBBR	Plantation & gardening in Ramniwas Bagh garden	Complying
7		Central Park	31-05-2017	Operational	1	NA	SBR	Plantation & gardening in Central Park	Complying
8		Ralawata	2016	Operational	30	6 KLD	ASP	Disposal to adjoining Nallah	Non-Complying
9		M/s Jaipur Development Authority	2015	Operational	30	12 to 15	ASP	Disposal into Bandi River	Non-Complying
10		Taal Katora	NA	Under Construction	1	NA	SBR		
11	Alwar	Agyara	Jul-12	Operational	20	12 to 14 KLD	Anaerobic followed by facultative pond	Irrigation	Non-Complying
12		Bhiwadi	2012	Operational	4	Approx 04 MLD	SBR	Not being reused. Presently discharged into adjacent plot	Partially Compiled

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13	Jodhpur	Nandari	2018	Operational	20	20	OP	On land for Plantation / Horticulture after adequate treatment	Non-Complying
14		Salawas	2004	Operational	50	50	ASP	On land for Plantation / Horticulture after adequate treatment	Complying
15		Salawas Road	2011	Operational	50	50	ASP	On land for Plantation / Horticulture after adequate treatment	Complying
16	Jalore	Jalore	2013	Operational	10	45%	Waste Stabilization Pond (WSP) (Anaerobic Facultative Lagoon)	Partially Utilized for irrigation - The rest flows in downstream, creates pool of effluent and terminate- No quantification of treated effluent used for irrigation	Non-Complying
17	Jaisalmer	Jaisalmer	2014	Operational	10	10	OP	On land for Plantation / Horticulture after adequate treatment	Non-Complying
18	Ajmer	Pushkar	To be commissioned within a period of 06 months	Under Construction	3.5	1.6	MBBR	(1.6 MLD )On land for Plantation / Horticulture after adequate treatment	
19		Anasagar Lake	01.03.2016	Operational	13	9	SBR	into AnnaSagar Lake (9 MLD)	Non-Complying
20		Khanpura Nasirabad Road	To be commissioned within a period of 03 months	Under Construction	40		ASP	discharge into escape channel and irrigation purposes.	



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21	Ajmer	Kishangarh	To be commissioned within a period of 02 months	Under Construction	10	6	Waste Stabilization Pond (WSP)	irrigation purposes.	
22		PIU-Ajmer I I 8	Jul-10	Operational	20	12	ASP	discharge into escape channel and irrigation purposes.	
23	Nagaur	Nagaur	15.08.2017	Operational	8	3.5	Waste Stabilization Pond (WSP)	irrigation purposes.	Partially Compiled
24	Barmer	Barmer	2016	Operational	10	35%	Waste Stabilization Pond (WSP) (Anaerobic Facultative Lagoon)	Partially Utilized for irrigation - The rest flows in downstream, creates pool of effluent and terminate- No quantification of treated effluent used for irrigation	
25	Karoli	Karauli	11.09.2018	Operational	5	1	UASB		Complying
26	Bharatpur	Makrana	NA	Under Construction	8	NA	SBR	no quantification of treated effluent used for irrigation	
27	Dholpur	Dholpur	Jan-16	Operational	10	10	UASB		Complying
28	Sawaimadapur	Sawaimadhapur	10-10-2014	Operational	10	2.5	Facultative Stabilization Pond		Complying
29	Chittorgarh	Chittorgarh	31.01.2017	Operational	5	1	UASB	Gardening and ground recharge (1MLD)	Partially Compiled

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30	kota	Kota	2016	Operational	30	7-8 MLD	SBR	treated water is discharged into Sajidheda Nallah. This nallah also carries huge quantity of untreated sewage which has yet not been diverted at inlet of STP. Finally this mixed sewage joins river Chambal at upstream side of Kota Barrage	Non-Complying
31	kota	balita	NA	Non-Operational	6	NA	SBR	NA	Non-Complying
32	Bundi	Bundi	2018	Operational	8	2-3 MLD	SBR	treated water is discharged into natural Nallah flowing near premises of STP	Non-Complying
33	Pali	Pali	01.10.2013	Operational	10	3	Waste Stabilization Ponds	3	Non-Complying
34	Sirohi	Sirohi	2011	Operational	6	1	ASP	1	Non-Complying
35	Jhunjunu	Jhunjunu	Ready to Commission		8.5		UASB	Used in conservative forest 1056 Hectare Land for plantation and nearby farmer used in agriculture purpose	
36	Churu	Gajsar	NA	Operational	7		Waste Stabilization Ponds	Disposed in Jhohar	

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37	Churu	Churu	NA	Under Construction	2		Waste Stabilization Ponds	used in Gau shala land for agriculture purpose.	
38	Churu	Sardarsahar	Ready to Commission	Under Construction	5		Waste Stabilization Ponds	used in Gau shala land for agriculture purpose.	
39	Bikaner	Bikaner	1.10.2017	Operational	20		Waste Stabilization Ponds	on land discharge	Existing STP not compiled New STP shall be monitored after operation of the plant
40	Bikaner	Sarai nathania, Bikaner	13.12.2016	Operational	12		Waste Stabilization Ponds	Plantation	Non-Complying
41	Hanumangarh	Hanumangarh	2014	operational	7.5		Waste Stabilization Ponds	on land discharge	Non-Complying
42	Hanumangarh	Hanumangarh	Oct-17	Operational	5		SBR	Farming	Non-Complying
43	Rajsamand	Rajsamand	21.09.2017	Operational	5	1.4-1.7	UASBR	Discharged outside the STP premises (1.4 to 1.7) approx	Non-Complying
44	Kota	Kota	2013	Operational	20	12-18 MLD	ASP	treated water discharged into natural nallah.	Non-Complying
45	Bhiwara	Kuwada	01.08.2012	Operational	10	3.8	ASP	Reuse inside the plant and mines of M/s Jindal Saw Limited, N/v pur, Bhilwara	Non-Complying

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46	Jhalawar	Jhalawar	2015	Operational	3	1.7	Waste Stabilization Ponds	Treated sewage is discharged into natural nallah flowing near premises of WSP	Non-Complying
47	Jhalawar	Faisalpur, Jhalawar	2016	Non-operational	6	NA	ASP	Treated sewage is discharged into natural nallah flowing near premises of STP however during inspection the STP was non operative and no discharge observed.	Non-Complying
48	Rajsamand	Nathdwara	Presently in dismantled situation	Non-operational	4.3	NA			
49	Udaipur	Udaipur	31.01.2019	Operational	25	25	MBR	Industrial (Sent to HZL) & Gardening & Plantation in unit premises	complying
50	Bhiwara	Kuwada	NA	NA	4.5	3.8			
51	Sikar	Fatehpur Shekhawati	NA	Operational	7.5				
52	Nagaur	Didwana	July, 2017	Operational	5	3	SBR	Irrigation Purposes	Partially Compiled
53	Tonk	Tonk	NA	Under Construction	1.016	NA	NA	NA	NA
54	Jaipur	Jaipur	NA	Proposed	2	NA	SBR	NA	NA
55	Nagaur	Nagaur	22.02.2016	Operational	6	3.5	SBR	Irrigation Purposes	Partially Compiled
56	Ganganagar	Sri Ganganagar	01.01.2018	Operational	10		SBR	Farming	Non-Complying
57	Ganganagar	Sri Ganganagar	NA	Under	10		SBR	NA	NA

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				Construction					
58	Ganganagar	Sri Ganganagar	NA	Operational	15		SBR	NA	NA
59	Jaipur	Jaipur	1.4.2015	Operational	1		MBBR	used for plantation and gardening	
60	Barmer	Balotra	2016	Operational	9	55%	SBR	Discharged in natural nallah which terminates in Jojari River	Non-Complying
61	Sikar	Sikar	Constuction to be started	Proposed	5		Propesed		
62	Jaipur	Jaipur	NA	Under Construction	1	NA	MBBR	discharged into nallah	
63	Jaipur	Jaipur	NA	Under Construction	0.85	NA	MBBR	NA	NA
64	Jaipur	Jaipur	NA	Under Construction	0.38	NA	MBBR	NA	NA
65	Jaipur	Jaipur	NA	Under Construction	0.41	NA	MBBR	NA	NA
66	Jaipur	Jaipur	NA	Under Construction	0.25	NA	MBBR	NA	NA
67	Dholpur	Dholpur	Feb-18	Operational	3	3	SBR	18 Tons per month	complying
68	Chittorgarh	Chittorgarh	2002-03	Operational	1	1	Extended Aeration type Activated Sludge Process	Gardening (1 MLD)	complying
69	Chittorgarh	Chittorgarh	16.07.2017	Operational	3	2.5	SBR	discharged into river (3 MLD)	Partially Complied
70	Jaipur	Jaipur	Jun-17	Operational	3	NA	SBR	in adjoining nallah	Non-Complying

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71	Tonk	Tonk	Work terminated. Retender is in Progress	Under Construction	4	4	SBR	nil	
72	Jaipur	Jaipur	NA	Operational	1	NA	SBR	in adjoining nallah	complying
73	Pali	Pali	26-07-2019	Operational	15	4	SBR		complying
74	Tonk	Tonk	Work terminated. Retender is in Progress	Under Construction	16	16	SBR	nil	
75	Sikar	Sikar	NA	Operational	2		SBR		
76	Sikar	Sikar	Ready to Commission	NA	8		SBR		
77	Alwar	Bhiwadi	under Construction	Under Construction	3		SBR	NA	NA
78	Alwar	Bhiwadi	2019	Operational	1.5	1	SBR	Not being reused. Presently discharged into adjacent plot	Partially Compiled
79	Alwar	Bhiwadi	2020	Operational	2	0.05	SBR	Not being reused. Presently discharged into RIICO drain	Partially Compiled
80	Alwar	Bhiwadi	under Construction	Under Construction	3		SBR		
81	Alwar	Bhiwadi	under installation	under installation	2	NA	SBR	NA	NA
82	Jhunjunu	Jhunjunu	Civil and mechanical work completed and electrical work pending	Under Construction	7		SBR	used in conservative forest 1056 hectare land for plantation and near by farmer used in agriculture purpose.	
83	Bhadra	bhadra	NA	Under	3.5	NA	SBR	NA	NA

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				Construction					
84	Ganganagar	Suratgarh	NA	Under Construction	2.5	NA	SBR	NA	NA
85	Ganganagar	Suratgarh	NA	Under Construction	2.5	NA	SBR	NA	NA
86	Hanumangarh	bhadra	NA	Under Construction	1	NA	SBR	NA	NA
87	Ajmer	Beawar	30.07.2020	Proposed	5	2	SBR	Irrigation Purpose	
88	Chittorgarh	Chittorgarh	NA	Under Construction	1	NA	SBR	NA	NA
89	Chittorgarh	Chittorgarh	NA	Under Construction	2	NA	SBR	NA	NA
90	Jhunjunu	Nawalgarh	31.03.2021	Proposed	3		SBR	Irrigation Purpose	NA
91	Jhunjunu	Jhunjunu	25.11.2020	Proposed	1		SBR	Irrigation Purpose	NA
92	Jhunjunu	Chirawara	Ready to Commission	Proposed	3		SBR		
93	Sikar	Ramgarh Shekawati	Ready to Commission	Proposed	2	NA	SBR	NA	NA
94	Sikar	Laxmangarh	Ready to Commission	Proposed	1	NA	SBR	NA	NA
95	Sikar	Laxmangarh	Ready to Commission	Proposed	1.5	NA	SBR	NA	NA
96	Churu	Churu	Jun-21	under Construction	2.5	NA	SBR		
97	Ajmer	Beawar	25.11.2020	Proposed	1.5	0.6	SBR	irrigation purpose	
98	Udaipur	Udaipur	2015	Operational	20	20	MBR	Industrial (used by HZL) & Gardening & Plantation in unit premises	Complying
99	Ajmer	Beawar	30.10.2020	Proposed	4	1.6	SBR	irrigation purpose	
100	Udaipur	Fatehnagar	NA	Proposed	1	0.4	SBR	NA	NA

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101	Churu	Churu	Jun-21	under Construction	1	1	SBR		
102	Chittorgarh	Badi Sadri	NA	Non-operational	2.5	NA	NA	NA	NA
103	Banswara	Kushalgarh, Banswara	NA	Proposed	1	NA	NA	Not Applicable	Not Applicable
104	Chittorgarh	Railway colony chittorgarh	NA	Under Construction	1	NA	SBR	Not Applicable	Not Applicable
105	Chittorgarh	Bundi road	NA	Under Construction	1	NA	SBR	Not Applicable	Not Applicable
106	Churu	Gas Agency Dumping Yard, Sujangarh Churu, Rajasthan	Jun-21	Under Construction	5.5		SBR		
107	Churu	near Gularia Hotel , Khasra no. 787, 246 city Sujangarh	Jul-21	Under Construction	2		SBR		
108	Jodhpur	Near Basni Benda Jodhpur	NA	Civil work is under progress	40	40	To be updated	NA	NA
109	Pali	Khasra No.432/222 Karoliya village on Nimbola Road, Tehsil - Pali, District- Pali	01.10.2019	Operational	2	1	SBR	1	Complying
110	Bikaner	Near Kali Mata Temple, Sujandesar, Tehsil and District- Bikaner	NA	Under Construction	20	NA	SBR	NA	NA
111	Bharatpur	Khasara No 44, Ikaran, Village-Nagla Gopal ,	NA	Under Construction	5	NA	SBR	NA	NA



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		Bharatpur							
112	karauli	Khasara No. 5430, Near Ganesh Hotel, Hindaun City	NA	Under Construction	3	NA	SBR	NA	NA
113	karauli	Jaccha Ki Bawri, Tehsil-Hindaun City, district-Karauli	NA	Under Construction	0.75	NA	SBR	NA	NA
114	Sawai Madhopur	Khasra No. 275, Gangapur City, Sawai Madhopur	NA	Under Construction	2.5	NA	SBR	NA	NA
115	Sawai Madhopur	Khasara No. 167, Hingotia, Gangapur City	NA	Under Construction	5.5	NA	SBR	NA	NA
116	Sawai Madhopur	Khasra No 152, 153 STP (2.5) MLD, Nagar Parishad, Gangapur City	NA	Proposed	1.5	NA	SBR	NA	NA
117	Chittorgarh	behind shamshan ghat Karthana Road STP, Nimbahera	NA	Under Construction	2	NA	SBR	NA	NA
118	Chittorgarh	near Kasod Basti, Nimbahera Tebsil.-Nimbahera	NA	Under Construction	1	NA	SBR	NA	NA
119	Bikaner	ward no. 7, Nokha	2012	Non-operational	1	NA	MBBR	NA	NA
120	Churu	Gopal Goushala Land Near Salasar Road, Khasra No. 202, Sujangarh, Churu	Jun-21	Under Construction	1.5		SBR		
121	Nagaur	Ambuja Cement Ltd., Marwar Mundwa, Mundwa, Nagaur	31.03.2021	Under Construction	0.3	NA	MBBR	Industrial use in Ambuja Limited	

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122	Udaipur	near FCI Godown ,Tehsil Girwa, Udaipur	05.06.2020	Operational	10	NA	SBR		Complying
123	Udaipur	Near Karjali House Tehsil Girwa, Udaipur	NA	Under Construction	5	NA	SBR	NA	NA
124	Bhiwara	Village- Kuwada, District- Bhilwara	NA	Under Construction	30	NA	SBR		
125	Bikaner	at Village - Sujadesar (khasra no.341,357,358,3 59,360) Bikaner	NA	Proposed	0.02	NA	NA	NA	NA
126	Hanumangarh	Hanurnangarh Town, District-Hanumangarh	NA	Proposed	2	NA	SBR	NA	NA
127	Hanumangarh	Hanumangarh Junction, Hanumangarh	NA	Proposed	4	NA	SBR	NA	NA
128	Bundi	Bibnawa Road, Tehsil:- Bundi	NA	Proposed	0.5	NA	To be updated	NA	NA
129	Bundi	near Gandhi Gram Tehsil.- Bundi	NA	Proposed	0.5	NA	To be updated	NA	NA
130	Ajmer	Kundan Nagar, Beawar, Ajmer	25.11.2020	Proposed	1	0.4	SBR	Irrigation Purposes	
131	Sikar	Gogamedi, Ramgarh Shekhawati	Mar-20	Under Construction	1	NA	SBR	NA	NA
132	Kota	Dhakar Kheri	NA	Proposed	40	NA	SBR	NA	NA
133	Nagaur	Khasra No. 405, STP station road, bad i kuwa	March, 2021	Proposed	1.5	1	SBR	Irrigation Purposes	
134	Kota	K.no. 1146, 1189, 1192, 1193, 1217, 1218, 1220, 1277, 1281-1284, 1286,	NA	Proposed	15	NA	SBR	NA	NA

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		Kala Talab, Dhakar Kheri							
135	Pali	Near E.S.I Hospital	03.10.2013	Operational	7.5	2	ASP	2	Non Complying
136	Jhunjunu	Khasra no. 72 I , Bhagat Singh Joha ,Nawalgarh,Jhunjhunu		NA	1	NA	SBR	Irrigation Purposes	NA
137	Churu	At near Gaushala Bikaner road Sardarshar			2		Waste Stabilization Ponds	used in Gaushala land for agriculture purpose	
138	Jhunjunu	Bhageniya Johda, Chirawa, Jhunjhunu			2		SBR		
139	Chittorgarh	near Ambamata temple, neemuch highway, Nimbahera, Tehsil:- Nimbahera, C		NA	4.5	NA	SBR	Not Applicable	Not Applicable
140	Laxmangarh	Near Todikui, Sikar	Mar-21	NA	3	NA	SBR	Not Applicable	Not Applicable

## SIKKIM

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1	Gangtok	Adampool		Functional	8	8	FAB		
2		Adampool		Functional	4.69	3	FAB		
3		Ranipool		Functional	1.27	1	EMMAR		
4		Zone - IV		Functional	3.9	1.95	FAB		
5		Zone - II		Under Construction	1.6	0	SBR		
6		Zone - III		Proposed	3.25	0			
7		Singtam		Functional	0.66	0.66	MBR		
8		Rangpo		Proposed	1.4	0			
9		Namchi		Proposed	3.63	0	FAB		
10		Jorethang		Proposed	1.7	0	MBBR		
11		Meilli		Proposed	0.5	0	MBBR		

**TAMIL NADU**

Sl. No	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational/ Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB/ ASP/OP/ SBR/ MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Ariyalur	Ariyalur	05-03-2018	Operational	4.16	0.7	Activated Sludge Process	0.7	Complied
2	Perambalur	Perambalur	31-12-2010	Operational	4.2	3.2	ASP	3.2	Complied
3	Chennai	Kodungaiyur	01-08-2006	Operational	110	110	ASP	TTP RO - 65 MLD, Industry Supply - 25 MLD	Complied
4		Kodungaiyur	01-04-1985	Operational	80	40	ASP	Nil	Complied
5		Kodungaiyur	01-05-1986	Operational	80	40	ASP	Nil	Complied
6		Koyambedu	10-07-2005	Operational	60	60	ASP	Nil	Complied
7		Koyambedu	22-12-2014	Operational	120	120	ASP	TTP RO - 65 MLD	Complied
8		Koyambedu	05-07-1978	Operational	34	34	ASP	nil	Complied
9		Nesapakkam	20-05-2006	Operational	40	40	ASP	Nil	Complied
10		Nesapakkam	01-10-2014	Operational	54	54	ASP	Nil	Complied
11		Nesapakkam	Apr-74	Operational	23	23	ASP	Irrigation	Complied
12	Coimbatore	M/s. CBE Corporation STP at Ukkadam	26-02-2011	Operational	70	30	SBR	30 MLD	Complied
13		M/s. CBE Corporation STP at Ondipudur	14-04-2016	Operational	60	5	SBR	5 MLD	Complied
14	Cuddalore	M/s. Cuddalore Municipality UGSS S.F.No.1508	20-01-2010	Operational	12.25	12.25	ASP	12.25MLD	Partially Complied
15	Dharmapuri	M/s. Dharmapuri Municipality UGSS S.No.474/5	01-05-2009	Operational	4.86	1	ASP	1 MLD disposed to inland surface water in turn used for irrigation	Complied

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16	Dharmapuri	M/s. Hogenakka 1 UGSS STP S.No. 1103/4,6,7	23.10.2016	Operational	0.35	0.35	Fluidised Bed Bio Reactor (FBBR)	0.35 MLD used for Gardening	Complied
17	Dindigul	Dindigul	19.11.2012	Operational	13.65	2.5	ASP	2 MLD-Mixed with treated tannery effluent and 0.5 MLD- irrigation on their own land	Complied
18	Chennai	Greater Chennai Corporation	01.08.2006	Operational	54	54	ASP	Treated Sewage 54 MLD discharged into Buckingham canal	Complied
19		Greater Chennai Corporation	24.02.2009	Operational	60	60	ASP	Treated Sewage 60 MLD discharged into Buckingham canal	Complied
20		Greater Chennai Corporation	02.07.2003	Operational	12	12	ASP	Treated Sewage 12 MLD discharged into Buckingham canal	Complied
21		Greater Chennai Corporation	31.01.2018	Operational	18	18	SBR	Treated Sewage 18 MLD discharged into Buckingham canal	Complied
22	Chengalpattu	Maraimalainagar	28.02.2010	Operational	2.2	2.2	ASP	Treated Sewage 2.2 MLD discharged into Ninnaikarai Eri	Complied
23		Mamallapuram	05.10.2015	Operational	2.34	2.34	ASP	Treated Sewage 2.34 MLD discharged into Buckingham canal	Complied

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24		Kancheepuram Municipality	01.09.2010	Operational	14.71	14.71	Anaerobic Pond	-	SCN issued
25	Karur	Karur	14.01.2005	Operational	15	15	ASP	Let it to inland water bodies and used for irrigation. 15 MLD	Complied
26	Hosur	Hosur	20.09.2017	Operational	9	9	UASB	7.69 MLD	Complied
27	Madurai	Sakkimangalam	01.01.2010	Operational	45.7	12	SBR	on land for irrigation-Fodder craft	Complied
28		Avaniyapuram	01.01.2010	Operational	125	20	SBR	on land for irrigation-Fodder craft	Complied
29	Nagapattinam	Nagapattinam	18.04.2016	Operational	9.63	4	ASP	Into River Devanadhi	Complied
30		Mayiladuthru Rai	01.01.2005	Operational	6	6	op	Irrigation 6 MLD	Complied
31	Thiruvarur	Thiruvarur	24.09.2014	Operational	6.92	4	MBR	Irrigation 4 MLD	Complied
32	Namakkal	Namakkal	26.10.2013	Operational	5	5	ASP	5 MLD	Complied
33		Namakkal	25.02.2019	Operational	6.96	1.2	ASP	1.2 MLD	Complied
34	Nilgris	Nilgris	1992	Operational	5	4	ASP	Discharged in to Kamarajar Sagar Dam	Generally Complied
35		Nilgris	2013	Operational	2	1.5	ASP	Discharged in to Udhagamandalam lake	Generally Complied

Sl. No	City/Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP/OP / SBR/MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
36	Pudukkottai	Pudukkottai	Jan-17	Operational	10.62	5.5	ASP	The Municipality has provided closed pipe line to discharge the treated sewage quantity of 5.5 MLD in to Maruppani Eri which confluences with Gundaru River	Complied
37	Ramanathapuram	Ramanathapuram	06.11.2013	Operational	8.19	5	ASP	Discharged into surplus course of River Vaigai	Complied
38	Salem	Salem	22.06.2015	Operational	13	2	Modified ASP	2	Within Standards (pH, faecal coliform, Total Coliform) Exceeded the standards (TSS, BOD, COD, Ammonical Nitrogen, Total Nitrogen, Dissolved Phospate)
39		Salem	2019	Operational	6	1	FAB	-	Within Standards (pH, BOD, faecal coliform, Total Coliform) Exceeded the standards (TSS, COD, Ammonical Nitrogen, Total Nitrogen, Dissolved Phospate)
40		Salem	22.10.2006	Operational	5.45	1.7	ASP	-	Within Standards (pH, BOD, COD, Ammonical Nitrogen, Feacal coliform, Total Coliform) Exceeded the standards (TSS, Total Nitrogen)



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41	Salem	Salem	22.10.2016	Operational	0.92	0.13	ASP	-	Within Standards (pH, BOD, COD, Ammonical Nitrogen, Total Nitrogen, Faecal coliform, Total Coliform) Exceeded the standards (TSS)
42		Salem	31.03.2017	Operational	0.82	0.27	ASP	-	-
43	Thanjavur	M/s. Thanjavur Municipality STP	01.01.2001	Operational	28.05	28.05	ASP	CTE-03/08/2004 CTO 03/08/2015 RCO Valid upto 30.09.2017	Consent fee not paid. Revamping works are under progress.
44		M/s. STP Kumbakonam Municipality	01.01.2002	Operational	15	15.00	ASP	CTO 10/09/2009 RCO issued on 15.10.2014, Valid upto 31.03.2015	Compiled
45		M/s. STP Orathanadu Town Panchayat	01.01.2014	Operational	1.5	1.5	ASP	CTE-22/12/2014 CTO-27/04/2016 Valid upto 31.03.2017	Compiled
46	Theni	Theni Allinagaram Municipality	01.09.2014	Operational	12.05	5.5	ASP	on land for irrigation-5.5 MLD	Compiled
47		Chinnamanur Municipality STP	21.06.2011	Operational	3.99	3.6	ASP	on land for irrigation-3.6 MLD	Compiled
48		Bodinaickanur Municipality STP	29.01.2018	Operational	12.08	2.5	ASP	on land for irrigation-2.5 MLD	Compiled
49		Periyakulam Municipality STP	01.07.2017	Operational	5.47	4	ASP	on land for irrigation-4.0 MLD	Compiled
50	Thoothukudi	Tiruchendur Town Panchayat	03.04.2017	Operational	4.39	4	ASP	Treated effluent disposed to sea	Yet to apply CTO
51	Thirunelveli	Thirunelveli	01.04.2007	Operational	24.2	8	Waste Stabilization Pond	Disposed in irrigation channel-8 MLD	Not Compiled, Direction issued vide Bd's Proc. No. T1/TNPCB/F.10807/T NV/2020 Dated 25.06.2020

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52	Tiruppur	Tiruppur Corporation	22.11.2007	Operational	15	7.5	Conventional ASP	7.5 MLD Presently let into Nallar odai which finally reached Noyyal river	Generally Compiled
53		Udumalpet	31.12.2013	Operational	7.81	3.4	ASP	3.4 MLD - To nearby odai for Agricultural purpose.	Compiled with standards
54	Tiruvallur	Tiruvallur Municipality	2016 (Yet to obtain CTO, NGT Case involved)	Operational	6.208	2	ASP	Discharged partly into Putlur Eri and remaining quantity into cooum river	Yet to obtain CTO. Meeting the discharge standards
55		Avadi City Municipal Corporation	01.01.2019	Operational	4	1	ASP	Discharged partly Muthapupet lake	yet to obtain consent
56		Tirumazhisai Town Panchayat STP	04.11.2019	Operational	3	1.6	ASP	Cooum River near the Thiruverkadu Minor Canal	compiled
57	Tiruvannamalai	Tiruvannamalai	01.06.2009	Operational	8.7	2.5	ASP	Disposed to Olaiyaru River	compiled
58	Trichy	Trichy	01.05.2007	Operational	88.64	55.32	stabilization pond technology	55.32 KLD used for tree plantaion and excess treated sewage into River Koraiyar	compiled
59	Vellore	Vellore City Municipal Corporation STP	30.09.2015	Operational	10.28	7.5	ASP	Discharged to Velavadi Eri for irrigation to the nearby Agricultural Land	CTE Issued vide Proc. 09.02.2010
60	Ranipet	Sholingur Liquid Waste Management System	2010	Operational	7	2	Reed Bed Filter Technology	Partly used for plantation/Gardening and remaining discharged to Nandhi River	Not applied
61	Villupuram	Villupuram	2015	Operational	9	NA	ASP	9	Not Compiled
62	Villupuram	Villupuram	2015	Operational	3.5	NA	ASP	3.5	Not Compiled
63	Virudhunagar	Virudhunagar	19.10.2014	Operational	7.65	3.5	ASP	Inland surface water	Compiled

**TELANGANA**

Sl. No	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)	
1	Hyderabad	Amberpet	2009 (September)	Operational	339	300	UASB	Disposal to Musi River	Complying	
2		Miralam Tank Phase I	2007 (March)	Operational	10	9.5	ASP + EA	Into Miralam tank and as well gardening purpose	Complying	
3		Miralam Tank Phase II	2007 (March)	Operational	5	5	ASP + EA	Into Miralam tank and used for gardening purpose in Zoo park	Complying	
4		Kharitabad	1998	Operational	20	20	SBR	Into Hussainsagar Lake	Complying	
5		Langer House	2005	Operational	1.2	1	ASP + EA	Into Langer House Lake	Complying	
6		Attapur Phase I	2013	Operational	23	20	SBR	River Musi	Partially Complying (Exceeding the stipulated standards for BOD)	
7		Attapur Phase II	2013	Operational	51	45	SBR	River Musi	Complying	
8		Krishna Kanth Park			Non Operational	0.5	0.5	EA	Gardening	Under Maintenance
9		Jalagam Vengal Rao	2007	Operational	0.5	0.5	EA	Gardening and Discharging into small Lake inside the park	Complying	
10	Rangareddy	Nagole	2008 (December)	Operational	172	172	UASB	To Musi River	Partially Complying (Exceeding the stipulated standards for BOD)	
11		Nalla Cheruvu	2009 (June)	Operational	30	30	UASB	To Musi River	Complying	
12		Nacharam	2006	Operational	10	10	EA	Pedda Cheruvu Nacharam	Complying	
13		Durgam Cheruvu	2007	Operational	5	5	ASP	Durgam Cheruvu	Complying	

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								and resued for gardening at shilpaparam and KBRN park	
14	Rangareddy	Sarooranagar	2000	Operational	2.5	0.8	ASP	Into Sarooranagar Cheruvu	Complying
15	Secunderabad	KIMS	2013	Operational	30	30	ASP	Into Hussainsagar Lake	Complying
16	Rangareddy	Safilguda	2001 (July)	Operational	0.6	0.6	ASP	Into Safilguda Lake	Complying
17		Nanakramguda	2015	Operational	4.5	4	MBBR	Pedda Cheruvu Nanakramguda	Complying
18		Khajaguda	2015	Operational	7	5.5	MBBR	Khajaguda Lake	Partially Complying (Exceeding the stipulated standards for BOD)
19		Khazakunta	2009 (July)	Operational	12	12	MBBR	Khazakunta Lake	Complying
20		Pragathi Nagar	2009	Operational	2.5	2.5	ASP	Pragathi Nagar Lake	Under Maintenance
21		Rangadhamuni	2012	Operational	5	4.5	ASP	Into Rangadhamuni Cheruvu	Complying
22		Noor-Mohammed Kunta	2009	Operational	4	4	ASP + EA	To noor Mohd Kunta Lake	Complying
23	Patel Cheruvu	2004	Operational	2.5	2.5	EA	Patel Cheruvu Nacharam	Complying	
24	Vikarabad	Vikarabad Sakaliguda near Aalampally	2015	Operational	13	6	MBBR	Reuse by Golf Club	Complying
25	Karimnagar	Karimnagar Municipal Corporation	2019	Operational	38	2	MBBR	Gopal Cheruvu	Complying
26	Miryalaguda	Thallagadda	Yet To be commisiioned		11.5	0	ASP	Thallagadda Cheruvu	Yet to commission as sewer connections are to be given
27	Miryalaguda	Ramnagar Bandam		Under Construction	5.45	0	ASP		Under construction
28	Nizamabad	Dubba, Nizamabad	2020	Operational	31.5	6.5	MBBR	Phulang vagu	Complying

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29		Yellamagutta	2020	Operational	15	2.5	MBBR	Yellaiah tank	Complying
30	Siddipet	Chintla Cheruvu at Siddipet	2020	Operational	7.25	5	MBBR	Chintla Cheruvu / Mandapallivagu	Complying
31		Narsapur Cheruvu	2020	Under Construction	11	0	SBR	Narsapur Cheruvu	Under Construction
32	Nalgonda	Nalgonda	2020	Under Construction	2.55	0	ASP		Under Construction
33	Serilingampal	Gopannapally		Under Construction	4.5	0	MBBR	Proposed to discharged into Gopanpally Cheruvu	Construction completed yet to commission
34	Ramagundam	River Godavari at Ramagundam	2003	Non Operational	4	0	OP	River Godavari	Not in Operational
35		Malkapur on River Godavari	1998	Non Operational	14	0	OP	River Godavari	Not in Operation
36	Bhadrachala	Bhadrachalam near River Godavari	2000	Non Operational	2	0	OP	River Godavari	Not in Operation
37	Mancherial	River Godavari at Mancherial Reddy Colony	1998	Non Operational	4	0	OP	River Godavari	Not in Operation

### TRIPURA

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non-Operational / Under Construction / Proposed)	Installed Capacity of STP (In MLD)	Actual Utilization of Installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated sewage with quantity	Compliance status (Comply / Non-comply / Partially Comply)
1	Agartala	Near Lanka Mura, W - 02, Chandina Mura, Agartala, West Tripura	October, 2016	Operational	8	1.5	SBR	Watering of city parks, gardens roads etc	Comply

## UTTAR PRADESH

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non Operational/ Under Construction )	Installed Capacity of STP (In MLD)	Actual Utilization of installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated Sewage with Quantity	Compliance Status (Comply / Non Comply)
1	Agra	Dhadhupura, Agra	2001	Operational	78	68.41	UASB	Agriculture (on land)	Compliance
2		Budi ka Nagla, Agra	2001	Operational	2.25	2.97	Oxidation Pond	River Yamuna	Non-Compliance
3		Peelakhar, Agra	2001	Operational	10	9.74	Oxidation Pond	River Yamuna	Non-Compliance
4		Devri Road, (Bhimnagri), Agra	2011	Operational	12	6.35	UASB	River Yamuna	Compliance
5		Jaganpur, Sikandarpur, Agra	2011	Operational	14	13.39	UASB	Agriculture (on land)	Compliance
6		Sadarban, Bichhpuri, Agra	2013	Operational	40	18.73	UASB	Agriculture (on land)	Compliance
7		Dhadhupura (New), Agra	2014	Operational	24	18.91	UASB	Agriculture (on land)	Compliance
8		Sadarwan (Bichpuri) New	2018	Operational	36	36	SBR	Land/ Agra canal	Compliance
9		Kalindi Vihar, Agra	2014	Operational	4.5	4.5	UASB	Karwan River	Compliance
10	Bijnor	Khasra No. 634, Vill- Khedki, Tehsil- Bijnor, District- Bijnor	December, 2018	Operational	24	11	UASB	~2 MLD irrigation and ~9 MLD discharged in water body (drain)	Complying
11	Kannauj	U.P. Jal Nigam (13 MLD) STP sewage treatment plant, Jalalur, Amara, Kannauj		Operational	13	10	MBR	drain into Kali River	Comply
12	Saharanpur	STP, Mahilpur Road	1998	Operational	38	38	UASB	Discharge in river	comply
13	Noida	33 MLD, Sector-54, Noida	2011	Operational	33	26	SBR	20	Comply

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14	Noida	25 MLD, Sector-50, Noida	2015	Operational	25	20	SBR	27	Comply
15		35 MLD, Sector-123, Noida	2011	Operational	35	28	SBR	26	Comply
16		50 MLD, Sector-168, Noida	2015	Operational	50	40	SBR	43	Comply
17		34 MLD, Sector - 50 Noida	2012	Operational	34	27	SBR	28	Comply
18		54 MLD, Sector-54, Noida	2012	Operational	54	43	SBR	40	Comply
19	Meerut	03 MLD, Pandav Nagar, Meerut	2013	Operational	3	2.7	ASP	-	Comply
20		07 MLD, Pallavpuram-1, Meerut	2012	Operational	7	6.5	ASP	-	Comply
21		10 MLD, Lohiya Nagar, Meerut	2010	Operational	10	2	ASP	-	Comply
22		15 MLD, Shatabdinagar, Meerut	2010	Operational	15	4.8	ASP	-	Comply
23		11 MLD, Pallavpuram-2, Meerut	2008	Operational	11	8	MBBR Technology	-	Comply
24		15 MLD, Vedvyaspuri Meerut	2010	Operational	15	4.5	ASP	-	Comply
25		06 MLD, Rakshapuram, Meerut	2011	Operational	6	4.4	ASP	-	Comply
26		06 MLD, Shradhapuri-1, Meerut	2010	Operational	6	5.5	ASP	-	Comply
27		06 MLD Sainik Vihar	2017	Operational	6	5.95	UASB	-	Comply



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28	Meerut	5 MLD Modipuram Tiraha	2016	Operational	5	4.9	-	-	Comply
29		07 MLD, Sports Goods Complex, Meerut	2012	Operational	7	4	ASP	-	Comply
30		10 MLD, Ganga Nagar, Meerut	2011	Operational	10	3.8	SBR	-	Comply
31		72 MLD Garh road (Jagrati vihar)	2018	Operational	72	65	SBR	-	Comply
32		06 MLD, Shradhapuri-Phase-2, Meerut	2012	Operational	6	5.6	ASP	-	Comply
33	Muzaffar Nagar	Muzaffar Nagar	2002	Operational	32.5	2.0	OP	Discharged in River Kali West	Partially Comply
34	Lucknow	STP, Bharwara	2011	Operational	345	345	USAB Reactor	345	Comply
35		STP, Daulatganj	2002	Operational	42	14	FAB Technology	56	Partially Comply
36			2011	Operational	42				
37		37.5 MLD Awas vikas Parishad STP		Operational	37.5	12	SBR	5	Partially Comply
38		6.5 MLD Awas vikas Parishad		Operational	6.5	5	SBR	12	Partially Comply
39	Prayagraj	STP Salori	2007	Operational	29	25.89	FAB	Discharge in River Ganga through drain	Comply
40			2016	Operational	14	16	SBR	Discharge in River Ganga through drain	Comply

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41	Prayagraj	STP Naini	1999 (60MLD)	Operational	60	60.89	Activated sludge process	Partially used for irrigation/ Discharge in River Yamuna through drain	Comply
42			2013 (20MLD)	Operational	20			Comply	
43		STP Rajapur	2013	Operational	60	79.21	UASB	Discharge in River Ganga through drain	Comply
44		STP Ponghat	2013	Operational	10	6.54	Bio tower	Discharge in River Ganga through drain	Comply
45		STP Numayadahi	2013	Operational	50	55	Bio tower	Discharge in River Yamuna through drain	Comply
46		STP Kodra	2013	Operational	25	29.4	Bio tower	Discharge in River Ganga through drain	Comply
47	Ghaziabad	74 MLD, Indirapuram, Ghaziabad	2013	Operational	74	35-40	SBR		Compliant
48		56 MLD, Trans Hindon, Indirapuram, Ghaziabad	2000	Operational	56	45-50	UASB		Non-Compliant
49		56 MLD, Indirapuram, Ghaziabad	2012	Operational	56	50-56	SBR	GDA Park	Compliant
50		56 MLD, Dudahaida Vijay Nagar Ghaziabad	2013	Operational	56	50-56	SBR		Compliant
51		70 MLD Dudahaida Vijay	2000	Operational	70	50-60	UASB		Non-Compliant

Sl. No.	City/ Town	Location of STP	Date of Commissioning	Status (Operational / Non Operational / Under Construction )	Installed Capacity of STP (In MLD)	Actual Utilization of installed Capacity (In MLD)	Technology (UASB/ ASP/ OP/ SBR/MBR/ FAB etc.)	Use of treated Sewage with Quantity	Compliance Status (Comply / Non Comply)
		Nagar Ghaziabad							
52	Ghaziabad	56 MLD, Govindpuram, Ghaziabad	2014	Operational	56	11	SBR	Irrigation, Farming and construction	Compliant
53		56 MLD, Morty, Ghaziabad	2018	Operational	56	14-16	SBR		Compliant
54		30 MLD, M.B.B.R, Sadullabad, Loni	2012	Not Operational	30	--	MBR	--	Non-Compliant
55		Bapudham	2014	Operational	56	1--2	SBR	Irrigation, Farming and construction	Compliant
56		5 MLD STP Tronica city, loni	2019	Operational	5	2--3	MBR	Green belts development	Compliant
57	Hapur	3 MLD Pilkhuwa	2015	Operational	3	1.9-2.5	UASB		Compliant
58		6 MLD STP Garh zone Garhmukteshwar Hapur	2011	Operational	6	3.5	SBR	Irrigation	Compliant
59		3 MLD Brijghat zone Garhmukteshwar Hapur	2011	Operational	3	1	SBR	Irrigation	Compliant
60	Sultanpur	Sultanpur Hathia Nala		Operational	5	5	Oxidation Pond	None	Not complying
61	Pratapgarh	Pratapgarh	2014	Not Operational	8.95	8.95	FAB		

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62	Varanasi	STP Goithaha	19-02-2019	Operational	120	30	SBR	Discharge into River Ganga through Sharda Canal	Partially Complying
63		STP Dinapur 140 MLD	11-11-2018	Operational	140	85	ASP	Discharge into River Ganga through Varuna	Partially Complying
64		STP Dinapur 80 MLD	1994	Operational	80	80	ASP	Discharge into River Ganga	Partially Complying
65		STP DLW	6-4-1989	Operational	12	8	ASP	Discharge into River Ganga	Partially Complying
66		STP Bhagwanpur	1989	Operational	9.8	9.8	ASP	Discharge into River Ganga	Partially Complying
67	Ayodhya	Ayodhya	2014	Operational	12	6	UASB	6-7 MLD	Comply
68	Sonbhadra	14 MLD STP Pakka Pokhra, Mirzapur	1994	Operational	14	1	UASB	Discharge in River Ganga	Partially Comply
69		4 MLD STP Vindhyachal, Mirzapur	2008	Operational	4.0	0.63	Oxidation Pond	Discharge in River Ganga	Partially Comply
70	Banda	Karvi Chitrkoot		Not Operational	2.92		Oxidation Pond		Not Operational
71		Kanwara Road, Banda	2010	Not Operational	4.0	3.6	OP	Land	Not Obtained
72	Chitrakoot	Sitapur Gramin	2000	Operational	3.46	3.46	OP	River & Field	Not Obtained
73	Moradabad	Moradabad		Not Operational	20				
74		Moradabad	2018	Operational	58	18	SBR	NO	NO
75	Rampur	Rampur	2015	Operational	15	0.07	UASB	NO	NO
76			2016	Operational	14	0.11	UASB	NO	Yes

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77			2016	Partially Operational	5	0.003	SBR	NO	NO
78	Bulandshahr	0.805 MLD, Ahara Road, Zone-A, Anoopshahar	2003	Operational	0.805	0.25	Oxidation Pond	For Irrigation	Comply
79		1.75 MLD, Ahara Road, Zone-B, Anoopshahar	2003	Operational	1.75	0.75	Oxidation Pond	For Irrigation	Comply
80		04 MLD Narora (NGRBA)	2015	Operational	4	2	SBR	In River	Comply
81		2.25 MLD, Narora Atomic power Station Narora Township	2000	Operational	2.25	1	Activated Sludge Process	In River	Comply
82		1.5 MLD Anoopshahar Zone A (NGRBA)	2016	Operational	1.5	1.25	MBBR Technology	For Irrigation	Comply
83		STP, Zone-B Anoopshahar	2016	Operational	1	0.75	MBBR Technology	For Irrigation	Comply
84	Gorakhpur	30 MLD STP, Near Manayar Kashiram Sahri Garib Avas Yojna, Deoria By Pass Road, Gorakhpur.	01.02 2015	Operational	30	24	SBR	-	Partially Comply
85		15 MLD STP, Maherwa ki bari, Near Mahadev Jharkhandi, Kunraghat, Gorakhpur.	01.06.2015	Operational	15	15	SBR	-	Partially Comply

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86	Kanpur	210 MLD at Bingawan	2015-16	Operational	210	145	UASB	40 MLD Treated Effluent of either 210 MLD STP Bingawan or 42 MLD Sajari is proposed to be used in Panki Power Plant Establish in Hamirpur Road.	Partially Comply.
87		42 MLD at Sajari	2016-17	Operational	42	30	ASP		Total Comply
88		05 MLD at Jajmau	1989-90	Operational	5	-	UASB	Irrigation	Under Maintenance
89		130 MLD at Jajmau	1998-99	Operational	130	105	ASP	Irrigation	Total Comply
90		43 MLD at Jajmau		Operational	43	35	ASP	Irrigation	Total Comply
91	Fatehgarh	Fatehgarh	1992-93	Operational	2.7	2.7	WSP	Some part of treated effluent is used in agriculture & remaining treated effluent sent to the river Ganga.	Total Comply
92	Etawah	STP near Tixi Tempel	2001	Operational	10.445	10.445	Waste Stabilization Pond	as per Jal Nigam information approx 10.445 MLD treated sewage is discharge into river Yamuna	Complied

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93		STP at Mauja Umrain	2013	Not Operational	13.5	3	WSP	as per jal Nigam infromation approx 3MLD treated sewage is for irrigation	Not Complied
94	Mainpuri	STP at Mauja Odenya, Padaria	2014	Operational	23.0	10.4	UASB Based	as per jal Nigam infromation approx 10.4MLD treated sewage is discharge into near by kharja nala which terminates in ishan River ganga and this river merges into Ganga	Partially Complied
95	Safai	Safai	2013	Operational	1.6	1.6	SBR	as per jal Nigam infromation approx 1.6MLD treated sewage is used for plantation	Partially Complied
96		Firozabad	2020	Not Operational	67	----	ASP+ extended areation		Not Complied
97	Firozabad	Firozabad	2014	Operational	3	3	UASB	As per jal kal Vibhag nagar nigam infromation approx -3MLD treated sewage is used by horiculture department for irrigation of Plantation/ trees	Non complied

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98	Greater Noida	2.0 MLD Greater Noida Authority STP, Vill-Badalpur	2015	Operational	2	2	SBR	NA	Comply
99		137 MLD, Kasana, GreaterNoida	2015	Operational	137	50	SBR	NA	Comply
100		ECOTECH-2	2018	Operational	15	8	SBR	NA	Comply
101		ECOTYECH-3	2018	Operational	20	10	SBR	NA	Comply
102	Mathura	Masani	2007	Operational	13.59	8	Oxidation Pond	08 MLD	Partially Comply
103		Trans Yamuna	2007	Operational	14.5	7	Oxidation Pond	07 MLD	Partially Comply
104	Vrindavan	Near Pagal Baba	2007	Not Operational	4	-	Oxidation Pond	-	-
105	Mathura	Trans Yamuna	2015	Operational	16	6	UASB	06 MLD	Partially Comply
106	Vrindavan	Vrindavan (Near 100 Bed Hospital)	2015	Operational	8	4	UASB	04 MLD	Partially Comply
107	Goverdhan	Goverdhan	2011	Operational	2.76	1.35	Oxidation Pond	1.35 MLD	Partially Comply



## UTTARAKHAND

Sl. No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non Operational / Under Construction)	Installed Capacity of STP (In MLD)	Actual Utilization of installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated Sewage with Quantity	Compliance Status (Comply / Non Comply)
1	Chamoli	Banni Gaon, Badrinath	2017	Operational	0.26	0.18	SBR		Comply
2		Near Temple, Badrinath.	2019	Operational	0.01	0.01	MBBR		Comply
3		Badrinath (Near suspension Bridge)	2019	Under Trial	1	-	SBR		Comply
4		Joshimath (Pokhri)	2019	Operational	1.08	0.421	SBR		Comply
5		Gopeshwar (ChamoliGhat)	2018	Operational	0.76	0.037	Electro Coagulation		Comply
6		Gopeshwar (Near old Suspension Bridge), Chamoli	2018	Operational	0.05	0.007	Electro Coagulation		Comply
7		Gopeshwar (Vivekanand Colony)	2019	Under Trial	1.19	-	Electro Coagulation		Comply
8		Gopeshwar (DeenDayalUpa dhyak )	2019	Under Trial	1.12	0.075	Electro Coagulation		Comply
9		Gopeshwar (Pokhari Band)	2019	Under Trial	1.25	-	Electro Coagulation		Comply
10		Nandprayag (Sangam Road)	2018	Operational	0.05	0.002	Electro Coagulation		Comply
11		Nandprayag (Forest Office)	2018	Operational	0.1	0.002	Electro Coagulation		Comply
12		karan Prayag (Police Chowki)	2018	Operational	0.05	0.05	Electro Coagulation		Comply

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13	Chamoli	karan Prayag (Purana Pull)	2018	Operational	0.1	0.01	Electro Coagulation		Comply
14		karan Prayag (Ward number 1 &3)	2018	Operational	0.1	0.025	Electro Coagulation		Comply
15		karan Prayag (Subhash Nagar)	2019	Operational	0.05	0.02	Electro Coagulation		Comply
16		karan Prayag (Naya Pull)	2019	Operational	0.05	0.02	Electro Coagulation		Comply
17	Rudraprayag	Rudraprayag (Near AnoopNegi School )	2019	Non Operational	0.075	-	Electro Coagulation		Comply
18		Rudraprayag (Near Rudra Complex)	2019	Non Operational	0.1	0.1	Electro Coagulation		Comply
19		Rudraprayag (Near Bus Stand)	2019	Operational	0.075	0.009	Electro Coagulation		Comply
20		Rudraprayag (Near SB! Maszid)	2019	Operational	0.1	0.009	Electro Coagulation		Comply
21		Rudraprayag (Near Steel Bridge & Syndicate Bank )	2019	Operational	0.125	0.125	Electro Coagulation		Comply
22	Tehri Garhwal	Kirtinagar (BRO Bridge)	2018	Operational	0.05	0.024	MBBR		Comply
23		Kirtinagar (Near Temple)	2018	Operational	0.01	0.01	MBBR		Comply
24		Bhagirathipura m, TehriGarhwal	2006	Operational	5	2.5	SBR		Comply

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25	Tehri Garhwal	Chorpani, Muni ki Reti, Dhalwala, Rishikesh		Under Trial	5	3.2	MBBR		Comply
26		7.50 MLD STP at Chandreshwar Ghat, Muni kiReti,Dhalwala , Rishikesh		Under Trial	7.5	3.5	MBBR		Comply
27		3.5 MLD STP at Tapovan, Rishikesh	2016	Operational	3.5	0.893	SBR		Comply
28		0.075 MLD STP at shanti bazar, Devprayag	2017	operational	0.075	0.012	SBR		Comply
29		Sangam bazar, Devprayag	2017	operational	0.15	0.121	SBR		Comply
30	Uttarkashi	Baah Bazar, Devpravag	2016	operational	1.4	0.039	SBR		Comply
31		Gyansu, Uttarkashi	2012	operational	2	1.783	MBBR		Comply
32		Gangotri, Uttarkashi		operational	1	0.2	SBR		Comply
33	Pauri Garhwal	SriNagar, Pauri Garhwal	2009	operational	3.5	1.645	MBBR		Comply
34		Srinagar, Pauri Garhwal	2019	operational	1	0.248	SBR		Comply
35		Swargashram, Rish'kesh, Pauri Garhwal.	2010	operational	3	2.254	SBR		Comply
36	Dehradun	Lakkarghat, Rishikesh	2020	Under Trial	26	10.8	SBR		Comply
37	Haridwar	Jagjeetpur, Haridwar	2010	Operational	27	26.68	SBR		Comply

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38	Haridwar	Jagjeetpur, Haridwar	1990	Operational	18	18.3	SBR		Comply
39		Jagjeetpur, Haridwar	2020	Operational	68	44.01	SBR		Comply
40		Sarai, Haridwar	2013	Operational	18	18	SBR		Comply
41		Sarai, Haridwar	2013	Operational	14	13	SBR		Comply
42		Saliyar, Roorkee		Operational	33	-	SBR		Comply
43	Dehradun	Motharawala-1, Dehradun	2016	Operational	20	13.52	SBR		Comply
44		Motharawala-11, Dehradun	2018	Operational	20	11	SBR		Comply
45		Kargi, Dehradun	2015	Operational	68	13	SBR		Comply
46		Vijay Colony, Dehradun	2019	Operational	0.42	0.3	SBR		Partially Comply
47		Salawala, Dehradun	2019	Operational	0.72	0.35	SBR		Comply
48		Indira Nagar, Dehradun	2019	Operational	5	5	SBR		Comply
49		Jakhan: Dehradun	2016	Operational	1	0.35	SBR		Comply
50		Bhattafall, Mussoorie	2019	Operational	3.12	0.5	SBR		Comply
51		Happy Vally, Mussoorie. Mussoorie.	2019	Operational	1.2	0.2	SBR		Comply
52		Landour, South, Mussoorie.	2019	Operational	1.3	0.25	SBR		Comply
53		Landour, North, Mussoorie.	2019	Operational	0.8	0.3	SBR		Comply
54		Kulri Bazaar, Mussoorie	2019	Operational	0.9	0.35	SBR		Comply
55	Nainital	Hari Nagar,	2016	Operational	0.45	0.25	SBR		Comply

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		Nainital							
56	Nainital	Krishna Nagar, Nainital	2016	Operational	0.8	0.45	SBR		Comply
57		Rusi Pond, Nainital	2009	Operational	10	6.75	Sedimentation Tank		Comply
58		Bheemtal, Nainital	2009	Operational	1.25	1	UASB		Comply
59	Almora	Almora	2004	Operational	2	1.65	MBBR		Comply
60	Pithoragarth	Acholi, Pithoragarth	2020	Operational	5	1	SBR		Comply
61		Mirada, Pithoragarth	2020	Operational	1.25	0.8	SBR		Comply
62	Dehradun	Kolagarth		under Construction	3	-			Not Applied
63	Chamoli	Marwari, Joshimath		under Construction	2.7	-			Not Applied
64	Rudraprayag	Belani, Rudraprayag		under Construction	0.05	-			Not Applied
65	Pauri garhwal	junior, srikot, Shrinagar		under Construction	0.075	-			Not Applied
66		Taulia, srikot, Shrinagar		under Construction	0.05	-			Not Applied
67	Nainital	STP-1 at Ramnagar		under Construction	7	-			To river rejuvenation of Kosi River
68		STP-2 at Ramnagar		under Construction	1.5	-			To river rejuvenation of Kosi River
69		Haldwani		under Construction	28	-			Not Applied
70		Narayan Nagar, Nainital		under Construction	0.45	-			Not Applied
71	U.S Nagar	Kashipur		under Construction	18	-			To river rejuvenation of Dehlla River

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72	U.S Nagar	Kashipur, STP.		Proposed	10	-			Proposed under river rejuvenation of Dehlla River
73		Mukhandpur, Kashipr		Proposed	0.31	-			Proposed under river rejuvenation of Dehlla River
74		Gularia, Kashipr		Proposed	0.14	-			Proposed under river rejuvenation of Dhella River.
75		Jaspur Kurd, Kashipr		Proposed	1.55	-			Proposed under river rejuvenation of Bhella River.
76		Hempurlsmile		Proposed	0.14	-			Proposed under river rejuvenation of Bhella River.
77		Beljuri, Kashipr		Proposed	0.31	-			Proposed under river rejuvenation of Kosi River.
78		Bazpur STP.		Proposed	8.5	-			Proposed under river rejuvenation of Pilkahar River.
79		Rudrapur STP-1.		Proposed	26	-			Proposed under river rejuvenation of Kalyani River.
80		Rudrapur STP-2.		Proposed	18	-			Proposed under river rejuvenation of Kalyani River.
81		Kichha, Rudrapur		Proposed	2	-			Proposed under river rejuvenation of Kichha River.

## WEST BENGAL

Sl.No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non Operational / Under Construction)	Installed Capacity of STP (In MLD)	Actual Utilization of installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated Sewage with Quantity	Compliance Status (Comply / Non Comply)
1.	Jagaddal Bhatpara	Jagaddal Bhatpara	2013(April)	Operational	31	24.1	FABS		Comply
2.		Jagaddal Bhatpara	2013(April)	Operational	10		FABS		Comply
3.		Jagaddal Bhatpara	2013(April)	Operational	9.5		ASP		Comply
4.	Kankinara	Kankinara	2013(April)	Operational	10		WSP		Comply
5.	Kalyani	Kalyani	2014 (February)	Operational	11	19	TF		Comply
6.	Kalyani	Kalyani	2014 (November)	Operational	10		WSP		Comply
7.	Gayeshpur	Gayeshpur	2020 (June)	Operational	8.33	3.2	SBR		Partially Comply
8.	Baidyabati	Baidyabati	2020 (June)	Operational	6	5	AL		Partially Comply
9.	Bhadreswar	Bhadreswar	2020 (July)	Operational	7.6	5.5	AL		Partially Comply
10.	Chandannagore	Chandannagore	2020 (July)	Operational	18.16	14.5	TF		Partially Comply
11.		Chandannagore	2020 (July)	Operational	4.5	4.5	OP		Partially Comply
12.	Bansberia	Bansberia	2020 (July)	Operational	0.3	0.3	ASP		Partially Comply
13.	Konnagar	Konnagar	2019 (December)	Operational	22	12	OP		Partially Comply
14.	Naihati	Naihati	2019 (December)	Operational	11.56	7	ASP		Partially Comply
15.	Titagarh	Titagarh	2016 (January)	Operational	9	8.5	ASP		
16.	Budge Budge	Budge Budge	2016 (October)	Under Construction	9.33	0	SBR		
17.	Barrackpore	Barrackpore	2015 (December)	Under Construction	24	0	SBR		
18.	Halisahar	Halisahar	2019 (March)	Under Construction	16	0	SBR		
19.	Nabadwip	Nabadwip	2019 (September)	Under Construction	9.5	0	SBR		

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20.	Kancharapara	Kancharapara	2020 (February)	Under Construction	18	0	WSP / Tertiary		
21.	Baharampore	Baharampore	2020 (February)	Under Construction	3.5	0	SBR		
22.	Jangipur	Jangipur	2020 (February)	Under Construction	8	0	SBR		
23.		Jangipur	2019 (December)	Under Construction	5	0	SBR		
24.	Bandipur (Khardaha)	Bandipur (Khardaha)	2020 (July)	Non-Operational	14	0	WSP		
25.	Champadani	Champadani	2019 (December)	Non-Operational	1	0	AL		
26.	Garulia	Garulia	2019 (December)	Non-Operational	7.9	0	OP		
27.	Naihati	Naihati	2019 (December)	Non-Operational	6.5	0	WSP		
28.	Panihati	Panihati	2020 (July)	Non-Operational	12	0	Low Cost STP		
29.	Serampore	Serampore		Non-Operational	18.6	0	TF		
30.	Balli (Kona)	Balli (Kona)		Non-Operational	62	0	WSP		
31.	Howrah	Howrah		Non-Operational	65	0	TF		
32.	Kamarhati - Baranagar	Kamarhati - Baranagar		Non-Operational	60	0	TF		
33.	Maheshtala	Maheshtala		Proposed	35	0	SBR		
34.	Hooghly-Chinsurah	Hooghly-Chinsurah		Proposed	29.3	0	SBR		
35.	North-Barracpore	North-Barracpore		Proposed	17.75	0	SBR		
36.	Ranaghat	Ranaghat		Proposed	4	0	SBR		
37.		Ranaghat		Proposed	5.2	0	SBR		
38.		Ranaghat		Proposed	2.6	0	SBR		



Sl.No.	City / Town	Location of STP	Date of Commissioning	Status (Operational / Non Operational / Under Construction)	Installed Capacity of STP (In MLD)	Actual Utilization of installed Capacity (In MLD)	Technology (UASB / ASP / OP / SBR / MBR / FAB etc.)	Use of treated Sewage with Quantity	Compliance Status (Comply / Non Comply)
39.	Bangur STP Kaji Nazul Islam Sarani, Lake Town, Kolkata-700055	Bangur STP Kaji Nazul Islam Sarani, Lake Town, Kolkata-700055	Constructed by KMDA in the year 1993 and augmented by KEIP in the year 2011	Operational	52	26	ASP	Nil	Partially Comply
40.	Gardenreach STP Taratala Road, Santoshpur, Kolkata-700066	Gardenreach STP Taratala Road, Santoshpur, Kolkata-700066	Constructed by KMDA in the year 1997 and augmented by Kolkata Environmental Improvement Project (KEIP) in the year 2011	Non-Operational	57	0	ASP		Partially Comply
41.	South- suburban (Keorapukur) Dhalipara, Haridevpur, Kolkata-700104	South- suburban (Keorapukur) Dhalipara, Haridevpur, Kolkata-700104	Constructed by KEIP in the year 2010. [Again rejuvenated by KEIIP in 2020]	Operational	45	36	AL	Nil	Partially Comply
42.	Baghajatin STP Baghajatin Rail Bridge, E.M Bye-pass, Kolkata	Baghajatin STP Baghajatin Rail Bridge, E.M Bye-pass, Kolkata	Constructed by KMDA in the year 1994 and handed over to KMC in the year 2010	Non-Operational	15	0	AL	Nil	Partially Comply
43.	Hatisur STP Santi Pally, Kasba, Kolkata-700107	Hatisur STP Santi Pally, Kasba, Kolkata-700107	Constructed by KMDA in the year 2004 and handed over to KMC in the year 2012	operational	10	8	OP	Nil	Partially Comply
44.	At Rajpur-Sonarpur, Rania	At Rajpur-Sonarpur, Rania	2023	Under Construction	30	0	SBR		
45.	Near WBSETCL, Joka	Near WBSETCL, Joka	2022	Under Construction	45	0	SBR		
46.	At Bank Plot, M.G	At Bank Plot, M.G	2022	Under	40	0	SBR		

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	Road	Road		Construction					
47.	Police Telecom Department Land, near Wireless Park	Police Telecom Department Land, near Wireless Park		Proposed	15.3	0			
48.	Near Golf Garden, Sukhapukur	Near Golf Garden, Sukhapukur		Proposed	5.06	0			
49.	Near Kavi Nazrul Metro Station, Birji Road	Near Kavi Nazrul Metro Station, Birji Road		Proposed	5.7	0			
50.	STP Near L.S 10	STP Near L.S 10		Proposed	16	0	SBR		
51.	STP Near At SurinaamGhat, DhankhetiNikashi	STP Near At SurinaamGhat, DhankhetiNikashi		Proposed	25	0	SBR		
52.	STP Near BhangaKhal, Gardenreach area	STP Near BhangaKhal, Gardenreach area		Proposed	35	0	SBR		
53.	Proposed STP for Borough-XII	Proposed STP for Borough-XII		Proposed	70	0			
54.	New Town, Rajarhat, Kolkata Action Area-IIB	New Town, Rajarhat, Kolkata Action Area-IIB	2011 (December)	Operational	14	11	ASP	Gardening	Comply
55.	New Town, Rajarhat, Kolkata Action Area-IIC	New Town, Rajarhat, Kolkata Action Area-IIC	2011 (December)	Operational	31	20	ASP	Gardening	Comply
56.	New Town, Rajarhat, Kolkata Action Area-IIID	New Town, Rajarhat, Kolkata Action Area-IIID		Under Construction	24	0	SBR		To be completed by 31/10/2020
57.	Tarapith Birbhum District Tarapith Temple	Tarapith Birbhum District Tarapith Temple		Under Construction	4.25	0	ASP		To be completed by 30/06/2021
58.	Nabadwip Fansitala Ghat	Nabadwip Fansitala Ghat	1995	Operational	10	6.72	OP	Land disposal & Pisciculture by Municipality	Partially Comply

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59.	Diamond Harbour Near Diamond Harbour Police Station	Diamond Harbour Near Diamond Harbour Police Station	2013	Operational	2.03	0.2	OP	Discharge to nearby canal	Partially Comply
60.	Katwa Municipality	Katwa Municipality	2011	Operational	2.36	2.36	ASP	Gardening	Partially Comply
61.	Behrampore Indraprastha	Behrampore Indraprastha		Non-Operational	3.7	0	OP		
62.	Murshidabad Ward No 2 Lalbag	Murshidabad Ward No 2 Lalbag	2010	Operational	1.96	0.283	OP	Gardening	Partially Comply
63.	JiaganjAjimganj Takia, Jiaganj	JiaganjAjimganj Takia, Jiaganj	2009 Handed over to Jiaganj-Azimganj Municipality	Non-Operational	1.39	0	OP		
64.	Siliguri Left Bank of Mahananda River	Siliguri Left Bank of Mahananda River		Proposed	15	0	WSP		
65.	Siliguri Jorapani And Fuleshwari River	Siliguri Jorapani And Fuleshwari River		Proposed	24	0	WSP		