

**Status of Compliance of Municipal Solid
Waste Management Rules, 2016 and other
Environmental Issues as per directions of
Hon'ble NGT in OA No. 606 of 2018
(In respect of State of Haryana)
20th of April 2023 at 10.30 AM**

This Power Point Presentation has following components :

Part I	Status of Compliance of Solid Waste Management Rules, 2016 in the State of Haryana (Urban and Rural)	Slide No. 3 – 30
Part II	Status of Sewage Management and utilization of treated waste water	Slide No. 31 - 77

Part I

Status of Compliance of Solid Waste Management Rules, 2016 in the State of Haryana (Urban and Rural)

Current Status of Solid Waste Management -Urban

4

No. of ULBs	88
Total Wards	1646
Wards with 100% Door to Door Collection	1619 (98.4%)
Wards with 100% Source Segregation	1185 (72%)
Waste Generation	5544 TPD
Waste Processed	3942 TPD (71.1%)
Gap in processing of fresh waste	1602 TPD (28.9%)
Capacity of operational processing facility	3115 TPD
Capacity of Material Recovery Facilities (86 MRFs)	2589 TPD
Capacity of under construction processing facility	3061 TPD
Capacity of proposed processing facility with timelines	3095 TPD By December 2024

Operational Processing Facilities

5

Waste to Energy (WtE) Plant at Sonipat	700 TPD
Waste to Compost Plant Rohtak	175 TPD
Waste to Compost Plant Karnal	150 TPD
Waste to Compost Plant Sirsa	50 TPD
Bio-Methanation Plant at Karnal	15 TPD
Bio-Methanation Plant at Faridabad (By IOCL)	05 TPD
Bio-Methanation Plant at Ambala (Suntanlife Pvt. Ltd.)	20 TPD
No. of MRF	86 in 58 ULBs
MRF Capacity	2589 TPD
No. of Waste to Compost Pits	1715 (Approx. 2000 TPD)

Ringfenced account for funds to bridge the Gap

6

- State Government decided to deposit a fund of Rs. 301.78 cr. in ringfenced account for creating treatment capacity for processing of fresh waste in the State.
- Further, there is a Gap of 52.81 lakh MT in treatment of legacy waste, State has decided to deposit Rs. 236.86 cr. in ringfenced account for treatment of legacy waste.
- Total amount in ringfenced account - Rs. 538.64 cr.

Current Status of 13 No. Proposed ISWM Clusters

7

Sr. No.	Name of Cluster	Number of ULBs in the Cluster	Waste Capacity (TPD)	Location of Plant	Latest Status
1	Sonipat – Panipat	4	700	Sonipat (on Murthal –Tajpur Road)	Waste to Energy Plant is operational since 16.08.2021.
2	Faridabad– Gurugram	2	2100	Bandhwari	<p>The work of Gurugram – Faridabad cluster has been awarded to M/s. Ecogreen Energy Pvt. Ltd. The work of Gurugram – Faridabad cluster has been awarded to M/s. Ecogreen Energy Pvt. Ltd. As per the MOM of committee constituted under the chairmanship of Hon’ble Chief Secretary as per orders of NGT,</p> <ul style="list-style-type: none"> • Fresh waste processing to be started by 25.05.2023 at Pali site. • The concessionaire has assured that Waste to Energy Plant will be completed by 30 November 2024.
3	Karnal – Kaithal– Thanesar	18	638	Karnal (Existing processing site near Shamli Road)	Agency has been selected for Karnal Cluster. MC Karnal has issued letter of award to M/s V. N. Engineering Co. on 21.11.2022. .Concession Agreement has been signed on 22.12.2022. C&T has started from 18.01.2023. The Plant is expected to be commissioned by April 2024.

Current Status of 13 No. Proposed ISWM Clusters

8

Sr. No.	Name of Cluster	Number of ULBs in the Cluster	Waste Capacity (TPD)	Location of Plant	Latest Status
4	Bhiwani	5	155	Bhiwani (Near Dadri Road)	Agency has been selected for Bhiwani Cluster. MC Bhiwani has issued letter of award to Shri Shyam Associates, on 09.12.2022. Concession Agreement has been signed on 03.04.2023. The Plant is expected to be commissioned by June 2024.
5	Sirsa	5	168	Sirsa (Vill. Bakriyanwali)	Agency has been selected for Sirsa Cluster. MC Sirsa has issued letter of award to Pooja Consultation Co. on 28.11.2022. . Concession Agreement has been signed on 06.04.2023. The Plant is expected to be commissioned by June 2024.
6	Ambala-Yamunanagar	7	675	Ambala (Village Patvi Site) and Yamunanagar (Village Kail Site)	The Concessionaire for Ambala-Yamunanagar Cluster will be selected after completing the bidding process by 31 st July 2023 and the plant will be commissioned by 31 st December 2024.
7	Rohtak-Bahadurgarh-Jhajjar	12	628	Rohtak (Village Sunarian, near Bhiwani road)	The Concessionaire for Rohtak-Bahadurgarh-Jhajjar Cluster will be selected after completing the bidding process by 31 st July 2023 and the plant will be commissioned by 31 st December 2024.

3269

Current Status of 13 No. Proposed ISWM Clusters

9

Sr. No.	Name of Cluster	Number of ULBs in the Cluster	Waste Capacity (TPD)	Location of Plant	Latest Status
11	Palwal-Punhana	8	466	Sohna	The Concessionaire for Palwal-Punhana Cluster will be selected after completing the bidding process by 31 st July 2023 and plant will be commissioned by 31 st December 2024.
12	Panchkula	2	280	Suitable land is not available	Suitable land for establishment of Plant is not available. Therefore, Panchkula cluster will be merged into Ambala Cluster.
13	Farukhnagar	2	26	Farukhnagar	Suitable land for establishment of Plant is not available due to dispute of currently allocated land parcel. Therefore, Farukhnagar cluster will be merged into Rohtak-Bahadurgarh-Jhajjar cluster.

- State Government has made provision of Rs. 301.78 Cr for above-said clusters.

Waste to Energy ISWM Plant: Sonipat

10



Waste Capacity: 700 TPD
Power Generation: 8 MW



Compost & RDF Plants: Rohtak, Karnal and Sirsa

11

- 175 TPD Waste to Compost Plant in Rohtak (Covering 4 ULBs namely; Rohtak, Meham, Kalanaur and Sampla)



- 50 TPD Waste to Compost Plant in Sirsa



- 150 TPD Waste to Compost Plant in Karnal.



MRF Centres

12

- 86 MRF centers in 58 ULBs established for segregation of non-compostable dry solid waste into recyclables/ non recyclables/inert such as plastic, glass, metal, paper, clothes etc.

- Thereafter, segregated fractions of dry solid waste are sent to authorised agencies for further disposal.



Compost and Park Pits

MC Sonipat



MC Rohtak



MC Bahadurgarh



MC Rohtak



Bio-Remediation of Legacy Waste

Total No. of Legacy Sites	76 Legacy Sites, covering 88 ULBs
Total quantity of Legacy waste	101 Lakh MT
No. of ULBs which initiated bio-remediation process	46
No. of ULBs which completed 100% bio-remediation	13
Total quantity of Legacy waste remediated	48.19 Lakh MT (47.54%)
Total land reclaimed	132 Acres
Timeline for clearing of all dumpsites	31.12.2023
Status of funds	Provision of Rs 236.86 crores has been made by the Government.

3276

Bio-Remediation of Legacy Waste Reclaimed Site : Patvi, Ambala

15

Before
September 2020



After
July 2022



3276

15

3277

Bio-remediation of Legacy Waste Reclaimed Site : Rohtak

16

Before
March 2017



After
July 2021



3277

16

3278

Bio-remediation of Legacy Waste Reclaimed Site : Palwal

17

Before
November 2020



After
August 2022



3278

3279

Bio-remediation of Legacy Waste : Charkhi Dadri

18

Before
March 2021



After
April 2022



3279

18

Bio-Remediation of Legacy Waste : Rewari

Before
November 2021



After
March 2022



Bio-Remediation of Legacy Waste Reclaimed Site : Farukhnagar (Gurugram)

Before
February 2022



After
April 2022



Bio-remediation of Legacy Waste Reclaimed Site : Pataudi (Gurugram)

Before
September 2021



After
November 2021



Bio-remediation of Legacy Waste Reclaimed Site : Nissing (Karnal)

Before
January 2021



After
June 2021



Bio-Remediation of Legacy Waste Reclaimed Site : Gharaunda (Karnal)

Before
November 2021



After
September 2022



Status of management of Construction & Demolition Waste

- ❖ In urban areas, C&D Waste generation is 1500 TPD (approximately)
- ❖ Maximum C&D Waste generation is in MC Faridabad & Gurugram (300 & 800 TPD respectively).
- ❖ C&D Waste Management plant of 1000 TPD capacity already functional in Gurugram.
- ❖ Another 300 TPD capacity, C&D waste management plant also commissioned in Faridabad.
- ❖ Policy for C&D waste management for entire State was notified on 23.11.2020 under the provisions of section 9 (1) of the Construction & Demolition (C&D) Waste Management Rules, 2016.
- ❖ C&D Waste generation in other ULBs is less than 50 TPD, so the plants are not viable and the waste is being utilized in filling of low lying areas.

Best Practices

Decentralized Approach – Karnal (Waste to Energy Plant)

➤ India's first integrated project to convert slaughterhouse solid waste/ sewage waste/effluent waste, bio-degradable solid waste, paddy stubble, cow dung, horticulture waste and Agriculture Waste to clean fuel, clean water and Bio-fertilizer at Municipal Corporation, Karnal

➤ **Capacity:** 15TPD

➤ **Benefits:** Two types of bi-product recovered after processing of waste.:

- (i) Bio-fertilizer – used as compost
- (ii) CNG – used to run the generator to produce electricity



Best Practices

26

Use of Cow dung

Municipal Council, Ambala Sadar is making Logs from Cow dung (approx. 70 TPD)

- 46000 logs prepared using 140 tonnes cow dung during last one year.
- 26000 logs used at cremation grounds.
- 20000 logs available with ULB



Swachh Bharat Mission - Rural

Current Status of Solid Waste Management-Rural

No. of Gram Panchayats	1168
Quantity of SW Generated	640 TPD
Quantity of SW Collected	640 TPD
Quantity of SW Segregated and Transported (TPD)	640 TPD
Quantity of SW Processed (TPD)	512.36 Wet waste being converted into compost while 128.09 Dry waste is sold to local purchaser
Quantity of SW disposed in secured landfill site (TPD)	0
Gap in Solid Waste Management (TPD)	0

Note : In majority of Gram Panchayats, solid waste management practices being carried out by households themselves and disposal of their waste is done by composting in their farms and dry waste being sold off to Kabadiwala.

Current Status of Solid Waste Management-Rural

Waste Collection	Waste Collection	Target	Gap	Time Frame (Subject to necessary Approvals)
Gram Panchayats in which waste door-to-door collection is implemented(No.)	1168	6220	5052	31.12.2023
Gram Panchayats in which segregation of waste is implemented (No.)	1168	6220	5052	31.12.2023
Gram Panchayats in which transportation of segregated waste is implemented (No.)	1168	6220	5052	31.12.2023

Current Status of Solid Waste Management-Rural

Waste Processing

Material Recovery Facilities (MRF)	Existing	Target	Gap	Time Frame
Total Capacity (TPD)	128 TPD (Approx) of non biodegradable waste is collected, segregated and stored in SWM sheds and sold in routine manner on daily basis	128 TPD	0	
Number	1581	6220	4639	31.12.2023

Part II

Status of Sewage Management and utilization of treated waste water



Order of Hon'ble Supreme Court and Hon'ble NGT

3293

- Hon'ble NGT is monitoring issue of solid as well as liquid waste management in compliance of orders of the Hon'ble Supreme Court passed on 02.09.2014 in Writ Petition No. 888/1996, '*Almira H, Patel vs. Union of India & Ors*' with regard to **solid waste management**; and
- Order dated 22.02.2017 in W.P. No. '375/2012, reported in (2017) 5 SCC 326, *Paryavaran Suraksha vs. Union of India*', with regard to **liquid waste management**.
- Hon'ble NGT vide order dated 30.11.2021 directed that hence-forth proceedings in OA No. 606/2018 need to cover solid waste management and sewage management, these issues being crucial and required to be monitored.

3293

Sewage Management

SEWAGE TREATMENT PLANTS (STP)						
Catchment	3294		Actual utilization of capacity (in MLD)	Compliance status of STPs (In Number)		Gaps in specific towns (in MLD)
	Estimated Sewage Generation (MLD)	No. of STPs / Capacity (in MLD)		Complying	Non-Complying	
Yamuna	1098	59 (1075.00)	1039	34 (754.3) (Annex-I)	25 (320.9) (Annex-II)	240 (8 STPs of 244 MLD under construction and 4 STPs of 340 MLD under proposal).
Ghaggar	292	62 (535.00)	295	39 (433.75) (Annex-III)	23 (101.25) (Annex-IV)	0
Other	118	35 (224.50)	131	8 (58) (Annex-V)	27 (166.5) (Annex-VI)	0
Total	1508	156 (1835.00)	1465	81 (1246.05)	75 (588.65)	240

3294

Gap in treatment capacity in Yamuna catchment

3295

Timelines for Gap in treatment capacity

Sr. No.	Towns	Gap (in MLD)	Timelines to bridge the Gap
1	Faridabad	144.5	Dec, 2023
2	Gurugram	86	Dec, 2025
3	Palwal	9.38	June, 2023
Total		240	

3295

Ringfenced account for funds to bridge the Gap

3296

Ringfenced account for funds to bridge the Gap

- State Government decided to deposit a fund of Rs. 480 cr. in ringfenced account for creating treatment capacity in towns of Faridabad, Gurugram and Palwal.
- There is a Gap of 53 MLD in utilization of capacity of STPs at Panipat (39 MLD) and Rohtak (14 MLD).
- State decided to deposit Rs. 106 cr. in ringfenced account for these cities.
- Total amount in ringfenced account Rs. 586 cr.

3296

3297

RIVER YAMUNA

3297

Drains - wise quantum of treated/ untreated effluent in Yamuna Catchment

Sr. No.	3298 Name of Drain	Town	Quantum of treated effluent (MLD)	Quantum of untreated effluent (MLD)	Total (MLD)
1	Dhanaura Escape	Yamuna Nagar	42	66	108
2	Drain No.2	Panipat	84	10	94
		Karnal	215	22	237
3	Drain no. 6	Sonepat	64	34	98
4	Entry point of Mungeshpur drain in Delhi Territory,	Bahadurgarh	20	31	51
5	Entry point of KCB drain in Delhi Territory,	Bahadurgarh	7	27	34
6	Entry point of Drain No. 8 in Delhi Territory,	Bahadurgarh	10	24	34
		Panipat	21	70	91
7	Leg I Drain	Gurugram North	0	9	9
8	Leg II Drain	Gurugram North	0	19	19
9	Leg III (Badshpur) Drain	Gurugram South	408	62	470
10	Budhiya Nala	Faridabad	25	68	93
11	Gaunchi Drain	Ballabgarh	8	98	106
		Palwal	15.5	1.5	17
3298 Total			919.5	541.5	1461

3299 Under construction STPs in Yamuna catchment

38

Sr. No.	Name of the Town/city	Capacity (in MLD)	Executing Deptt.	Timelines	Latest progress upto March, 2023
1	Shiv Colony, Karnal	8	ULBD	31.12.2023	91%
2	Phooshgarh, Karnal	20	ULBD	31.12.2023	92%
3	Peer Bodhi, Rohtak	15	ULBD	30.04.2023	92%
4	Rohtak	10	HSVP	31.03.2023	100%
5	Faridabad, sector-21	10	ULBD	31.05.2023	99%
6	Mirjapur, Faridabad	80	ULBD	31.12.2023	67%
7	Partapgarh, Faridabad	100	ULBD	31.12.2023	67%
8	Kithwari, Palwal (Agwanpur Village)	10	ULBD	30.06.2023	90%
9	Jodhpur Road, Palwal	15	ULBD	30.04.2023	98%
10	Ferozpur, Palwal	2.5	ULBD	30.04.2023	98%
11	Sonepat (Aterna)	15	HSVP	30.09.2023	72%
12	Murthal Sonepat	3	ULBD	31.07.2023	75%
13	Jhazgarh	20	GMDA	30.06.2023	80%
14	Dev Colony, Panipat	15	ULBD	31.07.2023	86%
15	Barsat Road, Panipat	25	ULBD	31.07.2023	75%
16	Manesar & Naharpur Kasan, Gurugram	25	GMDA	31.12.2023	20%
17	Bajghera, Gurugram	2	3299 GMDA	31.12.2023	22%
Total		375.5			

17 STPs of 375.5 MLD capacity are under construction in Yamuna catchment and likely to be completed by Dec, 2023.

Note : - Sr. No.1 & 2 – Under retendering.

Status of proposed STPs in Yamuna catchment

3300

39

05 STPs of 410 MLD capacity are under proposal in Yamuna catchment and likely to be completed by Dec, 2025.

Sr. No.	Name of the district	Name of the town/city	Capacity (MLD)	Deptt.	Latest timelines
1	Gurugram	Dhanwapur	100	GMDA	30.12.2024
2	Gurugram	Behrampur	100	GMDA	31.12.2024
3	Gurugram	Sector-107	100	GMDA	31.12.2025
4	Gurugram	Naurangpur	40	GMDA	31.12.2024
5	Yamunanagar	Yamunanagar	70	PHED	31.12.2025
Total			410		

3300

39

3301 Status of upgradation of STPs in Yamuna catchment

24 existing STPs of 455.9 MLD capacity are being upgraded to meet with existing norms for discharge of effluent by Dec, 2025

Sr. No.	Name of the district	Name of the town/ city	Deptt .	Existing STP and Capacity (in MLD)	Likely date of achieving FC standards
1	Panipat	Sewah, Panipat	PHED	35	31.12.2023
2	Panipat	Samalkha	PHED	5	30.06.2024
3	Sonepat	Kharkhoda	PHED	4.5	31.12.2023
4	Sonepat	Ganaur	PHED	7	31.12.2023
5	Sonepat	Gohana	PHED	3	30.06.2023
6	Sonepat	Gohana	PHED	8.3	30.06.2023
7	Jhajjar	Kosli Road, Jhajjar	PHED	5.5	31.03.2024
8	Jhajjar	Sampla Road, Jhajjar	PHED	5	31.03.2024
9	Jhajjar	Bahadurgarh	PHED	18	31.12.2024
10	Rohtak	Sonaria, Rohtak	PHED	40	31.12.2025
11	Rohtak	Kalanaur	PHED	3.5	31.12.2023
12	Rohtak	Meham	PHED	5	30.06.2023
13	Rohtak	Singhpura, Rohtak	ULBD	10	Completed

Sr. No.	Name of the district	Name of the town/ city	Deptt.	Existing STP and Capacity (in MLD)	Likely date of achieving FC standards
14	Rohtak	Sampla	PHED	4	31.12.2023
15	Rohtak	Sec-25, Rohtak	HSVP	10	30.04.2023
16	Nuh	Taoru	PHED	4.5	31.12.2024
17	Nuh	Punhana	PHED	4.5	31.12.2024
18	Nuh	Nuh	PHED	3.6	31.12.2024
19	Nuh	Ferozepur Jhirka	PHED	5	31.12.2024
20	Palwal	Hathin	PHED	4.5	31.12.2024
21	Palwal	Hodal	PHED	9	31.12.2024
22	Gurgaon	Dhanwapur, Gurgaon	GMDA	100	31.03.2024
23	Gurgaon	Behrampur, Gurgaon	GMDA	120	31.03.2024
24	Faridabad	Badshahpur, Faridabad	FMDA	45	30.06.2024
Total				455.9	40

Interception/diversion of sewage in the un-approved areas by ULBD (Yamuna Catchment)

41

99.3 MLD of effluent was to be intercepted/ tapped/ diverted at 155 locations, out of which 81.3 MLD effluent has been diverted at 132 locations. The remaining work is likely to be completed by Mar, 2024. The abstract of interception/diversion is as under:-

Sr. No.	Name of city MC	No. of locations	Quantum of effluent to be diverted (MLD)	Work Completed		Work in progress	
				No. of locations	Quantum (MLD)	No. of locations	Quantum (MLD)
1	Yamuna Nagar	12	19	8	15	4	4
2	Rohtak	2	8	1	2	1	6
3	Sonepat	9	22	7	19	2	3
4	Gohana	3	1	3	1	0	0
5	Panipat	58	20	42	15	16	5
6	Bahadurgarh	17	6	17	6	0	0
7	Palwal	29	2	29	2	0	0
8	Ganaur	2	0	2	0	0	0
9	Radaur	1	0.3	1	0.3	0	0
10	Gharaunda	5	1	5	1	0	0
11	Kharkhoda	1	12	1	12	0	0
12	Jhajjar	6	4	6	4	0	0
13	Hodal	4	2	4	2	0	0
14	Nilokheri	2	1	2	1	0	0
15	Sampla	4	1	4	1	0	0
	Total	155	99.3	132	81.3	23	18

3303 Diversion of sewage from Leg-I, Leg-II, Leg-III drains in Gurugram

42

The work of interception/diversion is in progress and likely to be completed by 30.09.2024. The status is as under:-

Leg-I	Quantum of Discharge diverted	16.55 MLD at 17 locations	Work is in progress and expected to be completed by 30.09.2024.
	Quantum of balance discharge	9 MLD at 11 locations	
Leg-II	Quantum of Discharge diverted	40.34 MLD at 41 locations	
	Quantum of balance discharge	19.5 MLD at 5 locations	
Leg-III	Quantum of Discharge diverted	64.75 MLD at 51 locations	
	Quantum of balance discharge	62.95 MLD at 37 locations	
Total	Quantum of Discharge diverted	121.64 MLD at 109 locations	
	Quantum of balance discharge	91.45 MLD at 53 locations	

3303

42

3304 Laying of sewer network in approved/ notified areas

43

- 1636 Km of sewer line was to be laid in Yamuna catchment, out of which 1506 Km length of sewer line has already been laid. The work of balance 130 Km sewer line is likely to be completed by the end of July, 2023.
- Sewerlines are being laid in 5 towns and status of the same is as under:-

Sr. No.	Name of town	Deptt.	Timelines	Length to be laid (in KMs)	Latest progress	% age of work completed
1	Palwal	ULBD	30.06.2023	148.7	123.72	83.20%
2	Panipat	ULBD	31.07.2023	328	260	79.26%
3	Rohtak	ULBD	30.04.2023	137.5	137.40	99.92%
4	Faridabad	ULBD	30.06.2023	450	417	92.75%
5	Karnal	ULBD	31.12.2023	150.65	147.04	97.60%
Total				1214.85	1085.16	

3304

43

Septage Management through tankers (Yamuna Catchment)

Septage Management Policy has been notified by all the Municipalities falling in the catchment of River Yamuna in the State and 200 tankers have been registered/ deployed in the MCs for transporting septage. The respective MCs have also started challaning illegal tankers disposing septage. The abstract of septage quantum disposed in the last 01 year, is as under:-

Sr. No.	Name of MC	No. of private Tankers	No. of tankers of MC	No. of tankers with GPS	Quantum of sewage disposed in STPs through tankers (In MLD)
1	Karnal	8	0	8	48
2	Yamuna Nagar	8	0	8	8.3
3	Rohtak	13	0	0	58.5
4	Gurugram	32	5	27	187
5	Faridabad	13	18	0	2.3
6	Gohana	3	0	1	0.3
7	Palwal	7	0	0	5.04
8	Bahadurgarh	12	0	12	5.6
9	Hodal	3	0	0	5.5
10	Beri	1	0	1	0.2
11	Nilokheri	3	0	3	0.002
12	Nissing	1	0	1	0.002
13	Jhajjar	6	0	6	4

Sr. No.	Name of MC	No. of private Tankers	No. of tankers of MC	No. of tankers with GPS	Quantum of sewage disposed in STPs through tankers (In MLD)
14	Kalanaur	4	0	0	0.05
15	Meham	3	0	3	0.04
16	Sampla	2	0	0	0.1
17	Gannaur	5	1	0	0.07
18	Panipat	19	0	13	14.5
19	Taraori	6	0	6	0.0004
20	Sonepat	15	3	0	18.2
21	Kharkhoda	2	0	0	4.7
22	Tauru	3	0	0	1
23	Ferozur Jhirka	2	0	0	0.2
24	Ladwa	2	0	0	0.5
Total		173	27	89	364.2 44

Status of village STPs ³³⁰⁶ in Yamuna catchment

45

Action plan has also been prepared for treatment/diversion of 88 MLD sewage generated from rural areas at 276 villages in the catchment of river Yamuna by installation of 5/3 Pond System. The work of installation of pond system has been completed at 143 villages and is under progress at 133 villages. The work is likely to be completed latest by Dec, 2024. The district- wise abstract is as under:-

Sr. No.	District	No. of works proposed	Quantum (in MLD)	Works completed	Quantum (in MLD)	Works in progress	Quantum (in MLD)
1	Yamuna Nagar	57	7.5	53	7.1	4	0.4
2	Sonipat	61	14.1	25	6.08	36	8.04
3	Karnal	46	12.7	30	7.022	16	5.693
4	Panipat	80	32.7	28	7.54	52	25.22
5	Gurugram	18	13.9	8	11.8	10	2.1
6	Faridabad	11	6.9	1	0.3	10	6.6
7	Palwal	3	0.1	0	0	3	0.1
Total		276	88	145	39.8	131	48.2

3306

45

3307

RIVER GHAGGAR

3307

Under construction STPs in Ghaggar catchment

3308

47

Sr. No.	Name of the Town/city	Capacity (in MLD)	Executing Deptt.	Timelines	Latest progress
1	12 Cross Road, Ambala	12	ULBD	31.03.2024	35%
2	Khuda Khurd, Ambala	12	ULBD	31.03.2024	40%
3	Babyal , Ambala	10	ULBD	31.05.2023	98%
4	Shahpur Machhonda, Ambala	10	ULBD	30.07.2023	80%
5	Saketri, Pkl	1.5	ULBD	Completed	100% (Under Testing)
6	Ramgarh, PKL	1	ULBD	Completed	100% (Under Testing)
7	Hisar	15	HSVP	30.09.2023	79%
8	Uchana, Hisar	2	PHED	Completed	100% (Under Testing)
Total		61		3308	

8 STPs of 61 MLD capacity are under construction in Ghaggar catchment and likely to be completed by Mar, 2024.

Note : - Sr. No.1 & 2 – Retendering

Status of proposed STPs in Ghaggar catchment (future need)

3309

04 STPs of 19 MLD capacity are under proposal in Ghaggar catchment and likely to be completed by Dec'2025

Sr. No.	District	City/towns	Dept.	Capacity (in MLD)	Timelines	Status
1	Ambala	Sector-34, Ambala Cantt.	HSVP	5	31.12.2025	Very less discharge. Work is likely to be started in Year 2024. Sewage is lifted to the existing 2 MLD STP of HSVP in Ambala.
2	Ambala	Naraingarh	HSVP	1	31.12.2025	Very less discharge. Work is likely to be started in Year 2024. Sewage is lifted to the existing STP of PHED in Naraingarh
3	Panchkula	Pinjore	HSVP	8	31.12.2025	No discharge yet. Work is likely to be started in year 2024.
4	Hisar	Hansi	HSVP	5	31.12.2025	Very less discharge, is being treated in existing STP of PHED. Work is likely to be started in Year 2024
	Total			19		

Status of upgradation of STPs in Ghaggar catchment by PHED to meet stringent norms

23 existing STPs of 103.25 MLD capacity are being upgraded to meet with existing norms for discharge of effluent by Dec, 2024.

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Likely date of achieving FC standards
1	Ambala	Naya Gaon, Unit-I, Ambala City	3.00	31.12.2023
2	Ambala	Naya gaon, Unit-II, Ambala City	3.25	31.12.2023
3	Ambala	Baldev Nagar, Unit-I, Ambala City	5.00	31.01.2024
4	Ambala	Baldev Nagar, Unit-II, Ambala City	3.25	31.12.2023
5	Ambala	Moti Nagar, Unit-I, Ambala City	5.00	31.12.2023
6	Ambala	Moti Nagar, Unit-II, Ambala City	5.00	31.12.2023
7	Ambala	Modal Town, Ambala City	6.00	31.12.2023
8	Ambala	Nasirpur, Ambala City	3.25	30.06.2024
9	Ambala	Devi Nagar, Ambala City	3.00	31.12.2024
10	Ambala	Naraingarh	3.00	31.12.2024
11	Kurukshetra	Modal Town, Pehowa	8.00	31.03.2024
12	Panchkula	Kalka	4.50	30.05.2024

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Likely date of achieving FC standards
13	Panchkula	Kalka	0.25	30.06.2023
14	Panchkula	Sec-20, Panchkula	18.00	30.06.2023
15	Jind No.1	Narwana Road, Jind	5.00	31.12.2023
16	Jind-Narwana	Patiala Road, Narwana	3.50	31.12.2023
17	Jind-Narwana	Dharodi Road Narwana	3.75	31.12.2023
18	Jind-Narwana	Narwana	2.00	31.12.2023
19	Jind-Narwana	Near Railway, Uchana	3.00	Completed
20	Jind-Narwana	Bhangra Road, Uchana	1.50	30.06.2023
21	Hisar	Kaimri road, Hisar	4.00	31.03.2024
22	Sirsa	Vill. Nattar 1, Sirsa	5.00	31.12.2024
23	Sirsa	Vill. Nattar 2, Sirsa	5	31.12.2024
Total			103.25	

Interception/diversion of sewage in the un-approved areas (Ghaggar Catchment)

41.55 MLD of effluent was to be tapped/ diverted at 56 locations, out of which 37.8 MLD effluent has been diverted at 44 locations. The balance work is likely to be completed by Dec' 2023. The abstract of interception/diversion is as under:-

Sr. No.	Name of city MC	Deptt.	No. of locations	Quantum of effluent to be diverted MLD	Works Completed		Works in progress		Works not started	
					No. of locations	Quantum (MLD)	No. of locations	Quantum (MLD)	No. of locations	Quantum (MLD)
1	Pehowa	ULBD	3	0.007	3	0.007	0	0	0	0
		PHED	2	0.005	0	0	2	0.005	0	0
2	Cheeka	ULBD	2	0.6	2	0.6	0	0	0	0
3	Kaithal	ULBD	2	3.45	2	3.45	0	0	0	0
4	Panchkula	ULBD	13	8.1	13	8.1	0	0	0	0
		PHED	10	11.94	7	9.9	3	2.04	0	0
		Railway	1	0.39	0	0	0	0	1	0.39
		Panchayats	2	0.3	1	0.14	1	0.06	0	0
		HSVP	10	4.97	6	4.27	2	0.7	2	0.4
		HSPCB	1	0.17	1	0.17	0	0	0	0
	Housing Board	1	0.5	0	0	0	0	1	0.5	
5	Kalayath	ULBD	4	1.12	4	1.12	0	0	0	0
6	Thanesar	ULBD	5	10	5	10	0	0	0	0
	Total		56	41.552	44	37.757	8	2.805	4	1.29

Laying of sewer network in approved/notified areas

3312

51

- 589 Km of sewer line was to be laid in Ghaggar catchment, out of which 561 Km length of sewer line has already been laid. The work of balance 28 Km sewerline is likely to be completed by July 2023.
- Sewerlines are being laid in 2 towns and status of the same is as under:-

Sr. No.	Name of town	Deptt.	Timelines	Length to be laid (in KMs)	Latest progress	% age of work completed
1	Ambala Sadar	ULBD	31.07.2023	305.80	289.63	94.71%
2	Jakhal Mandi	PHED	31.03.2023	46.86	35.00	100% (balance sewer line not required)
Total				352.66	324.63	

3312

51

3313

Septage Management through tankers (Ghaggar Catchment)

52

Septage Management Policy has been notified by all the Municipalities falling in catchment of River Ghaggar in the State and 52 tankers have been registered/ deployed in the MCs for transporting septage. The respective MCs have also started challaning illegal tankers disposing septage. The abstract of septage quantum disposed in last 01 year is as under:-

Sr. No.	Name of MC	No. of private Tankers	No. of tankers of MC	No. of tankers with GPS	Quantum of sewage disposed in STPs though tankers (in MLD)
1	Hisar	14	0	14	2.06
2	Panchkula	5	0	0	5.07
3	Ambala Sadar	2	2	4	0.705
4	Fatehabad	4	0	0	0.133
5	Jind	5	0	3	0.58
6	Kaithal	7	0	3	0.25
7	Narnaund	2	0	0	0.15
8	Rania	1	0	1	0.37
9	Julana	1	0	0	1.25
10	Cheeka	1	0	1	0.12
11	Kalayath	2	0	0	0.13
12	Pehowa	4	0	0	0.44
13	Barara	2	0	0	0.661
Total		50	2	26	11.91

3313

Status of village STPs in Ghaggar catchment

Action plan has been prepared for treatment/diversion of 16.5 MLD sewage generated from rural areas at 45 villages in the catchment of river Ghaggar. The work has been completed at 35 villages and is under progress at 10 villages. The work is likely to be completed latest by Dec 2024. The district- wise abstract is as under:-

Sr. No.	District	No. of works proposed	Quantum (in MLD)	Works completed	Quantum (in MLD)	Works in progress	Quantum (in MLD)
1	Panchkula	7	0.14	7	0.138	0	0
2	Kaithal	29	14.88	23	11.457	6	3.430
3	Fatehabad	7	1.23	5	1.020	2	0.210
4	Sirsa	2	0.32	2	0.318	0	0
Total		45	16.57	37	12.9	8	3.64

3315

REUSE OF TREATED WASTEWATER

3315

54

Utilization of treated sewage

For reuse of treated sewage, 27 STPs of 339 MLD capacity have been taken up in phase-1 of “project of re-use of treated waste water for irrigation purposes through micro-Irrigation”.

The reuse shall start from the year 2023 and shall be completed by year 2025 for all such STPs undertaken in first phase.

57 more STPs are listed in phase-2 to check the feasibility of these STPs for re-use of Treated Waste Water for Irrigation purposes.

3317

Utilization of treated sewage (Phase 1)

56

Sr. No	Name of District	Name of STP	Capacity of STP (In MLD)	Actual/Likely date of Completion	Status Yet to Start of Work	Sr. No	Name of District	Name of STP	Capacity of STP (In MLD)	Actual/Likely date of Completion	Status Yet to Start of Work
1	Bhiwani	Loharu	3.5	30.10.23	50%	15	Hisar	Narnaund	4	31.12.23	Yet to Start
2	Bhiwani	Siwani	4	30.10.23	85%	16	Fatehabad	Fatehabad	10	30.04.23	25%
3	Gurugram	Behrampur	50	30.09.23	20%	17	Fatehabad	Tohana	10	30.10.23	70%
4	Jhajjar	Kosli Road	5.5	30.04.23	75%	18	Fatehabad	Jakhal	3	30.10.23	10%
5	Jhajjar	Sampla Road	5	30.04.23	40%	19	Fatehabad	Ratia	6.5	30.10.23	85%
6	Mohindergarh	Narnaul	7.5	30.06.23	65%	20	Yamuna Nagar	Radaur	3.5	31.05.23	50%
7	Mohindergarh	Narnaul	6.	30.06.23	65%	21	Panipat	Jattal Road, Panipat	30	31.10.25	Yet to Start
8	Mohindergarh	Narnaul	5.5	30.06.23	65%	22	Jind	Jind	28	31.10.25	Yet to Start
9	Rohtak	Kanheli	10	31.12.23	40%	23	Hisar	Hansi	7.5	30.06.24	Yet to Start
10	Karnal	Karnal	50	31.03.24	32%	24	Hisar	Rishi Nagar	40	31.10.25	Yet to Start
11	Karnal	Haikat Nagar	10	31.03.24	25%	25	Kaithal	Gulha	10	31.10.25	Yet to Start
12	Karnal	Shiv Colony	8	31.03.24	25%	26	Kaithal	Kaithal	10	31.10.25	Yet to Start
13	Ambala	Barara	4	31.12.23	Yet to Start	27	Panchkula	Pinjore	5	30.06.24	Yet to Start
14	Amblala	Naraingarh	3	31.12.23	Yet to Start		TOTAL		339.5		56

3318 Utilization of treated sewage (Phase 2)

57

Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)	Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)
1	Ambala City	Nayagaon-I	MBBR	3.25	15	Narwana	Behind FCI Godown, Dharodi Road	MBBR	3.75
2	Ambala City	Nayagaon-II	MBBR	3	16	Narwana	Narwana	MBBR	2
3	Ambala City	Motti Nagar-I	MBBR	5	17	Uchana	Near Railway Line Uchana Road	Oxidation Pond	2
4	Ambala City	Motti Nagar-II	MBBR	5	18	Uchana	Bhangra Road Uchana	MBBR	1.5
5	Ambala City	Model Town	MBBR	6	19	Safidon	Safidon	SBR	9
6	Ambala City	Baldev Nagar-I	MBBR	5	20	Kaithal	Manas Road Kaithal	SBR	10
7	Ambala City	Baldev Nagar-II	MBBR	3.25	21	Kaithal	Manas Road Kaithal	MBBR+TT	10
8	Ambala City	Saddopur	MBBR+TT	0.25	22	Kalayat	Near Nirmal Public School	MBBR+TT	5
9	Kalka	Bangala Town	MBBR+TT	0.25	23	Kurukshetra/ Thanesar	Narkatari Road	SBR	25
10	Hisar	Gangwa Rajgarh Road Hisar	SBR	15	24	Pundri	Pai Road Pundari	MBBR+TT	3.5
11	Hisar	Kaimri Road Hisar	SBR	4	25	Shahbad	Chappra Road, Shahbad	SBR	11.5
12	Jind	Narwana Road Jind	MBBR	5	26	Ellenabad	Mamera Road	MBBR+TT	7.5
13	Jind	Old Hansi Road	SBR	7	27	Fatehabad	Fatehabad	SBR	5
14	Narwana	Jind Patiala Road	MBBR	3.5	28	Rania	Jeevan Nagar Road, Rania	SBR	6

3318

57

3319 Utilization of treated sewage (Phase 2)

58

Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)
29	Sirsa	Kelnia	SBR	20
30	Kalanwali	Desumalkana Road	SBR	9.5
31	Mandi Dabwali	Chautala Road	SBR	16.5
32	Bhuna	Kullana Road	SBR	8
33	Yamuna Nagar	Badhimajra	SBR	10
34	Yamuna Nagar	Radaur Road	SBR	25
35	Yamuna Nagar	Badhimajra	SBR	10
36	Yamuna Nagar	Radaur Road	SBR	20
37	Jagadhari	Parwaloo	SBR	24
38	Chhacharauli (De-Notified Town)	Chhacharauli	MBBR+TT	3
39	Ladwa	Braichpur Road, Ladwa	MBBR+TT	7
40	Bahadurgarh	Najafgarh Road Near Bye Pass	SBR	36
41	Beri	Dubaldhan Road	Oxidation Pond	2
42	Gharaunda	Near BRM College	SBR	7

3319

Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)
43	Indri	Near Grain Market	SBR	4
44	Nilokheri	Near Railway Station	MBBR+TT	6
45	Nissing	Kaithal Road	MBBR+TT	4
46	Panipat	Jattal Road	UASB With Extended aeration	10
47	Panipat	Siwah	UASB with Extended aeration	35
48	Panipat	Siwah	SBR	25
49	Taraori	Nadn Road	MBBR+TT	5.5
50	Hodal	Hodal	MBBR+TT	9
51	Palwal	Jodhpur Road Palwal	Oxidation Pond	9
52	Kalanaur	Jindran Road Kalanaur	MBBR	3.5
53	Meham	Bharan Road Meham	MBBR	5
54	Rohtak	Singhpura Road	MBBR	10
55	Rohtak	Singhpura Road	SBR	14
56	Rohtak	PGIMS Rohtal	SBR	19
57	Sampla	Sampla Kharkhoda Bypass Road	MBBR	4

58

3320



THANK YOU

3320

Annex I: Status of existing STPs in the catchment of river Yamuna

3321

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
1	Radaur Road, Yamuna Nagar by PHED	PHED	20	24.02.2023	Complying
2	Radaur Road, Yamuna Nagar by PHED	PHED	25	24.02.2023	Complying
3	Baddimajra, Yamuna Nagar by PHED*	PHED	10	24.02.2023	Complying
4	Baddimajra, Yamuna Nagar by PHED*	PHED	10	24.02.2023	Complying
5	Parwaloo, Jagadhri Yamuna Nagar by PHED	PHED	24	24.02.2023	Complying
6	Chhachhrauli Yamuna Nagar by PHED	PHED	3	24.02.2023	Complying
7	Radaur Yamuna Nagar by PHED	PHED	3.5	24.02.2023	Complying
8	Indri Road, Ladwa Kurukshetra by PHED	PHED	7	15.02.2023	Complying
9	Indri, Karnal by PHED*	PHED	4	10.02.2023	Complying
10	Nilokheri, Karnal by PHED	PHED	6	10.02.2023	Complying
11	Tarori Karnal by PHED	PHED	5.5	10.02.2023	Complying
12	Gharaunda, Karnal by PHED	PHED	7	17.02.2023	Complying
13	Gogharipur Road, karnal by ULB	ULBD	10	17.02.2023	Complying
14	RK Puram, Karnal by ULB	ULBD	8	11.01.2023	Complying
15	Transport Nagar, Karnal by ULB*	ULBD	50	17.02.2023	Complying
16	Sewah, Panipat by PHED	PHED	35	22.02.2023	Complying
17	Sewah, Panipat Panipat by PHED	PHED	25	22.02.2023	Complying
18	Jattal Road, Panipat by PHED	PHED	20	22.02.2023	Complying
19	Jattal Road, Panipat by PHED	PHED	10	22.02.2023	Complying

Annex I: Status of existing STPs in the catchment of river Yamuna

[Back](#)

3322

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
20	Sec-19, Panipat by HSVP	HSVP	30	22.02.2023	Complying
21	Sec-6, Panipat by HSVP	HSVP	0.8	22.02.2023	Complying
22	Rathdana Road, Sonapat by ULB	ULBD	30	28.02.2023	Complying
23	Kakroi Road, Sonapat by ULB	ULBD	25	28.02.2023	Complying
24	Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP	HSVP	7.5	28.02.2023	Complying
25	PGI Rohtak by PHED	PHED	19.5	28.02.2023	Complying
26	Singhpura, Rohtak by PHED	PHED	14	28.02.2023	Complying
27	Beri Jhajjar by PHED	PHED	3	28.02.2023	Complying
28	Najafgarh road Bahadurgarh by PHED	PHED	36	28.02.2023	Complying
29	Sec-36, Bahadurgarh by HSVP	HSVP	10	28.02.2023	Complying
30	Faridabad by HSVP	HSVP	7.5		Complying
31	Dhanwapur, Gurgaon by GMDA	GMDA	50	23.02.2023	Complying
32	Dhanwapur, Gurgaon by GMDA	GMDA	68	23.02.2023	Complying
33	Behrampur, Gurgaon by GMDA	GMDA	120	10.02.2023	Complying
34	Behrampur, Gurgaon by GMDA	GMDA	50	10.02.2023	Complying

3322

Annex II: Status of existing STPs in the catchment of river Yamuna

[Back](#)

3323

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
62 35	Nissing Karnal by PHED	PHED	4	10.02.2023	Non-Complying
36	Samalkha, Panipat by PHED	PHED	5	22.02.2023	Non Complying
37	Kharkhoda Sonapat by PHED	PHED	4.5	28.02.2023	Non Complying
38	Ganaur Sonapat	PHED	7	28.02.2023	Non Complying
39	Gohana Sonapat by PHED	PHED	3	28.02.2023	Non Complying
40	Gohana Sonapat by PHED	PHED	8.3	28.02.2023	Non Complying
41	Sonaria, Rohtak by PHED	PHED	40	28.02.2023	Non-complying
42	Kalanaur Rohtak by PHED	PHED	3.5	28.02.2023	Non-complying
43	Meham Rohtak by PHED	PHED	5	28.02.2023	Non-complying
44	Sampla Rohtak by PHED	PHED	4	28.02.2023	Non-complying
45	Sec-25, Rohtak by HSVP	HSVP	10	30.10.2021	Non-complying (Under Upgradation)
46	Singhpura, Rohtak by ULB*		10		Non Complying (Under Maintenance)
47	Jhajjar by PHED	PHED	5	28.02.2023	Non-complying

3323

Annex II: Status of existing STPs in the catchment of river Yamuna

3324

[Back](#)

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
48	Jhajjar by PHED	PHED	5.5	28.02.2023	Non-complying
49	Line Par, Bahadurgarh by PHED	PHED	18	28.02.2023	Non-complying
50	Tarou by PHED	PHED	4.5	25.02.2023	Non Complying
51	Punhana by PHED	PHED	4.5	25.02.2023	Non Complying
52	Nuh by PHED	PHED	3.6	25.02.2023	Non Complying
53	Ferozpur Jhirka by PHED	PHED	5	25.02.2023	Non Complying
54	Hathin by PHED	PHED	4.5	27.02.2023	Non Complying
55	Hodal by PHED	PHED	9	27.02.2023	Non Complying
56	Palwal by PHED	PHED	9	27.02.2023	Non Complying
57	Hassanpur by PHED	PHED	3	27.02.2023	Non Complying
58	Badshahpur, Faridabad	FMDA	45	31.01.2023	Non-Complying
59	Dhanwapur, Gurgaon by GMDA	GMDA	100	23.02.2023	Non-Complying

3324

Annex III: Status of existing STPs in the catchment of river Ghaggar

[Back](#)

3325

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
64	1 0.25 MLD Sadopur , Ambala PHED in 31.12.2016	PHED	0.25	17.02.2023	Complying
	2 2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	HSVP	2	24.02.2023	Complying
	3 5 MLD STP Ambala by HSVP	HSVP	5	17.02.2023	Complying
	4 25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	PHED	25	08.02.2023	Complying
	5 8 MLD STP Model Town, Pehowa Kurukshetra by PHED in May dt. 2015	PHED	8	25.01.2023	Complying
	6 11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016	PHED	11.5	15.02.2023	Complying
	7 15 MLD STP Kurukshetra by HSVP	HSVP	15	08.02.2023	Complying
	8 5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	PHED	5	17.02.2023	Complying
	9 18 MLD STP Panchkula by HUDA in 31.12.2002	HSVP	18	20.02.2023	Complying
	10 39 MLD STP Panchkula by HUDA in Nov. 2011	HSVP	39	20.02.2023	Complying
	11 15 MLD STP Sector- 28, Panchkula by HUDA in 2012	HSVP	15	23.02.2023	Complying
	12 9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	GE	9	21.02.2023	Complying
	13 15 MLD STP by PHED Jind in Jan, 2009	PHED	15	27.02.2023	Complying
	14 7 MLD STP, Jind by PHED in 30.11.2019	PHED	7	27.02.2023	Complying
	15 9 MLD STP Safidon , Jind by PHED in 31.05.2018	PHED	9	27.02.2023	Complying
	16 10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013	PHED	10	22.02.2023	Complying
	17 10 MLD STP , Jind Road Kaithal by PHED in	PHED	10	22.02.2023	Complying

3325

Annex III: Status of existing STPs in the catchment of river Ghaggar

[Back](#)

3326

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
20	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	PHED	5	22.02.2023	Complying
21	3.5 Pundri Kaithal by PHED in 4.7.2014	PHED	3.5	22.02.2023	Complying
22	7.5 MLD Kaithal by HUDA in 31.8.2016	HSVP	7.5	22.02.2023	Complying
23	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	PHED	15	05.02.2023	Complying
24	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	PHED	40	05.02.2023	Complying
25	4 MLD STP Narnaund, Hisar by PHED	PHED	4	06.02.2023	Complying
26	8 MLD STP Village Dabra by ULBD	ULBD	8	05.02.2023	Complying
27	15 MLD STP, Shamsabad patti , Kalaria Road, Sirsa by PHED in 1.7.2012	PHED	15	07.02.2023	Complying
28	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	PHED	7.5	07.02.2023	Complying
29	9.5 MLD STP, Daddu Road,Kalanwali, Sirsa by PHED in 17.02.2018	PHED	9.5	07.02.2023	Complying
30	6 MLD STP Rania Sirsa by PHED in 30.6.2017	PHED	6	07.02.2023	Complying
31	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017	PHED	16.5	07.02.2023	Complying
32	20 MLD STP at Kelnia Sirsa by PHED	PHED	20	07.02.2023	Complying
33	10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013	PHED	10	21.02.2023	Complying
34	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	PHED	10	22.02.2023	Complying
35	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2018	PHED	6.5	21.02.2023	Complying
36	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018	PHED	5	21.02.2023	Complying

3326

65

REUSE OF TREATED WASTEWATER

Utilization of treated sewage

For reuse of treated sewage, 27 STPs of 339 MLD capacity have been taken up in phase-1 of “project of re-use of treated waste water for irrigation purposes through micro-Irrigation”.

The reuse shall start from the year 2023 and shall be completed by year 2025 for all such STPs undertaken in first phase.

57 more STPs are listed in phase-2 to check the feasibility of these STPs for re-use of Treated Waste Water for Irrigation purposes.

Utilization of treated sewage (Phase 1)

Sr. No	Name of District	Name of STP	Capacity of STP (In MLD)	Actual/Likely date of Completion	Status Yet to Start of Work	Sr. No	Name of District	Name of STP	Capacity of STP (In MLD)	Actual/Likely date of Completion	Status Yet to Start of Work
1	Bhiwani	Loharu	3.5	30.10.23	50%	15	Hisar	Narnaund	4	31.12.23	Yet to Start
2	Bhiwani	Siwani	4	30.10.23	85%	16	Fatehabad	Fatehabad	10	30.04.23	25%
3	Gurugram	Behrampur	50	30.09.23	20%	17	Fatehabad	Tohana	10	30.10.23	70%
4	Jhajjar	Kosli Road	5.5	30.04.23	75%	18	Fatehabad	Jakhal	3	30.10.23	10%
5	Jhajjar	Sampla Road	5	30.04.23	40%	19	Fatehabad	Ratia	6.5	30.10.23	85%
6	Mohindergarh	Narnaul	7.5	30.06.23	65%	20	Yamuna Nagar	Radaur	3.5	31.05.23	50%
7	Mohindergarh	Narnaul	6.	30.06.23	65%	21	Panipat	Jattal Road, Panipat	30	31.10.25	Yet to Start
8	Mohindergarh	Narnaul	5.5	30.06.23	65%	22	Jind	Jind	28	31.10.25	Yet to Start
9	Rohtak	Kanheli	10	31.12.23	40%	23	Hisar	Hansi	7.5	30.06.24	Yet to Start
10	Karnal	Karnal	50	31.03.24	32%	24	Hisar	Rishi Nagar	40	31.10.25	Yet to Start
11	Karnal	Haikat Nagar	10	31.03.24	25%	25	Kaithal	Gulha	10	31.10.25	Yet to Start
12	Karnal	Shiv Colony	8	31.03.24	25%	26	Kaithal	Kaithal	10	31.10.25	Yet to Start
13	Ambala	Barara	4	31.12.23	Yet to Start	27	Panchkula	Pinjore	5	30.06.24	Yet to Start
14	Amblala	Naraingarh	3	31.12.23	Yet to Start	TOTAL			339.5		68

3330 Utilization of treated sewage (Phase 2)

69

Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)	Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)
1	Ambala City	Nayagaon-I	MBBR	3.25	15	Narwana	Behind FCI Godown, Dharodi Road	MBBR	3.75
2	Ambala City	Nayagaon-II	MBBR	3	16	Narwana	Narwana	MBBR	2
3	Ambala City	Motti Nagar-I	MBBR	5	17	Uchana	Near Railway Line Uchana Road	Oxidation Pond	2
4	Ambala City	Motti Nagar-II	MBBR	5	18	Uchana	Bhangra Road Uchana	MBBR	1.5
5	Ambala City	Model Town	MBBR	6	19	Safidon	Safidon	SBR	9
6	Ambala City	Baldev Nagar-I	MBBR	5	20	Kaithal	Manas Road Kaithal	SBR	10
7	Ambala City	Baldev Nagar-II	MBBR	3.25	21	Kaithal	Manas Road Kaithal	MBBR+TT	10
8	Ambala City	Saddopur	MBBR+TT	0.25	22	Kalayath	Near Nirmal Public School	MBBR+TT	5
9	Kalka	Bangala Town	MBBR+TT	0.25	23	Kurukshetra/Thanesar	Narkatari Road	SBR	25
10	Hisar	Gangwa Rajgarh Road Hisar	SBR	15	24	Pundri	Pai Road Pundari	MBBR+TT	3.5
11	Hisar	Kaimri Road Hisar	SBR	4	25	Shahbad	Chappra Road, Shahbad	SBR	11.5
12	Jind	Narwana Road Jind	MBBR	5	26	Ellenabad	Mamera Road	MBBR+TT	7.5
13	Jind	Old Hansi Road	SBR	7	27	Fatehabad	Fatehabad	SBR	5
14	Narwana	Jind Patiala Road	MBBR	3.5	28	Rania	Jeevan Nagar Road, Rania	SBR	6

3330

69

3331 Utilization of treated sewage (Phase 2)

70

Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)
29	Sirsa	Kelnia	SBR	20
30	Kalanwali	Desumalkana Road	SBR	9.5
31	Mandi Dabwali	Chautala Road	SBR	16.5
32	Bhuna	Kullana Road	SBR	8
33	Yamuna Nagar	Badhimajra	SBR	10
34	Yamuna Nagar	Radaur Road	SBR	25
35	Yamuna Nagar	Badhimajra	SBR	10
36	Yamuna Nagar	Radaur Road	SBR	20
37	Jagadhari	Parwaloo	SBR	24
38	Chhacharauli (De-Notified Town)	Chhacharauli	MBBR+TT	3
39	Ladwa	Braichpur Road, Ladwa	MBBR+TT	7
40	Bahadurgarh	Najafgarh Road Near Bye Pass	SBR	36
41	Beri	Dubaldhan Road	Oxidation Pond	2
42	Gharaunda	Near BRM College	SBR	7

Sr. No.	Name of Town	Location	Technology Based on	Capacity (MLD)
43	Indri	Near Grain Market	SBR	4
44	Nilokheri	Near Railway Station	MBBR+TT	6
45	Nissing	Kaithal Road	MBBR+TT	4
46	Panipat	Jattal Road	UASB With Extended aeration	10
47	Panipat	Siwah	UASB with Extended aeration	35
48	Panipat	Siwah	SBR	25
49	Taraori	Nadn Road	MBBR+TT	5.5
50	Hodal	Hodal	MBBR+TT	9
51	Palwal	Jodhpur Road Palwal	Oxidation Pond	9
52	Kalanaur	Jindran Road Kalanaur	MBBR	3.5
53	Meham	Bharan Road Meham	MBBR	5
54	Rohtak	Singhpura Road	MBBR	10
55	Rohtak	Singhpura Road	SBR	14
56	Rohtak	PGIMS Rohtal	SBR	19
57	Sampla	Sampla Kharkhoda Bypass Road	MBBR	4

3331

70

3332



THANK YOU

3332

Annex I: Status of existing STPs in the catchment of river Yamuna

3333

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
1	Radaur Road, Yamuna Nagar by PHED	PHED	20	24.02.2023	Complying
2	Radaur Road, Yamuna Nagar by PHED	PHED	25	24.02.2023	Complying
3	Baddimajra, Yamuna Nagar by PHED*	PHED	10	24.02.2023	Complying
4	Baddimajra, Yamuna Nagar by PHED*	PHED	10	24.02.2023	Complying
5	Parwaloo, Jagadhri Yamuna Nagar by PHED	PHED	24	24.02.2023	Complying
6	Chhachhrauli Yamuna Nagar by PHED	PHED	3	24.02.2023	Complying
7	Radaur Yamuna Nagar by PHED	PHED	3.5	24.02.2023	Complying
8	Indri Road, Ladwa Kurukshetra by PHED	PHED	7	15.02.2023	Complying
9	Indri, Karnal by PHED*	PHED	4	10.02.2023	Complying
10	Nilokheri, Karnal by PHED	PHED	6	10.02.2023	Complying
11	Tarori Karnal by PHED	PHED	5.5	10.02.2023	Complying
12	Gharaunda, Karnal by PHED	PHED	7	17.02.2023	Complying
13	Gogharipur Road, karnal by ULB	ULBD	10	17.02.2023	Complying
14	RK Puram, Karnal by ULB	ULBD	8	11.01.2023	Complying
15	Transport Nagar, Karnal by ULB*	ULBD	50	17.02.2023	Complying
16	Sewah, Panipat by PHED	PHED	35	22.02.2023	Complying
17	Sewah, Panipat Panipat by PHED	PHED	25	22.02.2023	Complying
18	Jattal Road, Panipat by PHED	PHED	20	22.02.2023	Complying
19	Jattal Road, Panipat by PHED	PHED	10	22.02.2023	Complying

Annex I: Status of existing STPs in the catchment of river Yamuna

3334

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
20	Sec-19, Panipat by HSVP	HSVP	30	22.02.2023	Complying
21	Sec-6, Panipat by HSVP	HSVP	0.8	22.02.2023	Complying
22	Rathdana Road, Sonapat by ULB	ULBD	30	28.02.2023	Complying
23	Kakroi Road, Sonapat by ULB	ULBD	25	28.02.2023	Complying
24	Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP	HSVP	7.5	28.02.2023	Complying
25	PGI Rohtak by PHED	PHED	19.5	28.02.2023	Complying
26	Singhpura, Rohtak by PHED	PHED	14	28.02.2023	Complying
27	Beri Jhajjar by PHED	PHED	3	28.02.2023	Complying
28	Najafgarh road Bahadurgarh by PHED	PHED	36	28.02.2023	Complying
29	Sec-36, Bahadurgarh by HSVP	HSVP	10	28.02.2023	Complying
30	Faridabad by HSVP	HSVP	7.5		Complying
31	Dhanwapur, Gurgaon by GMDA	GMDA	50	23.02.2023	Complying
32	Dhanwapur, Gurgaon by GMDA	GMDA	68	23.02.2023	Complying
33	Behrampur, Gurgaon by GMDA	GMDA	120	10.02.2023	Complying
34	Behrampur, Gurgaon by GMDA	GMDA	50	10.02.2023	Complying

3334

Annex II: Status of existing STPs in the catchment of river Yamuna 3335

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
74 35	Nissing Karnal by PHED	PHED	4	10.02.2023	Non-Complying
36	Samalkha, Panipat by PHED	PHED	5	22.02.2023	Non Complying
37	Kharkhoda Sonapat by PHED	PHED	4.5	28.02.2023	Non Complying
38	Ganaur Sonapat	PHED	7	28.02.2023	Non Complying
39	Gohana Sonapat by PHED	PHED	3	28.02.2023	Non Complying
40	Gohana Sonapat by PHED	PHED	8.3	28.02.2023	Non Complying
41	Sonaria, Rohtak by PHED	PHED	40	28.02.2023	Non-complying
42	Kalanaur Rohtak by PHED	PHED	3.5	28.02.2023	Non-complying
43	Meham Rohtak by PHED	PHED	5	28.02.2023	Non-complying
44	Sampla Rohtak by PHED	PHED	4	28.02.2023	Non-complying
45	Sec-25, Rohtak by HSVP	HSVP	10	30.10.2021	Non-complying (Under Upgradation)
46	Singhpura, Rohtak by ULB*		10		Non Complying (Under Maintenance)
47	Jhajjar by PHED	PHED	5	28.02.2023	Non-complying

Annex II: Status of existing STPs in the catchment of river Yamuna

3336

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
75	48 Jhajjar by PHED	PHED	5.5	28.02.2023	Non-complying
	49 Line Par, Bahadurgarh by PHED	PHED	18	28.02.2023	Non-complying
	50 Tarou by PHED	PHED	4.5	25.02.2023	Non Complying
	51 Punhana by PHED	PHED	4.5	25.02.2023	Non Complying
	52 Nuh by PHED	PHED	3.6	25.02.2023	Non Complying
	53 Ferozpur Jhirka by PHED	PHED	5	25.02.2023	Non Complying
	54 Hathin by PHED	PHED	4.5	27.02.2023	Non Complying
	55 Hodal by PHED	PHED	9	27.02.2023	Non Complying
	56 Palwal by PHED	PHED	9	27.02.2023	Non Complying
	57 Hassanpur by PHED	PHED	3	27.02.2023	Non Complying
	58 Badshahpur, Faridabad	FMDA	45	31.01.2023	Non-Complying
	59 Dhanwapur, Gurgaon by GMDA	GMDA	100	23.02.2023	Non-Complying

3336

Annex III: Status of existing STPs in the catchment of river Ghaggar

3337

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
76	1 0.25 MLD Sadopur , Ambala PHED in 31.12.2016	PHED	0.25	17.02.2023	Complying
2	2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	HSVP	2	24.02.2023	Complying
3	5 MLD STP Ambala by HSVP	HSVP	5	17.02.2023	Complying
4	25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	PHED	25	08.02.2023	Complying
5	8 MLD STP Model Town, Pehowa Kurukshetra by PHED in May dt. 2015	PHED	8	25.01.2023	Complying
6	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016	PHED	11.5	15.02.2023	Complying
7	15 MLD STP Kurukshetra by HSVP	HSVP	15	08.02.2023	Complying
8	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	PHED	5	17.02.2023	Complying
9	18 MLD STP Panchkula by HUDA in 31.12.2002	HSVP	18	20.02.2023	Complying
10	39 MLD STP Panchkula by HUDA in Nov. 2011	HSVP	39	20.02.2023	Complying
11	15 MLD STP Sector- 28, Panchkula by HUDA in 2012	HSVP	15	23.02.2023	Complying
12	9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	GE	9	21.02.2023	Complying
13	15 MLD STP by PHED Jind in Jan, 2009	PHED	15	27.02.2023	Complying
14	7 MLD STP, Jind by PHED in 30.11.2019	PHED	7	27.02.2023	Complying
15	9 MLD STP Safidon , Jind by PHED in 31.05.2018	PHED	9	27.02.2023	Complying
16	10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013	PHED	10	22.02.2023	Complying
17	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	PHED	10	22.02.2023	Complying
18	10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR)	PHED	10	22.02.2023	Complying
19	10 MLD Manas Road, Kaithal bby PHED in Sep , 2012 (SBR)	PHED	10	22.02.2023	Complying

3337

Annex III: Status of existing STPs in the catchment of river Ghaggar

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
20	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	PHED	5	22.02.2023	Complying
21	3.5 Pundri Kaithal by PHED in 4.7.2014	PHED	3.5	22.02.2023	Complying
22	7.5 MLD Kaithal by HUDA in 31.8.2016	HSVP	7.5	22.02.2023	Complying
23	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	PHED	15	05.02.2023	Complying
24	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	PHED	40	05.02.2023	Complying
25	4 MLD STP Narnaund, Hisar by PHED	PHED	4	06.02.2023	Complying
26	8 MLD STP Village Dabra by ULBD	ULBD	8	05.02.2023	Complying
27	15 MLD STP, Shamsabad patti , Kalania Road, Sirsa by PHED in 1.7.2012	PHED	15	07.02.2023	Complying
28	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	PHED	7.5	07.02.2023	Complying
29	9.5 MLD STP, Daddu Road,Kalanwali, Sirsa by PHED in 17.02.2018	PHED	9.5	07.02.2023	Complying
30	6 MLD STP Rania Sirsa by PHED in 30.6.2017	PHED	6	07.02.2023	Complying
31	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017	PHED	16.5	07.02.2023	Complying
32	20 MLD STP at Kelnia Sirsa by PHED	PHED	20	07.02.2023	Complying
33	10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013	PHED	10	21.02.2023	Complying
34	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	PHED	10	22.02.2023	Complying
35	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014	PHED	6.5	21.02.2023	Complying
36	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018	PHED	5	21.02.2023	Complying
37	3 MLD STP Jhakhhal Mandi, Fatehabad by PHED in 30.9.2019	PHED	3	21.02.2023	Complying
38	8 MLD STP at Bhuna, Fatehabad	PHED	8		Complying
39	10 MLD STP Majra, Fatehabad by HUDA in 16.12.17	HSVP	10	21.02.2023	Complying