

I/124226/2022



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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HSPCB

Dated:-13/07/2022

To

1. The Secretary, Government of India,
Ministry of Jal Shakti, Department of Water Resources,
River Development & Ganga Rejuvenation,
Shram Shakti Bhawan, Rafi Marg.
New Delhi.
2. The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
New Delhi

Sub:- Monthly progress Report by State of Haryana regarding Ghaggar and Yamuna Action Plan for the month of March, April and May,2022.

Sir,

Kindly refer to the subject noted above.

In this connection, it is intimated that there are two polluted river stretches in the State of Haryana i.e. river Ghaggar and Yamuna. I have been directed to enclose herewith the progress report of Ghaggar and Yamuna Action Plan of Haryana for the month of March, April and May,2022 on the prescribed format for your kind information and necessary action please.

DA/ As above

Signed by Jatinder Pal
Singh
Sr. Env. Engineer(HQ)
For Member Secretary
Date: 13/07/2022 (12):30

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No.
673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Haryana
Upto March, 2022

Overall status of the State:

I. Total Population: Urban Population & Rural Population

- ✓ Ghaggar catchment
Population – 26.9 lacs
- Yamuna catchment
Population – 73.4 lacs
- ❖ Other areas-
Population- 10.8 lacs

II. Estimated Sewage Generation (MLD):

- ✓ Ghaggar catchment
291.46 MLD sewage generation
- Yamuna catchment
1086 MLD sewage generation
- ❖ Other areas
117.5 MLD

III. Details of Sewage Treatment Plant:

• Existing no. of STPs and Treatment Capacity (in MLD):

- ✓ Ghaggar
62 STPs of treatment capacity of 535 MLD
- Yamuna
59 STPs of treatment capacity of 1074.2 MLD
- ❖ Other areas-
35 STPs of treatment capacity of 225 MLD.

• Capacity Utilization of existing STPs:

- ✓ Ghaggar
295.7 MLD effluent reaching STPs.
- Yamuna
1027.5 MLD effluent reaching STPs.

- ❖ Other areas-
131 MLD effluent reaching STPs.

- **MLD of sewage being treated through Alternate technology:**
NIL

- **Gap in Treatment Capacity in MLD:**

- **Yamuna**

There is Gap of 240.5 MLD in the installed treatment capacity at present in comparison to requirement i.e. sewage generation in some towns in catchment of river Yamuna i.e. Samalkha (0.56 MLD), Beri (0.15 MLD), Palwal (9.3 MLD), Faridabad (144.5 MLD) and Gurugram (86 MLD).

- **No. of Operational STPs:**

Ghaggar

There are total 62 STPs installed in the catchment of river Ghaggar with the capacity of 535 MLD. As per latest status, 21 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-1**.

Yamuna

There are total 59 STPs installed in the catchment of river Yamuna with the capacity of 1074 MLD. As per latest status, 25 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-2**.

Other Areas

There are total 35 STPs of 225 MLD capacity installed in the other areas not falling in the catchment of rivers. Out of these 22 STPs are not meeting the prescribed limits. The list is enclosed as **Annexure-3**.

Table- Details of town wise STPs in the State of Haryana is given as under:-

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
Ghaggar Catchment					
1	Naraingarh	3	1.7	Operational	Non Complying
2	Ambala	44	22.1	Operational	3 STPs are complying, 9 STPs are Non-Complying (3 MLD Naya Gaon, Unit-I, 3.25 MLD Naya Gaon, Unit-II, 5 MLD Baldev Nagar Unit-I , 3.25 MLD Unit-II, Baldev Nagar, 5 MLD Moti Nagar, Unit -1, 5 MLD Moti Nagar, Unit-II, 6 MLD Modal Town, 3.25 MLD Nasirpur, 2 MLD Urban Estate, Ambala and 3 MLD Devi Nagar)

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
3	Ratia	6.5	4.5	Operational	Complying
4	Tohana	10	8.2	Operational	Non Complying
5	Jhakal Mandi	3	1.5	Operational	Complying
6	Fatehabad	33	14	Operational	3 STPs complying & 1 STP non-complying at 10 MLD Bhodia Khera, Fatehabad.
7	Hisar	82	50	Operational	4 STPs are complying and 1 STP is Non Complying (4 MLD Kaimri Road, Hisar)
8	Narnaund	4	2.15	Operational	Complying
9	Narwana	9.25	7.03	Operational	3 STPs Non-Complying (3.5 MLD Patiala Road, Narwana, 3.75 MLD Narwana and 2 MLD Dablain Road Narwana)
10	Uchana	3.5	2.75	Operational	2 STPs are Non complying
11	Jind	37	20	Operational	3 STPs are Complying and 1 STP is Non Complying in F. Coli
12	Safidon	9	3.2	Operational	Complying
13	Cheeka	10	5.5	Operational	Complying
14	Kaithal	37.5	21.5	Operational	4 STPs are Non Complying in F. Coli
15	Kalayath	5	3.5	Operational	Non Complying in F. Coli
16	Pundri	3.5	3.25	Operational	Non Complying in F. Coli
17	Shahabad	11.5	6.5	Operational	Complying
18	Pehowa	8	5.5	Operational	Non Complying in F. Coli
19	Thanesar	40	18	Operational	2 STPs are Complying
20	Kalka	4.75	2.55	Operational	1 STP is non-complying and 1 STP is Non Complying in F. Coli
21	Pinjore	5	3.5	Operational	Complying
22	Panchkula	81	34.74	Operational	2 STP Non-Complying in F. Coli. and 2 STPs are complying
23	Mandi Dabwali	16.5	13.5	Operational	Complying
24	Kalanwali	9.5	2.5	Operational	Non-Complying in F. Coli.
25	Sirsa	45	29.5	Operational	1 STP is complying, 1 STP is Non-Complying in F.

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
					Coli. and 2 STPs Non-Complying (5 MLD Nattar 1, Sirsa and 5 MLD Nattar 2, Sirsa)
26	Rania	6	2.60	Operational	Complying
27	Ellenabad	7.5	6	Operational	Complying
Total		535	295.77		
Yamuna Catchment					
1	Jagadhri	24	18.5	Operational	Complying
2	Yamunanagar	65	43.70	Operational	4 STPs are Complying
3	Radaur	3.5	2	Operational	Complying
4	Chhachhrauli	3	1.75	Operational	Complying
5	Ladwa	7	5	Operational	Complying
6	Nilokheri	6	3.5	Operational	Complying
7	Taraori	5.5	3.8	Operational	Complying
8	Indri	4	2.35	Operational	Complying
9	Karnal	68	59	Operational	3 STPs are Complying
10	Nissing	4	2.3	Operational	Complying
11	Gharaunda	7	4.7	Operational	Complying
12	Panipat	120.8	42	Operational	3 STPs Non Complying in F. Coli and 3 STPs are complying
13	Samalkha	5	4	Operational	Non Complying
14	Gohana	11.3	8.72	Operational	2 STPs are Non Complying in F. Coli
15	Ganaur	7	5.5	Operational	Non-Complying
16	Sonepat	62.5	48.3	Operational	3 STPs are Complying
17	Kharkhoda	4.5	2	Operational	Complying
18	Meham	5	2.65	Operational	Non Complying
19	Rohtak	93.5	49.7	Operational	2 STPs are Complying and 3 STPs are non-complying 40 MLD Sonaria, Rohtak, 10 MLD sector-25, Rohtak and 10 MLD Singhpura Rohtak)
20	Kalanaur	3.5	2.5	Operational	Non Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
21	Sampla	4	2.66	Operational	Non Complying
22	Beri	2	1.72	Operational	Non Complying in F. Coli
23	Bahadurgarh	64	22.6	Operational	3 STPs are non- complying
24	Jhajjar	10.5	6.45	Operational	2 STPs are Non Complying
25	Taoru	4.5	2.6	Operational	Non-complying
26	Gurugram	388	474	Operational	2 STPs complying and 2 STPs non-complying (100 MLD Dhanwapur, Gurugram and 120 MLD Behrampur, Gurugram).
27	Nuh	3.6	2.3	Operational	Non Complying
28	Ferozepur jhirka	5	2.45	Operational	Non-complying in F. Coli
29	Punhana	4.5	1.25	Operational	Non Complying
30	Faridabad	52.5	197	Operational	1 STP complying & 1 STP is non-complying
31	Palwal	9	9	Operational	Non Complying
32	Hathin	4.5	2.08	Operational	Non Complying
33	Hassanpur	3	1.25	Operational	Non Complying
34	Hodal	9	4.6	Operational	Non Complying
Total		1074.2	1027.52		
Other STPs					
1	Sohna	6	4.5	Operational	Non Complying
2	Pataudi	4.5	2.7	Operational	Non Complying
3	Farrukhnagar	3	1.85	Operational	Non Complying
4	Haily Mandi	5.5	2.9	Operational	Non-complying in F. Coli
5	Julana	4	2.3	Operational	Non Complying
6	Dhana Road, Bhiwani	10		Operational	Non Complying
7	Bhiwani	10	38	Operational	Non Complying
8	Bhiwani	15		Operational	Complying
9	Bhiwani	15		Operational	Complying
10	Charkhi Dadri	5	6	Operational	Non Complying
11	Charkhi Dadri	5		Operational	Non Complying
12	Bawani Khera	4.5	2	Operational	Non Complying
13	Loharu	3.5	2	Operational	Non Complying
14	Tosham	3	1.62	Operational	Complying
15	Siwani	4	2.75	Operational	Non Complying
16	Mohindergarh	6.5	2.5	Operational	Complying
17	Ateli Mandi	2	1.16	Operational	Complying
18	Kanina	3	0.89	Operational	Complying
19	Rewari Road,	7.5	5	Operational	Non Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
	Narnaul				
20	Bawal	3	2	Operational	Non-complying in F. Coli
21	Rewari	6.5		Operational	Non Complying
22	Rewari	8		Operational	Non Complying
23	Rewari	16	20	Operational	Non Complying in F. Coli
24	Dharuhera	9.5	4	Operational	Non Complying in F. Coli
25	Kosli	3	2	Operational	Non Complying
26	Barara	4	2.34	Operational	Complying
27	Assandh	5	3.80	Operational	Complying
28	Hansi	6.5	13	Operational	Non Complying
29	Dhani Gram, Barwala	6	4.5	Operational	Non Complying
30	Uklana	6.5	3.5	Operational	Non Complying
31	Dhani Kushal, Bhiwani Road, Hansi	5		Operational	Non Complying
32	Lalpura- Jind Road, Hansi	7.5		Operational	Non Complying
33	Bhiwani	10		Operational	Complying
34	Dharuhera	5		Operational	Non Complying in F. Coli
35	Near Chinkara Rest House, Rewari Road, Narnaul	6		Operational	Non Complying in F. Coli
Total		225	131.31		

Details of under construction STPs in the State

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
Ghaggar Catchment					
1	12 Cross Road, Ambala	12	35%	215311 House sewer connections provided in the Ghaggar Catchment.	31.01.2023
2	Khatoli	0.75	100%		31.10.2021
3	Billa	0.75	100%		31.10.2021
4	Khuda Khurd, Ambala	12	40%		31.01.2023
5	Babyal	10	95%		31.05.2022
6	Shahpur Machhonda	7.5	50%		31.08.2022
7	Saketri-STP	1.5	82%		30.06.2022
8	Sirsa	7.5	100%		31.01.2022
9	Sukhdarshanpur	0.75	100%		31.07.2021
10	Uchana	2	86%		30.06.2022

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
11	Ramgarh, Panchkula	1	86%		30.06.2022
	Total	55.75			
Yamuna Catchment					
1	Shiv Colony, Karnal	8	91%	195520 House sewer connections provided in the Yamuna Catchment.	31.08.2022
2	Phooshgarh, Karnal	20	92%		31.08.2022
3	Peer Bodhi, Rohak	15	65%		30.09.2022
4	Faridabad, sector-21	10	65%		30.11.2022
5	Kithwari	10	70%		30.09.2022
6	Jodhpur Road, Palwal	15	67%		30.09.2022
7	Ferozpur, Palwal	2.5	70%		30.09.2022
8	Sonepat (Aterna)	15	67%		31.12.2022
9	Murthal Sonepat	3	36%		31.12.2022
10	Jhazgarh	20	37%		30.09.2022
11	Bajghera	2	21%		31.12.2022
12	Rohtak	10	93%		30.06.2022
13	Mirjapur, Faridabad	80	38%		30.11.2022
14	Partapgarh, Faridabad	100	41%		30.11.2022
15	Faridabad	30	78%		30.06.2022
16	Beri	2	100%		31.03.2022
17	Dev Colony, Panipat	15	25%		31.01.2023
18	Barsat Road, Panipat	25	10%		31.01.2023
	Total	382.5			

Details of proposed STPs in the State

Sr. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
Ghaggar Catchment				
1	Sector-32, Ambala Cantt.	5	Sewage is lifted to the existing 2 MLD STP of HSVP in Ambala.	31.12.2027
2	Naraingarh, Ambala	1	Sewage is lifted to the existing STP of PHED in Naraingarh.	31.12.2024
3	Pinjore, Panchkula	8	No discharge yet.	31.12.2027
4	Jind	5	The existing 10 MLD STP is sufficient.	31.12.2027

Sr. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
5	Hansi	5	Present discharge, though very little, is being treated in existing STP.	31.12.2027
6	Hisar	10	Sewage is lifted to the existing 15 MLD STP of HSVP in Hisar.	31.12.2024
7	Hisar	5	No discharge yet.	31.12.2026
	Total	39		
Yamuna Catchment				
1	Manesar and Naharpur Kasan, Gurugram	25	Under tendering process.	31.12.2022

IV. Details of Industrial Pollution:

Sr. No.	River stretch	No. of industries	Quantum of effluent generated (in MLD)	No. of industries having ETPs	No. of industries connected to CETPs
1	Yamuna	3505	121.11	3505	814
2	Ghaggar	212	5.2	212	28
	Total	3717	126.31	3717	842

- **Number and total capacity of CETPs (details of existing/ under construction / proposed)**

Sr. No.	River stretch	Existing CETPs		Under construction CETPs		Proposed CETPs	
		No.	Capacity (in MLD)	No.	Capacity (in MLD)	No.	Capacity (in MLD)
1	Yamuna	14	161.5	3	19	6	120.5
2	Ghaggar	4	6.1	2	3	0	0
3	Other Areas	1	22.5	0	0	0	0
	Total	19	190.1	5	22	6	120.5

- **Status of compliance and operation of the CETPs.**
Ghaggar Catchment

Town	No. of industries	Industrial Discharge (in MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Naraingarh	10	0.002	All units have Installed ETPs	0
Ambala	69	1.2		Existing – 2 CETP of 5.5 MLD capacity are complying as per latest A/Rs
Jind	No industry in catchment of river/drains of Ghaggar	0		Existing - 1 CETP of 0.1 MLD capacity is complying. Under construction -1 CETP of 1.5 MLD capacity.
Shahbad	4	0.001		0

Town	No. of industries	Industrial Discharge (in MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Pehowa	3	3.4		0
Kurukshetra	26	0.036		0
Kalka	8	0.01		0
Barwala	10	0.07		Existing- 1 CETP of 0.5 MLD capacity and the same is complying as per latest A/R
Panchkula	82	0.5		0
Sirsa	0	0		Under construction- 1 CETP of 1.5 MLD capacity.
Total	212	5.2		

Yamuna Catchment

Town	No. of industries	Industrial Discharge (In MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Jagadhri/ Yamunanagar	207	18.4	All units have Installed ETPs	Under construction- 1 CETP of 3 MLD capacity
Karnal	310	18.4		0
Panipat	286	24.3		Existing- 3 CETPs are all complying.
Sonepat	789	21.8		Existing- 4 CETPs of 25.2, all are complying. Under construction- 1 CETP of 6 capacity.
Rohtak	89	1.4		Existing- 2 CETPs of 13 (1 CETP of 3 MLD is under trial run and the other CETP of 10 MLD at IMT Rohtak is complying)
Jhajjar	311	5.4		Existing- 1 CETP of 12.5 MLD and the same is complying. Under Construction- 1 CETP of 10 MLD capacity
Gurugram	775	13.27		Existing- 2 CETPs of 55.2 MLD and are complying. Proposed- 3 CETPs of 30.5 MLD capacity.
Nuh	39	1.5		0
Palwal	76	7.7		0
Faridabad	592	8.94		Existing- 2 CETPs of 11.1 MLD are complying. Proposed- 3 CETPs of 90 capacity.
Total	3474	121.11		

The list is enclosed as under:-

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
River Yamuna					

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
1	IE Rai, Sonapat	5	HSI IDC	4756 dt. 08.04.2022	Complying
2	IE Barhi, Sonapat	16	HSI IDC	4346 dt. 15.03.2022	Complying
3	IE Kundli, Sonapat	4	HSI IDC	4755 dt. 08.04.2022	Complying
4	IE Murthal, Sonapat	0.2	HSI IDC	4344 dt. 15.03.2022	Complying
5	IMT Rohtak	10	HSI IDC	4774 dt. 08.04.2022	Complying
6	IE Kutana, Rohtak	3	HSI IDC	Under trial run	
7	IE Panipat Refinery Complex, Panipat	2.5	HSI IDC	Could not be functional, due to Non availability of sufficient effluent	
8	HSI IDC Sector 16-17, Bahadurgarh	12.5	HSI IDC	4781 dt. 08.04.2022	Complying
9	IMT faridabad	10.5	HSI IDC	4154 dt. 22.02.2022	Complying
10	IMT Manesar, Gurugram	55	HSI IDC	4429 dt. 21.03.2022	Complying
11	Sector-29, Unit-I, Panipat	21	HSVP	4725 dt. 06.04.2022	Complying
12	Sector-29, Unit-II, Panipat	21	HSVP	4724 dt. 06.04.2022	Complying
13	Faridabad Electroplaters Association	0.6	Private	3638 dt. 19.01.2022	Complying
14	Industrial Area, Sector- 37, Gurugram	0.2	Private	1179-1180 dt. 09.12.2021	Complying
River Ghaggar					
15	IE Barwala, Panchkula	0.5	HSI IDC	4048 dt. 15.02.2022	Complying
16	Ambala Cantt.	0.5	HSI IDC	4311 dt. 10.03.2022	Complying
17	Saha, Ambala	5	HSI IDC	4560 dt. 25.03.2022	Complying
18	I. E. Jind	0.1	HSI IDC	4700 dt. 31.03.2022	Complying
Other areas					
19	IMT Bawal, Rewari	22.5	HSI IDC	4787 dt. 08.04.2022	Complying
Total capacity		190.1			

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population.**

There are 93 Municipalities in the State out of which MC, Manesar, Mandi Adampur, Badhda, Seewan have been recently notified as Municipalities. As

per data submitted by ULBD, Solid Waste Management 5600 TPD is daily generation of Municipal Solid Waste and the population of all Municipalities is 1,02,99,000 as per Census 2011.

- **Current Municipal Solid Waste Generation.**

As per data submitted by ULBD, Solid Waste Management 5600 TPD is daily generation. following brief status regarding management of Solid Waste in ULBs is as under:-

SWM Activities in State	Quantity
Total No. of Wards	1642
Quantity of Solid Waste	5600 TPD
No. of wards with 100% Door to Door Collection	1625
No. of wards where segregation is initiated	1558
Quantity of Wet waste	3048 TPD
Quantity of dry waste	2285 TPD
Quantity of wet waste being processed	1950 TPD
Quantity of dry waste being processed	1775 TPD
No. of vehicles for D2D collection	4280
No. of vehicle with Compartment	3056
No. of vehicles with GPS	2969
No. of GVPs Identified	851
No. of BWG identified	2022
No. of BWG processing on site	1312
No. of Solid Waste Challan collected in last three months	Total 1550 challan of amounting Rs. 22,07,050/-
No. of Plastic Waste Challan collected in last three months	Total 1840 challan of amounting Rs. 19,03,750

As per report submitted by ULBD, there are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (175 TPD), Karnal (150 TPD) & Sirsa (25 TPD). Apart from the above, two Bio-Methanation plants are operational in Faridabad (5TPD) & Karnal (10 TPD). One no Bio-Gas plant of capacity 60 TPD is operational in Ambala.

Further, there Are 3125 no of compost pits having the capacity approx. 3500 TPD for processing of wet waste and horticulture waste in various MCs. In addition, approx.11208 household pits have been constructed to encourage the households for home composting in Ambala Sadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula & Rohtak.

For processing of dry waste 97 Material Recovery Facilities (MRF) has also been constructed various Municipalities.

Work of Waste to Energy Plant (2300 TPD) in Gurugram-Faridabad is also under implementation.

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.**

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two Bio-Methanation plants are operational in Faridabad (5TPD) & Karnal (10 TPD). One no Bio-Gas plant of capacity 60 TPD is operational in Ambala.

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Further, Waste to Energy Plant at ISWM Sonapat-Panipat Cluster of 700 TPD capacity has been commissioned on 16.08.2021. Approximate 8 MW electricity is being generated in this plant.

- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

Integrated Centralized Waste Processing Approach (Cluster Wise) is being adopted as a long-term approach, with an overall objective to setup regional Waste to Energy, Waste to Compost + RDF processing facilities and Secured Sanitary landfills for scientific disposal of Solid Waste. This approach is more coveted considering the constraints posed by the decentralized approach and its sustainability over long run.

As part of this approach, total 13 Clusters have been formed covering all the 93 ULBs of Haryana. Also, under this approach the projects will be set up on PPP mode and single agency/concessionaire will be responsible for Door to Door Collection, transportation, processing and disposal of Solid Waste for a concession period of 22 years.

Currently 2 Waste to Energy Cluster Projects namely Sonapat-Panipat and Gurugram-Faridabad have been awarded and construction of Sonapat-Panipat Cluster (700 TPD) Waste to Energy project has been commissioned on 16.08.2021. The Environmental Clearance of Gurugram-Faridabad (2300 TPD) Waste to Energy Projects has been granted. The construction of the plant is likely to start soon. Once commissioned these two projects alone will cater to 12 approx. 40% processing of entire waste being generated in the state.

Remaining eleven (11) clusters are Open Technology Clusters. The details of 13 clusters are attached at **Annexure-4**.

- **Bioremediation of legacy waste lying at existing dump sites.**

Approximate 71.68 Lakh Metric Ton of legacy waste was lying at the dumping sites in Municipalities, out of which 67.64 lakh M.T. i.e. 94% of total quantity of the legacy waste is lying at 29 dumpsites in the State which also includes 33 lakh MT legacy waste at Bandhwari, Gurugram. The bio-remediation works at these 29 sites have been allotted to contractual agencies. Out of which work has been started at 23 sites and will be started very soon at other 06 sites. The remaining 4.04 lakh MT legacy waste is very small fractions of quantity lying at 47 dumpsites which will be also processed by adopting suitable technology. The detail of the same is as under:-

Status of bioremediation of legacy waste in the Municipalities of State of Haryana

Sr. No.	Name of MC	Estimated Quantity of legacy waste (In Lakh MT)	Estimated Cost as per agreement (in Crore)	Status of work	Quantity of waste processed upto 15.08.2021 (in MT)
1	Gurugram	33	--	Work in progress	1020158
2	Rohtak	5.2	25.67	work in Progress	435000
3	Ambala	6	35.73	Work in Progress	354957
4	Panchkula	3.96	37.5	Work in Progress	127556
5	Bahadurgarh	3.2	19.88	Work in Progress	83842
6	Narnaul	0.59	4.7	Work in Progress	59000
7	Kaithal	0.8	5.56	Work in Progress	60000
8	Gohana	0.42	2.68	Work in Progress	32532
9	Sirsa	0.45	3.44	Work in Progress	44530
10	Panipat	5	27.73	Work in Progress	68500
11	Palwal	0.21	1.26	Work in Progress	18000
12	Meham	0.14	1.11	Work in Progress	8424
13	Yamunanagar	1.27	9.31	Work in Progress	57500
14	Fatehabad	0.47	3.24	Work in Progress	42011
15	Gannaur	0.25	1.59	Work in Progress	23500
16	Rewari	0.6	4.02	Work in Progress	36000
17	Assandh	0.15	0.88	Work in Progress	13400
18	Cheeka	0.18	1.01	Work in Progress	8000
19	MandiDabwali	0.31	2.28	Work in Progress	8400
20	Jind	1	6.78	Work in Progress	20000
21	Kharkhoda	0.24	1.53	Work in Progress	4000
22	Nissing	0.15	0.94	Work in Progress	13800
23	Taraori	0.09	0.58	Work in Progress	2148.38
24	Gharaunda	0.2	1.23	Machinery under Installation	0
25	Bhiwani	1.15	8.15	Machinery under Installation	0
26	Nilokheri	0.11	0.69	Machinery under Installation	0
27	CharkhiDadri	0.25	2.1	Machinery under Installation	0
28	Hisar	1.3	12.35	Machinery under Installation	0
29	Karnal	0.95	5.84	Machinery under Installation	0
	Total	67.64	227.78	Total	24,81,258.38 say 24.81 Lakh MT

Approximate 24.81 lakh metric tonnes (36.67%) of legacy waste has already been processed in the above mentioned Municipalities. MCs mentioned at Sr. No. 24-29 above where zero quantity of legacy waste is shown as processed is due to the recent award/finalization of the contracts or due to some technical difficulties such as mobilization & installation of machinery, arrangement of labour etc. being faced by the concerned municipalities. However, the requisite machineries are now under installation at these dumpsites and the waste processing shall be started very soon.

The State Government has approved allocation of funds amounting to Rs. 262.67 Crore for the above mentioned municipalities. The 1st installment of Rs.44.59 Crore has been released by the State Government to the Urban Local Bodies Department to implement the necessary measures for this purpose.

- **No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)**

Presently Municipal Corporation, Gurugram has established a 300 TPD Construction and Demolition Waste processing plant at Village Basai and the capacity of the plant will be increased to 1500 TPD shortly. MC Gurugram has signed agreements with two private contractors to collect and transport the C&D waste from the household's level to the designated C&D waste Plant.

Further, the concessionaire for establishment of 300 TPD C&D waste management plant in Faridabad on PPP mode has also been finalized and agreement has also been signed between concessionaire and Municipal Corporation, Faridabad. The plant is likely to be commissioned by November 2022. As per the terms & conditions of agreement, the agency will start the processing of C&D waste at tie up plant Ghaziabad within 2 months till the commissioning of its plant in Faridabad.

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source**

As per report submitted by ULBD, there are total 1642 wards in MCs of Haryana out of which 1625 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated 1558 wards.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology).**

Detail is attached at **Annexure-4**.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.**

The detail of dumpsites attached at **Annexure-5**.

- **No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers.**

No such data is available at present.

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers**

The drains of MCs don't falls directly into the rivers. They ultimately join the drains of irrigation and the drains of irrigation falls into the rivers. The MCs are installing the wire mesh in the drains to prevent the solid waste from falling into the drains. At present approximate 387 small drains have been provisioned with wire mesh screens.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
93	5600	3725	1. Municipal Corporation Sonapat (Waste to Energy Plant)- 700 TPD 2. Municipal Corporation, Karnal (Waste to Compost Plant)- Capacity 150 TPD. 3. Municipal Corporation, Rohtak (Waste to Compost Plant)- Capacity 175 TPD. 4. Municipal Council, Sirsa (Waste to Compost Plant)- Capacity 50 TPD. 5. Municipal Corporation Karnal (Bio-methanation Plant)- Capacity 10 TPD 6. IOCL, Faridabad (Bio-methanation Plant)- Capacity 5 TPD 7. Suntan Biogas Plant, Ambala- Capacity 60 TPD 8. Total no. of compost pits for wet waste and horticulture processing - 3125 having the capacity approx. 3500 TPD. 9. Total 97 MRF are established in ULBs having the capacity approx. 2273 TPD	Total Utilization of the existing capacity of the processing facilities: 3725 TPD as mentioned below: 1. Municipal Corporation Sonapat (Waste to Energy)- 700 TPD 2. Karnal, (Waste to Compost)- 150 TPD 3. Municipal Corporation Rohtak (Waste to Compost)- 175 TPD 4. Municipal Council Sirsa (Waste to Compost)- 25 TPD 5. Municipal Corporation Karnal (Bio-methanation)- 10 TPD 6. IOCL Faridabad- 5 TPD 7. Suntan Biogas Plant, Ambala- 60 TPD 8. Compost Pits- Approx. 1280 TPD 9. MRF- 1320 TPD	Integrated Solid Waste Management Projects are likely to be completed upto December 2023.

VI. Bio-medical Waste Management:

- Total Bio-medical generation:**

As per the annual report for 2020, total 19217 kg/day Bio Medical Waste generated in State of Haryana.

- No. of Hospitals and Health Care Facilities:**

As per the annual report for 2020 there are 6320 no. of HCFs in State of Haryana.

- Status of Treatment Facility/ CBMWTF:**

As per the annual report for 2020 there are 11 no. of authorized CBWTFs/Treatment facilities in State of Haryana

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:** 220987.09 tons

- No. of Industries generating Hazardous waste-** 4849

- Treatment Capacity of all TSDFs**

Incinerator (Kcal) - 2.5 Million.

Landfill (MTA) – 32 years

- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated**

Hazardous waste reaching TFDFs		Hazardous waste treated	
Landfill	-14372 MT	Landfill	-14372 MT

Hazardous waste reaching TFDFs	Hazardous waste treated
Incineration – 15150.8 MT	Quantity Incinerated – 0

- **Details of on-going or proposed TSDF-** Details given at **Annexure-6**

VIII. Plastic Waste Management:

- **Total Plastic Waste generation:**
As per the annual report 2020 of PWM Approximate 507.30 TPD.
- **Treatment/ Measures adopted for reduction or management of plastic waste:**
At present plastic waste is being channelized through MRF centres established in MCs.

IX. Details of Alternate Treatment Technology being adopted by the State/UT

The Nodal Department for execution of Bio/Phyto- Remediation identified. The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation wherever feasible.

ULB Department has started bio/phyto remediation works in the drains in Municipal Corporation, Yamuna Nagar – Jagadhri, as a pilot project, which will be replicated at other places. Municipal Corporation of Sonapat has also invited tenders for the bio/phyto remediation of drains. Similarly, Municipal Corporations of Gurugram and Faridabad are in the process of preparing the proposals for bio/phyto remediation. Municipal Corporation of Panipat has already floated the tenders for the process in their jurisdiction. GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB. PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

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

There are locations where the untreated/partially treated effluent is joining the main drains discharging into rivers. The action plans for control of pollution at these points is required to be submitted by Concerned Departments.

River Ghaggar

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted Time Bound action plan	Action plan not required/completed
PHED	50	24	3	0	23
D&P	137	68	1	0	68
HSVP	12	1	4	0	7
ULBD	43	13	0	0	30

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted Time Bound action plan	Action plan not required/completed
HSI IDC	2	0	0	0	2
HP State	1	0	1	0	0
Housing board	1	0	1	0	0
HSPCB	5	0	1	0	4
Forest Deptt.	1	0	1	0	0
UT-CHD	2	0	2	0	0
	254	106	14	0	134

River Yamuna

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted time bound	Action plan not required/completed
ULBD	62	51	0	0	11
D&P	23	2	0	0	21
HSPCB	17	0	7	0	10
PHED	14	1	0	0	13
Industry Deptt.	1	0	1	0	0
HSVP	3	0	0	0	3
Haryana Roadways	3	0	3	0	0
HSI IDC	2	0	0	0	2
Total	125	54	11	0	60

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

Member Secretary, Haryana State Pollution Control Board.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

Regular CS meetings are being held to review the progress of Yamuna and Ghaggar Action Plans. 9 Meetings held so far on 05.02.2020, 13.03.2020, 22.06.2020 17.07.2020, 06.08.2020, 08.09.2020, 08.12.2020 and 12.02.2021, 02.08.2021.

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.

Ghaggar

(a) Water quality and flow of major drains joining river Ghaggar

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F. Coli
1	Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab. (PKL-RDQ-023)	30.642798, 76.874462	8.5	1.8	1000
2	MDC drain before entering into Punjab area near Raipur Kalan Temple carrying effluent of colonies of Haryana, Chandigarh, U.T (PKL-RDQ-033)	30.680110, 76.821592	22.5	760	4300

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F. Coli
3	Singh Nallah choe before entring punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038)	30.664066, 76.843880	35	260	3300
4	Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008)	30.388012, 76.790604	28.65	80	3200
5	Ghail drain at Samaspur, Ambala (AMB-RDQ-011)	30.333736, 76.667902	15.91	14	1200
6	Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002)	Longitude 76026.218' and Latitude 30005.025'	97.8	43	120000
7	Cheeka Drain/Old Ghaggar Creek (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	4.89	38	110000
8	Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011)	Longitude 76011.249' and Latitude 29052.976'	14.67	45	130000
9	Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76006.831' and Latitude 29050.731') KTL-RDQ-015	Longitude 76006.831' and Latitude 29050.731'	18	42	86000
10	Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894) HSR-RDQ-006	Longitude 29.711468 and Latitude 75.551894	4	9.2	560
11	Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002)	29.787241, 75.827388	3	9.8	520
12	Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018)	29.489644, 74.741455	0.05	9.2	1200

(b) Water quality and flow of river Ghaggar

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
1	Ghaggar River at Haryana Himachal Border (Ghaggar River at Morni) (PKL-RDQ-014)	30.742182/ 76.742182	212	6.8	900
2	Ghaggar before meeting Kaushlaya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015)	30.639975/ 76.872849	373	5.6	800
3	Ghaggar River D/S after meeting Kaushalya River (NWMP-Station	30.740980, 76.909826	428	27	110000

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
	Code- 1885) (PKL-RDQ-017)				
4	U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-022)	30.613894/ 76.836044	456.5	4.8	1300
5	D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024)	30.642798, 76.874462	465	26	1300
6	Ghaggar River before meeting Ambala Drain (AMB-RDQ-007)	30.402314, 76.743059	53.9	6	600
7	Ghaggar River after meeting Ambala Drain (AMB-RDQ-009)	30.398033, 30.398033	82.55	10	1100
8	Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB-RDQ-010)	29.71135/ 75.552123	82.55	5.6	500
9	Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) (AMB-RDQ-012)	30.332689, 76.668607	98.46	13	1100
10	Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76025.974' and Latitude 30007.695') (KTL-RDQ-001)	Longitude 76025.974' and Latitude 30007.695'	122.26	43	150000
11	Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76022.571' and Latitude 30005.410') (KTL-RDQ-003)	Longitude 76022.571' and Latitude 30005.410'	220.06	43	120000
12	Ghaggar River before mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-007)	Longitude 76.232452' and Latitude 30.064188'	220.06	35	110000
13	Ghaggar River after mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	224.9	38	110000
14	Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76010.173' and Latitude 29054.305') (KTL-RDQ-010)	Longitude 76010.173' and Latitude 29054.305'	0	38	94000
15	Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76010.135' and Latitude 29053.548') (KTL-RDQ-012)	Longitude 76010.135' and Latitude 29053.548')	14.67	44	82000
16	River Ghaggar before mixing Kaithal drain at Khanauri.	Longitude 75000.061'	0	39	130000

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
	(Longitude 75000.061' and Latitude 29050.754') (KTL-RDQ-013)	and Latitude 29050.754'			
17	River Ghaggar after mixing Kaithal Drain into River Ghaggar. (Longitude 76006.663' and Latitude 29050.723') (KTL-RDQ-018)	Longitude 76006.663' and Latitude 29050.723'	18	41	82000
18	River Ghaggar before meeting discharge of Ratia. (HSR-RDQ-005)	29.693333, 75.580474	478	32	90000
19	River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007)	29.716549, 75.549705	482	28	72000
20	River Ghaggar before meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-001)	29.786392, 75.826893	724	37	110000
21	River Ghaggar after meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-003)	29.786392, 75.826893	727	28	68000
22	River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017)	29.457123, 74.677554	0	39	68000
23	River Ghaggar after discharged of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019)	29.489821, 74.746049	2	25	62000

(C) Ground water quality status in the vicinity of river Ghaggar.

Ground water quality is being monitored at 78 locations in the catchment of river Ghaggar by HSPCB. Out of total 78 locations, ground water is found fit for drinking at 32 locations and non complying at 46 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

Sr. No.	Region	No. of points monitored	Complying	Non-complying
1	Panchkula	7	7	0
2	Ambala	7	7	0
3	Jind	2	0	2
4	Kaithal	15	4	11
5	Kurukshetra	1	1	0
6	Hisar	5	0	5
7	Sirsa	23	10	13
8	Fatehabad	18	3	15
Total		78	32	46

River Yamuna

(a) Water Quality and flow of drains joining river Yamuna

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F.Coli
1	Dhanaura Escape before meeting River Yamuna, Village Jarauli, Karnal (KRN-RDQ-002)	29.73336, 77.12788	102	12	700
2	Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008)	29.280218, 77.120858	24.4	92	2600
3	Drain no. 6 before entry in Delhi (SNP-RDQ-001)	28.890391, 77.109702	14.68	96	2000
4	Entry point of Mungeshpur drain in Delhi Territory, back side of Sainik School, Bypass, Bahadurgarh, Distt. Jhajjar (BDH-RDQ-001)	28.669716, 76.949466	615	39	82000
5	Entry point of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt. Jhajjar (BDH-RDQ-002)	28.650667, 76.937005	500	41	120000
6	Entry point of Drain No. 8 in Delhi Territory, Near Dhansa Store of Executive Engineer, Irrigation & Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt. Jhajjar (BDH-RDQ-003)	28.535362, 76.869600	119.89	34	65000
7	Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002)	28.531019, 77.001858	6.05	24	7200
8	Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005)	28.508322, 76.975010	44.14	21	5200
9	Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008)	28.484470, 76.953334	219.92	25	7200
10	Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010)	28.382511, 77.481014	922	104	13000
11	Gaunchi Drain before River Yamuna, Palwal (PWL-RDQ-005)	27.914783, 77.517323	918	25	26000

(b) Water Quality and flow of river Yamuna

Sr. No.	Drains meeting with river Yamuna	latitude/ Longitude	Flow (in Cusecs)	BOD (mg/l)	F.Coli
1	River Yamuna before meeting Maskara Nallah, upstream, Kalanaur (YMN-RDQ-001)	29.726992/ 77.13079	330	4.6	200
2	River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-	30.068276, 77.348271	352	6.2	500

Sr. No.	Drains meeting with river Yamuna	latitude/ Longitude	Flow (in Cusecs)	BOD (mg/l)	F.Coli
	RDQ-003)				
3	River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001)	29.73327/77.1277	352	4.2	200
4	River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003)	29.72592 and 77.13278	383	7.5	400
5	River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli (PNP-RDQ-007)		7022	3.5	100
6	River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009)	28.86158/ 77.206427	7032	4.6	100
7	River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002)	28.884931, 77.147185	450	8	100
8	River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004)	28.379079/ 77.486982	490	4.2	BDL
9	Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009)	28.384703, 77.489578	3732	29	15000
10	Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011)	28.372917, 77.487966	3770	32	19000
11	River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004)	27.914783, 77.517323	3720	23	13000
12	River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006)	27.909736, 77.521114	3753.21	29	13000

(C) Ground water quality status in the vicinity of river Yamuna.

Ground water quality is being monitored at 76 locations in the catchment of river Yamuna by HSPCB. Out of total 76 locations, ground water is found fit for drinking at 50 locations and non complying at 26 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

Sr. No.	Region	No. of Points monitored	Complying	Non-Complying
1	Panipat	9	6	3
2	Faridabad	8	8	0
3	Ballabgarh	6	1	5
4	Palwal	8	2	6
5	Gurgaon South	10	10	0
6	Gurgaon North	8	8	0
7	Karnal	5	5	0

Sr. No.	Region	No. of Points monitored	Complying	Non-Complying
8	Yamuna Nagar	3	3	0
9	Nuh	1	0	1
10	Sonepat	11	6	5
11	Bahadurgarh	7	1	6
	Total	76	50	26

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA/HWRA for extraction of ground water.

XV. Good irrigation practices being adopted by the State:

The major demand for river water is for Irrigation purposes and accordingly the State of Haryana has taken initiatives for water efficient farming practices which are given as under:-

(a) Project of Recycle and Ruse of Treated Wastewater for Irrigation Purpose

The State is in the process to set up system to reuse the treated sewage. The Irrigation Department has submitted the progress report regarding projects of utilization of treated sewage of STPs. The details are as under:-

- The Govt. has accorded approval to the consolidated project (Ghaggar and Yamuna Action Plan) on 04.01.2020 for Rs. 1098.25 Crore.
- 35 STPs (20 in Yamuna and 15 in Ghaggar) have been selected for installing micro irrigation system with combined treatment capacity of 338.85 MLD and a project has been sanctioned by Govt. of India namely "STP Micro Irrigation Project under NABARD assisted Micro Irrigation Fund" for Rs. 490 Crores and shall be completed by 2023-24.
- The Administrative Approval of 28 STPs has been accorded by the Govt.
- Tenders for around 21 STPs have been floated and tenders for 11 STPs have been approved. Work of these STPs is likely to be started shortly. Estimate of remaining STPs is under process and tender will be called soon.
- Regarding remaining STPs, the five years action plan will be prepared soon.

The list of projects in 35 STPs is given as under:-

Sr. No.	Name of District	Name of STP	Capacity of STP (in MLD)	Treatment technology
1	Ambala	Barara	6	MBBR
2	Ambala	Naraingarh	5	MBBR
3	Hisar	Hansi	12.5	MBBR
4	Hisar	Hisar sec-3	10	MBBR
5	Jind	Narwana	5	MBBR
6	Kaithal	Gulha	10	SBR
7	Kaithal	Kaithal	10	SBR
8	Fatehabad	Fatehabad	10	MBBR
9	Fatehabad	Tohana	10	MBBR

Sr. No.	Name of District	Name of STP	Capacity of STP (in MLD)	Treatment technology
10	Fatehabad	Jakhal	3	SBR
11	Fatehabad	Ratia	6.5	MBBR
12	Panchkula	Kalka	4.75	MBBR
13	Panchkula	Pinjor	5	MBBR
14	Sirsa	Sirsa	15	SBR
15	Panipat	Panipat	25	SBR
16	Charkhi Dadri	Charkhi Dadri	5	MBBR
17	Bhiwani	Badra	10	MBBR
18	Gurugram	Behrampur	60	MBBR
19	Jhajjar	Jhajjar	6.5	MBBR
20	Jhajjar	Salhwas	5	MBBR
21	Rewari	Rewari	6.5	MBBR
22	Rewari	Rewari	8	MBBR with Dual Mode Filter
23	Mahendargarh	Nangal Chaudhary	6.5	MBBR
24	Mahendargarh	Narnaul	7.5	MBBR
25	Rohtak	Rohtak	10	MBBR
26	Bhiwani	Kairu	10	MBBR
27	Jind	Jind	15	MBBR
28	Karnal	Karnal	10	MBBR
29	Karnal	Karnal	8	MBBR
30	Yamuna Nagar	Radaur	3.5	MBBR
31	Faridabad	Ballabgarh	18	MBBR
32	Mewat	Punhana	4.5	MBBR
33	Mewat	Nuh	3.6	MBBR
34	Palwal	Hathin	4.5	MBBR
35	Sonapat	Sector-23	10	MBBR
	TOTAL		338.85	

(b) Installation of community based solar/grid powered micro-irrigation infrastructure in existing canal commands

Six communities based solar/grid powered micro-irrigation facilities have been installed for Irrigation of 768 hectare land.

In order to implement project of Micro Irrigation (MI) speedily, Government has decided to adopt bottom up approach i.e. 100% consent of stakeholders (farmers) for adoption of MI system shall be taken before execution of the project. The farmers or group of farmers who come forward with the chak of minimum 25 acres to adopt micro irrigation in their fields and also give consent to provide land free of cost for construction of tank for storage of water as per requirement of the chak for micro irrigation activity, Government shall provide all infrastructures like: laying of pipelines, construction of storage tanks, solar pumps etc free of cost & 95% subsidy shall be provided to on-farm drip and sprinkler micro irrigation components. The web portal for online application of farmers has also been launched.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

All the construction activities are banned on river Yamuna/Ghaggar Flood Plains and no encroachment on river Yamuna is allowed as per section 45 of Haryana Canal and Drainage Act, 1974. However, if any encroachment exists on river Yamuna/Ghaggar is immediately removed in accordance of this Act.

XVII. Maintaining minimum e-flow of river:**River Ghaggar**

It is brought out that Ghaggar River is not a perennial river and discharge varies from zero to maximum during flood seasons. Around 15-20% of the lowest possible discharge in the lean season is required for maintaining E- flow. In our case the discharge varies from zero to maximum so maintaining E-flow is not possible. However, the monthly flow of all the major drains joining river Ghaggar is being measured regularly on monthly basis.

River Yamuna

It has been reported by the Irrigation and Water Resources Department, Haryana that as per MoU dated 12.05.1994 signed among the States of UP, Haryana, Rajasthan, Himachal Pradesh & NCT of Delhi, a minimum discharge of 352 cusec water is released in Yamuna river from Hathnikund barrage at lean period also to maintain the E-flow of river which was in accordance with the guidelines of Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India in compliance of the order of Hon'ble NGT dated 11.06.2015. However, in case excess discharge is received at HKB (in monsoon seasons) in comparison to capacity of channel, then this excess discharge is released into river Yamuna through Somb Nadi and the indented supply is released in the channel.

XVIII. Plantation activities along the rivers:**River Ghaggar****Urban Estate Wise Plantation Done in HSVP Area**

Sr. No.	Name of U/E	Plantation done in the Year 2018-19	Plantation Done in Year 2019-20	Plantation Done in Year 2020-21
1	Panchkula	5000	7820	3993
2	Ambala	1500	3626	3344
3	Pehowa	0	0	0
4	Naraingarh	0	0	0
5	Kurukshetra	2000	3472	1870
6	MTS Gulha	0	0	0
7	MTS Pundri	0	0	0
8	Kaithal	1000	3160	1880
		9500	18078	11087

Plantation done in catchment of River Ghaggar by Forest Department in 2021-22

Forest Department has selected around 79 villages in the catchment areas of river Ghaggar and has proposed to plant around 6 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

Sr. No.	Name of District	No. of village	No. of plants to be planted	No. of plants planted till date
1	Panchkula	11	331596	330466
2	Ambala	11	138146	138146
3	Kaithal	6	13200	3050
4	Fatehabad	34	58295	58295
5	Sirsa	17	199450	70860
Total		79	740687	600817

River Yamuna

Urban Estate Wise Plantation Done in HSVP Area

Sr. No.	Name of U/E	Plantation Done in Year 2018-19	Plantation Done in Year 2019- 20	Plantation Done in Year 2020- 21
1	Jagadhri / Yamunagar	500	1178	1347
2	Shahabad	0	0	0
3	Karnal	5000	2810	4900
4	Faridabad	14300	22490	14900
5	Palwal	100	300	360
6	Rojka Meo	500	100	64
		20400	26878	21571

Plantation done in catchment of river Yamuna by Forest Department in 2021-22.

Forest Department has selected around 188 villages in the catchment areas of river Yamuna and has proposed to plant around 1.4 Cr. plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

Sr. No.	Name of District	No. of village	No. of plants to be planted	No. of plants planted till date
1	Yamuna Nagar	124	1245145	1245145
2	Karnal	19	8500	8500
3	Panipat	16	67948	67948
4	Sonepat	19	26500	22839
5	Faridabad	4	36500	46000
6	Palwal	6	12058	12058
Total		188	1396651	14025490

XIX. Development of biodiversity park:

River Ghaggar

District	Name	Areas in Acre.
Panchkula	i) World Herbal Forest, Morni	12500
	ii) Kapoor Vatika at Mallah	25
	iii) Thapli Herbal Park at Village Thapli	10
	iv) Tikka-Tal Herbal Park	20
Fatehabad	i) Mulethi Vatika at Gilakhera	14
	ii) Er. Kanwar Sain Gupta Herbal Park at Tohana	25
Sirsa	i) Bahera Vatika at Village Fulkan Village	17

District	Name	Areas in Acre.
Total		12611

River Yamuna

District	Names	Area in Acre
Yamuna Nagar	i) Rudraksh Vatika at village Chuaharpur	184
	ii) Adi Badri Herbal Park	10
Karnal	i) Ashok Vatika at Gharaunda	5
	ii) Indri Herbal Park	10
Panipat	i) Bilva Vatika at Pati Kalyana Village	14
Sonipat	ii) Amaltas Vatika Pati Kalyana Village	8
	ii) Khanpur Kalan Herbal Park	12
Faridabad	i) Ratanjot Vatika at Gurugram Canal at Faridabad	10
Palwal		0
Total		253

XX. Reuse of Treated Water:

The State is in the process to set up system to reuse the treated sewage. Details are given in point XV (a).

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

Both Ghaggar and Yamuna river stretches.

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

NA

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

Action taken report in compliance with the Environment & Monitoring Guidelines for Sand Mining Policy, 2020.

District	Period	Vehicle seized in illegal mining/illegal transportation of mineral	Vehicle released	Penalty imposed	Complaint lodged against illegal minors	FIR lodged against illegal minors
Panchkula, Ambala, Yamuna Nagar, Kurukshetra/Kaithal, Panipat/Karnal, Sonapat, Faridabad/Palwal	Mar'22	53	29	31,26,614	54	49

Name of District	Period	Details of regulation of mining activities	Violation identified	Action taken	Remarks
PKL	Mar,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges	Nil	Nil	Mining activities running.

Name of District	Period	Details of regulation of mining activities	Violation identified	Action taken	Remarks
		installed at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.			
Ambala	Mar,22	1. Regulation checking for day and night as well as surprised checking. 2. Mineral transportation with e-rawana 3. MDL is mandatory for sale and purchase of mineral by screening plant.	Yes	Fine imposed or FIR lodged against persons involved in illegal mining/transportation of illegal mineral	Illegal mining operation is closed since 01.07.2020 but some periodic cases of illegal mining by local villagers were also noticed/found and action has been taken against them, by Mining Department.
Yamuna Nagar	Mar,22	1. Weight Bridges installed at every lease. 2. CCTV installed at entry and exit point. 3. Dispatch of mineral with e-rawana. 4. Regular checking of by contract area of field staff.	Nil	Nil	Nil
PNP/KNL	Mar,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges installed at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Nil	Nil	Mining activities in Village Pir Baduli & Faridpur by Unit no. 4, Karnal. The representative of contractor was asked verbally to labelled serial no. on each and every boundary pillars.

Name of District	Period	Details of regulation of mining activities	Violation identified	Action taken	Remarks
SNP	Mar,22	1. Boundary Pillars are installed surrounded the contract area.	Nil	Nil	Mining activities in village Tikola, vy M/s Yodha mines.
		2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Boundary pillars are not installed properly as well as depth violation.	Show cause notice issued.	

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

Action by HSPCB

✓ **Ghaggar**

- No. of industries inspected - 242
- No. of closure order issued against violating units - 214
- No. of violating units prosecuted - 64
- No. of violating units against whom EC imposed - 42
- Amount of EC Imposed - 7.8 Crore

▪ **Yamuna**

- No. of industries inspected - 1312
- No. of closure order issued against violating units - 945
- No. of violating units prosecuted - 267
- No. of violating units against whom EC imposed - 191
- Amount of EC Imposed - 84.55 Crore

Annexure-1

Status of existing STPs in the catchment of river Ghaggar

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Ambala					
1	3.00 MLD STP Naya Gaon , Unit.I , Ambala City by PHED in Janurary, 2011	PHED	3	31.03.2022	Non-Complying
2	3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016	PHED	3.25	31.03.2022	Non-Complying
3	5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012	PHED	5	29.03.2022	Non-Complying
4	3.25 Baldev Nagar , Unit.II ,Ambala City by PHED in 1.4.2016	PHED	3.25	29.03.2022	Non-Complying
5	5 MLD Moti Nagar, Unit.I , Ambala City by PHED in June 2010	PHED	5	31.03.2022	Non-Complying
6	5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016	PHED	5	31.03.2022	Non-Complying
7	6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012	PHED	6	31.03.2022	Non-Complying
8	3.25 Nasirpur Ambala City by PHED in 31.9.2016	PHED	3.25	31.03.2022	Non-Complying
9	0.25 MLD Sadopur , Ambala PHED in 31.12.2016	PHED	0.25	31.03.2022	Complying
10	3.00 MLD Devi Nagar , Ambala City by PHED on 31.5.2013	PHED	3	31.03.2022	Non-Complying
11	3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014	PHED	3	29.03.2022	Non-Complying
12	2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	HSVP	2	31.03.2022	Complying
13	5 MLD STP Ambala by HSVP		5		Complying
Kurukshetra					
14	25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	PHED	25	21.03.2022	Complying
15	8 MLD STP Model Town, Pehowa Kurukshetra by PHED in May dt. 2015	PHED	8	10.03.2022	Complying except Faecal Coliform
16	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016	PHED	11.5	22.03.2022	Complying
17	15 MLD STP Kurukshetra by HSVP	HSVP	15	22.03.2022	Complying
Panchkula					
18	4.5 MLD Kalka Panchkula by PHED in 30.3.2015	PHED	4.5	08.03.2022	Non-Complying
19	0.25 MLD Kalka Panchkula by PHED in 28.5. 2017	PHED	0.25	08.03.2022	Complying except Faecal Coliform
20	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	PHED	5	08.03.2022	Complying
21	18 MLD STP Panchkula by HUDA in 31.12.2002	HSVP	18	09.03.2022	Complying except Faecal Coliform
22	39 MLD STP Panchkula by HUDA in Nov. 2011	HSVP	39	09.03.2022	Complying
23	15 MLD STP Sector- 28, Panchkula by HUDA in 2012	HSVP	15	09.03.2022	Complying except Faecal Coliform

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
24	9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	GE	9	08.03.2022	Complying
Jind					
25	15 MLD STP by PHED Jind in Jan, 2009	PHED	15	25.03.2022	Complying
26	3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011	PHED	3.5	31.03.2022	Non-Complying
27	3.75 MLD STP Narwana Jind by PHED in Jan , 2011	PHED	3.75	31.03.2022	Non-Complying
28	02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017)	PHED	2	31.03.2022	Non-Complying
29	2 MLD STP Uchana Jind by PHED in 22.2.2012	PHED	2	31.03.2022	Non-Complying
30	1.5 MLD Uchana by PHED in 31.5.2013	PHED	1.5	31.03.2022	Non-Complying
31	5 MLD STP Jind by PHED in 1.4.2016	PHED	5	25.03.2022	Complying except Faecal Coliform
32	7 MLD STP, Jind by PHED in 30.11.2019	PHED	7	25.03.2022	Complying
33	9 MLD STP Safidon , Jind by PHED in 31.05.2018	PHED	9	25.03.2022	Complying
34	10 MLD by HUDA Jind in 27.12.2014	HSVP	10	25.03.2022	Complying
Kaithal					
35	10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013	PHED	10	29.03.2022	Complying
36	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	PHED	10	29.03.2022	Complying except Faecal Coliform
37	10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR)	PHED	10	29.03.2022	Complying except Faecal Coliform
38	10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR)	PHED	10	29.03.2022	Complying except Faecal Coliform
39	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	PHED	5	29.03.2022	Complying except Faecal Coliform
40	3.5 Pundri Kaithal by PHED in 4.7.2014	PHED	3.5	29.03.2022	Complying except Faecal Coliform
41	7.5 MLD Kaithal by HUDA in 31.8.2016	HSVP	7.5	29.03.2022	Complying except Faecal Coliform
Hisar					
42	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	PHED	15	01.03.2022	Complying
43	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	PHED	40	01.03.2022	Complying
44	4 MLD STP Narnaund, Hisar by PHED	PHED	4	01.03.2022	Complying
45	4 MLD STP Kaimri Road, Hisar by PHED in 2018	PHED	4	01.03.2022	Non-Complying
46	15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014	HSVP	15	01.03.2022	Complying
47	8 MLD STP Village Dabra by ULBD	ULBD	8		Complying
Sirsa					

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
48	15 MLD STP, Shamsabad patti , Kalania Road, Sirsa by PHED in 1.7.2012	PHED	15	04.03.2022	Complying
49	5 MLD STP, Vill. Nattar 1 , Sirsa by PHED in 1.5.2013	PHED	5	04.03.2022	Non-Complying
50	5 MLD STP, Vill. Nattar 2 , Sirsa by PHED in 14.09.17	PHED	5	04.03.2022	Non-Complying
51	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	PHED	7.5	05.03.2022	Complying
52	9.5 MLD STP, Daddu Road,Kalanwali, Sirsa by PHED in 17.02.2018	PHED	9.5	05.03.2022	Complying except Faecal Coliform
53	6 MLD STP Rania Sirsa by PHED in 30.6.2017	PHED	6	05.03.2022	Complying
54	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017	PHED	16.5	05.03.2022	Complying
55	20 MLD STP at Kelnia Sirsa by PHED	PHED	20	05.03.2022	Complying except Faecal Coliform
Fatehabad					
56	10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013	PHED	10	07.01.2022	Non-Complying
57	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	PHED	10	03.03.2022	Non Complying
58	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014	PHED	6.5	03.03.2022	Complying
59	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018	PHED	5	03.03.2022	Complying
60	3 MLD STPJhakhal Mandi, Fatehabad by PHED in 30.9.2019	PHED	3	03.03.2022	Complying
61	8 MLD STP at Bhuna, Fatehabad	PHED	8		Complying
62	10 MLD STP Majra, Fatehabad by HUDA in 16.12.17	HSVP	10	03.03.2022	Complying
Total No. of STPs- 62			535		

Status of existing STPs in the catchment of river Yamuna

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
Yamuna Nagar					
1	Radaur Road, Yamuna Nagar by PHED	PHED	20	24.03.2022	Complying
2	Radaur Road, Yamuna Nagar by PHED	PHED	25	24.03.2022	Complying
3	Baddimajra, Yamuna Nagar by PHED*	PHED	10	24.03.2022	Complying
4	Baddimajra, Yamuna Nagar by PHED*	PHED	10		Complying
5	Parwaloo, Jagadhri Yamuna Nagar by PHED	PHED	24	29.03.2022	Complying
6	Chhachhrauli Yamuna Nagar by PHED	PHED	3	24.03.2022	Complying
7	Radaur Yamuna Nagar by PHED	PHED	3.5	24.03.2022	Complying
Ladwa, Kurukshetra					
8	Indri Road, Ladwa Kurukshetra by PHED	PHED	7	22.03.2022	Complying
Karnal					
9	Indri, Karnal by PHED*	PHED	4	10.03.2022	Complying
10	Nilokheri, Karnal by PHED	PHED	6	07.03.2022	Complying
11	Nissing Karnal by PHED	PHED	4	22.03.2022	Complying
12	Tarori Karnal by PHED	PHED	5.5	10.03.2022	Complying
13	Gharaunda, Karnal by PHED	PHED	7	11.03.2022	Complying
14	Gogharipur Road, karnal by ULB	ULBD	10	10.03.2022	Complying
15	RK Puram, Karnal by ULB	ULBD	8	10.03.2022	Complying
16	Transport Nagar, Karnal by ULB*	ULBD	50	10.03.2022	Complying
Panipat					
17	Sewah, Panipat by PHED	PHED	35	25.03.2022	Complying except Faecal Coliform
18	Sewah, Panipat Panipat by PHED	PHED	25	25.03.2022	Complying
19	Jattal Road, Panipat by PHED	PHED	20	29.03.2022	Complying
20	Jattal Road, Panipat by PHED	PHED	10	29.03.2022	Complying except Faecal Coliform
21	Samalkha, Panipat by PHED	PHED	5	25.03.2022	Non Complying
22	Sec-19, Panipat by HSVP	HSVP	30	24.03.2022	Complying
23	Sec-6, Panipat by HSVP	HSVP	0.8	24.03.2022	Complying except Faecal Coliform
Sonepat					
24	Kharkhoda Sonepat by PHED	PHED	4.5	29.03.2022	Complying
25	Ganaur Sonepat	PHED	7	31.03.2022	Non Complying
26	Gohana Sonepat by PHED	PHED	3	31.03.2022	Non Complying
27	Gohana Sonepat by PHED	PHED	8.3	31.03.2022	Non Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
28	Rathdana Road, Sonapat by ULB	ULBD	30	27.01.2022	Complying
29	Kakroi Road, Sonapat by ULB	ULBD	25	31.03.2022	Complying
30	Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP	HSVP	7.5	29.03.2022	Complying
Rohtak					
31	PGI Rohtak by PHED	PHED	19.5	30.03.2022	Complying
32	Sonaria, Rohtak by PHED	PHED	40	30.03.2022	Non-complying
33	Kalanaur Rohtak by PHED	PHED	3.5	30.03.2022	Non-complying
34	Meham Rohtak by PHED	PHED	5	30.03.2022	Non-complying
35	Singhpura, Rohtak by PHED	PHED	14	30.03.2022	Complying
36	Sampla Rohtak by PHED	PHED	4	30.03.2022	Non-complying
37	Sec-25, Rohtak by HSVP	HSVP	10	30.10.2021	Non-complying
38	Singhpura, Rohtak by ULB*		10		Non Complying (Under Maintenance)
Jhajjar					
39	Jhajjar by PHED	PHED	5	30.03.2022	Non-complying
40	Jhajjar by PHED	PHED	5.5	30.03.2022	Non-complying
41	Beri Jhajjar by PHED	PHED	2	15.02.2021	Complying except Faecal Coliform
42	Line Par, Bahadurgarh by PHED	PHED	18	31.03.2022	Non-complying
43	Najafgarh road Bahadurgarh by PHED	PHED	36	30.03.2022	Non-complying
44	Sec-36, Bahadurgarh by HSVP	HSVP	10	30.03.2022	Non-complying
Nuh					
45	Tarou by PHED	PHED	4.5	12.03.2022	Non Complying
46	Punhana by PHED	PHED	4.5	12.03.2022	Non Complying
47	Nuh by PHED	PHED	3.6	12.03.2022	Non Complying
48	Ferozpur Jhirka by PHED	PHED	5	12.03.2022	Complying except Faecal Coliform
Palwal					
49	Hathin by PHED	PHED	4.5	12.03.2022	Non Complying
50	Hodal by PHED	PHED	9	12.03.2022	Non Complying
51	Palwal by PHED	PHED	9	12.03.2022	Non Complying
52	Hassanpur by PHED	PHED	3	12.03.2022	Non Complying
Faridabad					
53	Badshahpur, Faridabad by ULB	ULBD	45	10.03.2022	Non-Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
54	Faridabad by HSVP	HSVP	7.5		Complying
Gurugram					
55	Dhanwapur, Gurgaon by GMDA	GMDA	50	22.03.2022	Complying
56	Dhanwapur, Gurgaon by GMDA	GMDA	68	22.03.2022	Complying
57	Behrampur, Gurgaon by GMDA	GMDA	120	04.03.2022	Non-Complying
58	Behrampur, Gurgaon by GMDA	GMDA	50	04.03.2022	Complying except Faecal Coliform
59	Dhanwapur, Gurgaon by GMDA	GMDA	100	22.03.2022	Non-Complying
	Total		1074.2		

Status of existing STPs in the catchment of other catchment

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Gurugram					
1	Sohna, Gurgaon	PHED	6	29.03.2022	Non-Complying
2	Pataudi, Gurgaon	PHED	4.5	11.03.2022	Non-Complying
3	Farrukhnagar, Gurgaon	PHED	3	11.03.2022	Non-Complying
4	Haily Mandi, Gurgaon	PHED	5.5	11.03.2022	Complying except Faecal Coliform
Jind					
5	Julana, Jind	PHED	4	25.03.2022	Non-Complying
Bhiwani					
6	Dhana Road, Bhiwani	PHED	10	29.03.2022	Non-Complying
7	Bhiwani	PHED	10	29.12.2021	Non-Complying
8	Bhiwani, Phase-I	PHED	15	29.03.2022	Complying
9	Bhiwani, Phase-II	PHED	15	29.03.2022	Complying
10	Charkhi Dadri, Bhiwani	PHED	5	31.03.2022	Non-Complying
11	Chirya Road, Charkhi Dadri, Bhiwani	PHED	5	31.03.2022	Non-Complying
12	Bawani Khera, Bhiwani	PHED	4.5	29.03.2022	Non-Complying
13	Loharu, Bhiwani	PHED	3.5	31.03.2022	Non-Complying
14	Tosham, Bhiwani	PHED	3	29.03.2022	Complying
15	Siwani, Bhiwani	PHED	4	31.03.2022	Non-Complying
16	Bhiwani	HSVP	10	29.03.2022	Complying
Mohindergarh					
17	Mohindergarh	PHED	6.5	30.03.2022	Complying
18	Ateli Mandi, Mohindergarh	PHED	2	30.03.2022	Complying
19	Kanina, Mohindergarh	PHED	3	30.03.2022	Complying
20	Rewari Road, Narnaul, Mohindergarh	PHED	7.5	30.03.2022	Non-Complying
21	Near Chinkara Rest House, Rewari Road, Narnaul	MC	6		Non-Operational and effluent being treated in 7.5 MLD STP Narnaul
Rewari					
22	Bawal, Rewari	PHED	3	30.03.2022	Complying except Faecal Coliform
23	Rewari	PHED	6.5	31.03.2022	Non-Complying
24	Rewari	PHED	8	31.03.2022	Non-Complying
25	Rewari	PHED	16	31.03.2022	Non-Complying
26	Dharuhera	PHED	9.5	31.03.2022	Non-Complying
27	Kosli, Rewari	PHED	3	31.03.2022	Non-Complying
28	Dharuhera	HSVP	5	31.03.2022	Non-Complying
Ambala					
29	Barara, Ambala	PHED	4	29.03.2022	Complying

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Karnal					
30	Assandh, Karnal	PHED	5	08.03.2022	Complying
Hisar					
31	Hansi, Hisar	PHED	6.5	02.03.2022	Non-Complying
32	Dhani Gram, Barwala, Hisar	PHED	6	01.03.2022	Non-Complying
33	Uklana, Hisar	PHED	6.5	01.03.2022	Complying
34	Dhani Kushal, Bhiwani Road, Hansi	PHED	5	01.03.2022	Non-Complying
35	Lalpura- Jind Road, Hansi	PHED	7.5	02.03.2022	Non-Complying
Total -35			225		

13 Clusters of ISWM in river catchment

Sr. No.	Cluster	ULBs within clusters	Plant Capacity (TPD)	Project Status
1	Sonepat-Panipat	Sonepat, Panipat, Gannaur, Samalkha	700	Waste to Energy Plant has been commissioned on 16.08.2021.
2	Faridabad-Gurugram	Faridabad, Gurugram	2100	- Project is awarded to M/s Ecogreen Energy Gurugram Faridabad Pvt. Ltd. on 14.07.2017. - Environment Clearance has been granted by MoEF&CC on 01.11.2019. - The work of construction of plant is likely to be started soon and will be completed by December 2023.
3	Bhiwani	Bhiwani, BawaniKhera, CharkhiDadri, Loharu, Badhra	155	- Bids were invited for Bhiwani&Sirsa cluster on 07.06.2021 with bid due date on 22.07.2021. - Two bids were received in both clusters and only single bidder in each cluster has qualified in Technical evaluation. - A Meeting of CCI was held on 14.10.2021 in which it was decided that rates discovered for ISWM Bhiwani and Sirsa cluster be placed before CCI for final decision in this matter.
4	Sirsa	Sirsa, Rania, Ellenabad, Kalanwali, MandiDabwali	168	Now CCI has decided that the bids may be finalized by the CoSI. The meeting of CoSI for final decision is likely to be scheduled shortly.
5	Ambala-Yamunanagar	Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura	675	Bids are invited for Ambala-Yamunanagar cluster on 25.08.2021. Pre-bid Meeting was conducted on 07.09.2021 and re-conducted as per directions of CCI meeting on 10.11.2021
6	Karnal-Kaithal-Thanesar	Indri, NilokheriTarori, KarnalGharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat, Rajound, Cheeka, Pundri	638	Bid due date is 15.04.2022.
7	Panchkula	Panchkula and Kalka	280	
8	Rohtak-	Kalanaur, Meham,	628	

Sr. No.	Cluster	ULBs within clusters	Plant Capacity (TPD)	Project Status
	Bahadurgarh-Jhajjar	Rohtak, Gohana, Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri		
9	Jind	Jind, Narwana, Safidon, Uchana, Narnaund, Sisai, Bass	181	Tenders will be invited after finalization of earlier invited tenders.
10	Rewari	Bawal, Dharuhera, Rewari, Mahendergarh, Kanina	407	
11	Hisar-Fatehabad	Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, UklanaMandi, Ratia, Tohana, JhakaIMandi	432	
12	Punhana	Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh, Tauru	466	
13	Faruknagar	Farukh Nagar, HailyMandi, Pataudi	26	
Total			6856	

Details of Dump Site

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpsite is in operation	Remarks
1	Hisar	Opp. Village Dhandoor	13.32	4.01	1.3	9 years	
2	Gurugram	Village Bandhwari Gurgaon Faridabad Road	30	Approx 40.00	27.5 (approx)	2008 onwards	Bandhwari dumpsite was established and operated by MC Faridabad through its contractor i.e AKC Developers and operated till 2014. further in year 2017 M/s Ecogreen was engaged for collection, transportation of MSW for MCG & MCF)Faridabad & Gurugram Cluser) and possession of bandwari site is with them since 2019
3	Ambala city	VPO Patvi, Teh. Naraingarh	14	height-6 Mtr Depth-4 Mtr	6		
4	Panipat	Near Village Nimbri, Distt. Panipat	8	2	5	2014	-
5	Sirsa	Village Bakirawali SWM Plant	13	11	4	14 Years	
6	Panchkula	Nera IT Park Sector-23 Panchkula	10.5	4	3.96	14 Year's (2004 onwards dumping started)	
7	Rohtak	Near SWM plant, Drain No. 8, Bhiwani Road, Village Sunarian, Rohtak Ward NO. 22	10	4	3.95	2010	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
8	Bahadurgarh	NayaGaon, Badli Road	7.2	3	3.2	Since 2004	
9	Yamunanagar-Jagadhri	KailKachra Plant	12	2.5	1.76 Approx	21.12.2012 to 14.12.2013 (Plant is not working from 14.12.2013 to till date.)	-
10	Jind	Near Delhi Ferozpur Railway Line	18.12	2.13	1	1996	
11	Shahabad (M).	Village Kalyana	0.48	4.9	0.11	19.12.2018	Land on lease basis.
12	Narnaul	Raghunathpura	16	15	0.59	Since 2001	
13	Safidon	Near Assandh By Pass back of New Grain Market Safidon	0.06	0.9	0.006	Since Sep-2019	
14	Ratia	JakhalDadi Road	4	1	0.11	2017	area covered 30 %
15	Rania	BalasarRaod, Back Side NirankariBhawan, Ward No. 02, Rania.	3.3	2.1	0.14	Year 2018	10 Feet Depth of the Site
16	Rajound	Gas Agency Road, Ward 03 Rajound	0.14	1	0.002	43718	-
17	Radaur	SK Road Radaur	1	-	0.003	09.02.2016	-
18	Palwal	Meghpur Village	1.48	Height= 1.25 Mtr. Depth=2.10 Mtr. Total= 3.35 Mtr.	0.12	Year 2017	
19	Nilokheri	Kali Mata Mandir Road	2	2.33	0.18	Approximately 8-10 Year	
20	NangalChaudhary	Near Krishnawati	0.7	0.9	0.015	Since 2013	-

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		River Nangal Chaudhary					
21	Meham	Hisar Bye Pass, Mehama	1.48	3.25	0.087	2013	
22	Ladwa	On Babain Road	6.26	1.5	0.001	43800	-
	Kanina	PiplaWaliBani (Gahra Road)	25	1.5	0.068	2010	
23	Kanina	MankaWaliBani (Sihor Road)	8	1.5	0.034	2009	
24	Julana	Near HadwaraJulana	1	6	0.05	25.11.2019	-
25	Faridabad	Bandhwari Dumpsite is Common Dumpsite for MCG and MCF.					
26	Gharaunda	Begampur	1.19	10	0.23	Oct. 2019	
27	FerozpurJhirka	DoodhGhati	1	NIL	0.2	2006	-
28	Fatehabad	Bigbar Road, Village Matana, Fatehabad	1.5	2	0.46	2014	
29	Farrukh Nagar	Chand Nagar Road, Ward no. 11, Farrukhnagar	3.73	1.22	0.11	Last 10 years	Presently stay by Hon'ble Court as this dumping site
			0.18	1.83	0.082	Last 6 month	Used as Temporary dumping site due to stay at main dumping site on Chand Nagar Road, Ward No. 11, Farrukhnagar.
30	Ellenbad	Temporary Dumpsite in Hudda R-3	2.25	2.43	0.12	From Last 2 Years	-
31	Assandh	Near Kanchi gate Kaithal road Assandh	1.38	4.57	0.15	Since 2004	-
32	CharkhiDadri	Rania WalaJohar, Near BhiwaniRohtak Bye pass	4	3	0.26	Year 2006	
33	Gohana	VilalgeThaska	4.7	5.5	0.42	2011	
34	HailyMandi	Near Mirzapur Road, W. No. 7	2.49	2.43	0.00028	11.03.2020	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		HailyMandi					
35	Indri	Indri Bypass Road	1.2	1	0.03	5-8 Years	
36	Kaithal	Khurana Road	5	2.43	0.8	41426	
37	Kharkhoda	Sampla Road Bye pass	2	1.22	0.24	Approx 25 Years	
38	Narnaund	Near ShanshanGhat W. No. 4	1.4	1	0.028	2001	
39	Nuh	Jogipur Road, Nuh town, Near Vijay Gas Agency	3.7	NIL	0.16	2011	
40	Pataudi	Ward No. 10 MotiDungri	2	2.85	0.11	Approximately from year 2000	-
41	Pehowa	KKR Road	2	0.5	0.008	Since 2018	
42	Rewari	RamsinghpuraBawal	12	Varies from average1.22 mtr to average3.20 mtr		0.6	Since 2005
43	Bawal	There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera.					
44	Dharuhera	There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera.					
45	Sohna	Old Delhi Alwar Road BehindNirankari College Sohna	5	2.00-2.25	0.51	2010	
	Taraori	Nadana road near electricity power house M.C Taraori	0.22	3.5	0.0315	Approx 8-10 Years	
		Nadana road near					

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (inMtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
46	Taraori	electricity power house M.C Taraori	0.11	3.5	0.0157	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.19	3.5	0.02625	Approx 8-10 Years	
		Nadana road near electricity power house M.C Taraori	0.15	1	0.006	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.33	4	0.054	Approx 8-10 Years	
		Nadana road near electricity power house M.C Taraori	0.08	3.5	0.0126		
	Taraori	Nadana road near electricity power house M.C Taraori					
47	Nissing	Near Mata SundriKhalsa Girls College Karnal-Kaithal Road	2	3	0.15	This Dumpsite is under operation since the time of Gram Panchayatnissing	Municipal Nissing was constituted in the year 2010, but this dumpsite is in operation from the time of gram panchayat.
48	Hodal	Gadhi Mod, Hodal	2	1	0.04		
49	Siwani	Tosham Road	2.3	1.2	0.07	SINCE LAST 7-8 YEARS	
50	Tauru	BurakhaPahadi	1	3.5	0.35	2009	
51	Ganaur	Badshahi Road, Near Telephone Exchange, Ganaur.	4.4	4.5	0.25	18 YEARS APPROX.	
52	Kalanwali	Dadu Road, Ward No. 10	2	below ground level	0.0328	30 years.	
53	Mahendergarh	DohanNadi	4	1.5	0.12138	since 4 years	
54	Narwana		2	4.5	Not estimated	since 1987	
55	Hathin		NA	NA	NIL	NA	There is no permanent landfill site in MC Hathin.
56	JakhalMandi	Balran Road	0.55	7	0.00015	20.01.2020	
57	Jhajjar	Village	8.6	1.5	0.01818	since 2017	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		UtlondhaDistt. Jhajjar					
58	Karnal	Village Sekhpura, Karnal	8	6	0.714	41944	
59	Sadaura	Kala Amb Road Near ITI	2.5	-	-		
60	Naraingarh	There is no dumpsite in MC, Naraingarh. All the Solid waste, garbage of MC Naraingarh is transported to Patvi dumpsite of Ambala City.					
61	Ambalasadar	There is no dumpsite in MC, Ambalasadar. All the Solid waste, garbage of MC AmbalaSadar is transported to Patvi dumpsite of Ambala City.					
62	Pundri	Near kakaut Road	1	NIL	0.0002	27.03.2020	
63	Sampla	MC, Sampla sent all solid waste to SWM Plant Rohtak.					
64	Kalanaur	MC, Kalanaur sent all solid waste to SWM Plant Rohtak.					
65	Kundli	On Narela Road	1	below ground level	0.00008	42095	
66	Bhiwani	Dadri Road, Bhiwani	10	2.00-3.00	0.22403	Since the existence of MC.	
67	Hansi	Near biid Farm	2	5 feet height and 5 feet deep			
68	Ismailabad	pehowa-ismailabad-ambala link road opposite reliance petrol pump	1	--	0.005	since 2008	
69	Samalkha	GarhiChhaju	0.22	4.95	0.28239	27.02.2008	
70	Tohana	Baba Buta shah Basti	1	3 mtr deep from the ground	0.1	2019	
71	Thanesar	village bazidpur near pipli zoo	4	1.91	0.008	2019	
72	MandiDabwali	Near Rambagh	8	4.26 Av.	0.30684	2008 (12 Years)	
73	Bass	New Committee			0.003		
74	Sisai	New Committee			0.003		

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (inMtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
75	Bhuna	Kula road, Bhuna	1.5	2	0.1	2012	
76	cheeka	Khrodi Road	1.5	4	0.392	2012	
77	Uchana	KheriMasaniya Road, Near kabristan, uchanaKalan	0.4	8	0.0578	06.01.2020	
78	Barara	Near sajanMajri Road	7	2.43	0.08737	since 2016	
79	Loharu	Pilani Road, Loharu	2	1.22	0.002	2006	
80	Kalayath	Kapil Muni Road, Ward No. 8 near shamshanghat, Kalayat	1.5	2.31	0.12	Jan, 2005	
81	BawaniKhera	Hansi-bhiwani main Road	4	1.22	0.009	from last 5 years	
82	Beri	Kabulpur road, near shiv dhamBeri.	0.5	0.25	0.006	Jan-20	
		BeriJhajgarh road near bhagalpuri chock Beri.	1	1	0.05475	Till March 18	
83	Sonepat	Murthal bye pass (Near DCRUST University)	5	0	0.5	Since 2017	
84	Punhana	Mandikhera, Jamalgarg Road	0.5	0	0.2	Since 2009	
85	AteliMandi	Village Khor	1	1	0.01942	2018	
86	Barwala	Kharkhra Road, Barwala	1.75	1.2	0.0052	Since 2018	
87	UklanaMandi	ThehUklana	2	1.2	0.006	Since 2017	

Annexure-6

Details on Captive TSDF(s)

Period: 2019-20

Name of SPCB/PCC:- HSPCB

Sr. No	Name and address of the Captive Facility	Type of facility (Landfillable/ Incinerable/ both)	Capacity		HW disposed during the year (MT)		Cumulative HW disposed till the end of financial year (MT)	
			Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
1	M/S Panipat Refinery ,IOCL Panipat	Landfillable	0	2500	1464.5	0	15964.5	0
2	M/s Crystal Crop. Protection Pvt. Ltd. (Unit-II) (Tech. Plant) , Vill. Nathupur, Sonapat.	Incinerable	0.05	0	--	0.005	--	42.805
3	M/s Indogulf Cropsciences Ltd., (Jai Shree Rasayan Udyog Ltd.), (new unit Tech. Plant) , Vill. Nathupur, Sonapat	Incinerable	0.05	0	--	4.62	--	50.62
4	M/s Marino panel Products Ltd., vpo rohad, Jhajjar	Incinerable	15	Nil	Nil	85.6	Nil	Nil

Annexure-7

MI Project under NABARD (1st Phase)

Sr. No	Name and Address of STP	Deptt.	Capacity (MLD)	Flow of Inlet (In MLD)	Treated Effluent (In MLD)	Quantum of Treated effluent being reused (In MLD)	Mode of reuse (Irrigation / horticulture /Industrial use / any other)	CCA (Hectares)	App. Cost (CCA in ha*2.10 lacs) otherwise actual	Status
1.	Barara SBR Technology Ambala	PHED (SBR)	6.00	To be filled by PHED	4.00	2.00	Irrigation	546	1146.60	AA received from Govt. on 22.04.2021. Tenders approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 31.12.2022
2.	Naraingarh - MBBR Ambala	PHED (MBR)	5.00	To be filled by PHED	3.00	1.40-1.70	Irrigation			AA received from Govt. on 26.04.2021. Tenders approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 31.12.2022
3.	Hisar Lalpura Road Hansi- MBBR	PHED	7.50	To be filled by PHED	7.50	6.00	Irrigation	372	781.20	Hearing completed. AA for Rs 1349.00 lacs recd from Govt. on 25.10.2021 Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
4.	Narnaund-Hisar	PHED	4.00	To be filled by PHED	4.00	2.00	Irrigation	198	415.80	Hearing completed. AA received from Govt. for Rs 4.44 Cr. on 11.10.2021. Estimate appd. Tender under process Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023

5.	Rishi Nagar-Hisar	PHED	40.00	To be filled by PHED	40.00	25.00	Irrigation	2569	5394.18	Administrative Approval received on 28.04.2021. Estimate under preparation Date of start-01.06.2022 Date of completion 30.12.2023
6.	Gulha Cheeka SBR Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation	794	1667.40	Hearing completed. AA received from Govt for Rs 10.25 Cr on 11.10.2021. Estimate appd. Tenders opened and under process Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
7.	Jind Road, Kaithal KTL drain SBR-Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation			Hearing completed AA for Rs 1372.97 lacs received from Govt on 20.10.2021. Estimate appd. Tenders under process. Likely Date of Start- 01.5.2022 Likely Date of Completion- 30.06.2023
8.	Majra, -MBBR Fatehabad	PHED	10.00	To be filled by PHED	10.00	7.50	Irrigation	496	1041.60	Hearing completed. AA received from Govt. Tender opened on 29.01.2022 and under process Likely Date of Start- 01.05.2022 Likely Date of Completion- 30.06.2023
9.	Village Amani, Tohana-MBBR Fatehabad	PHED	10.00	To be filled by PHED	10.00	7.50	Irrigation	496	1079.32	AA accorded by Govt. on 11.02.2021. Tender approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
10.	Jakhal-SBR Fatehabad	PHED	3.00	To be filled by PHED	3.00	2.25	Irrigation	149	343.59	AA received from Govt. on 14.01.2021. Tender appd, work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
11.	Ratia - MBBRFatehabad	PHED	6.50	To be filled by PHED	6.50	4.88	Irrigation	323	739.42	AA received from Govt.on 11.02.2021. Tender approved and work to start shortly. Likely Date of Start- 01.04.2022

										Likely Date of Completion- 30.06.2023
12.	Kalka -MBBR Panchkula	PHED	4.75	To be filled by PHED	4.75	3.25	Irrigation	250+250 = 500	1518.00	AA received from Govt. on 22.04.2021. However, it has been observed during final survey that the project is not feasible
13.	Nalagarh Road, Manakpur, Pinjore -MBBR Panchkula	PHED	5.00	To be filled by PHED	5.00	1.50-2.00	Irrigation			AA received from Govt. on 22.04.2021. Estimate under checking. Likely Date of Start- 01.06.22 Likely Date of Completion- 30.06.23
14.	STP Jind-MBBR Jind	PHED	15.00	To be filled by PHED	15.00	-	Irrigation	992	2083.20	AA received. Estimate is under checking. Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
15	STP Narwana MBBR Jind	PHED	5.00	To be filled by PHED	5.00	3.75	Irrigation			Hearing completed. Not Feasible. More than 80% Farmers did not agree.
	Total		141.75					7435.00	16210.31	

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No.
673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Haryana
Upto April, 2022

Overall status of the State:

I. Total Population: Urban Population & Rural Population

- ✓ Ghaggar catchment
Population – 26.9 lacs
- Yamuna catchment
Population – 73.4 lacs
- ❖ Other areas-
Population- 10.8 lacs

II. Estimated Sewage Generation (MLD):

- ✓ Ghaggar catchment
291.46 MLD sewage generation
- Yamuna catchment
1086 MLD sewage generation
- ❖ Other areas
117.5 MLD

III. Details of Sewage Treatment Plant:

• Existing no. of STPs and Treatment Capacity (in MLD):

- ✓ Ghaggar
62 STPs of treatment capacity of 535 MLD
- Yamuna
59 STPs of treatment capacity of 1074.2 MLD
- ❖ Other areas-
35 STPs of treatment capacity of 225 MLD.

• Capacity Utilization of existing STPs:

- ✓ Ghaggar
295.7 MLD effluent reaching STPs.
- Yamuna
1027.5 MLD effluent reaching STPs.

- ❖ Other areas-
131 MLD effluent reaching STPs.

- **MLD of sewage being treated through Alternate technology:**
NIL

- **Gap in Treatment Capacity in MLD:**

- **Yamuna**

There is Gap of 240.5 MLD in the installed treatment capacity at present in comparison to requirement i.e. sewage generation in some towns in catchment of river Yamuna i.e. Samalkha (0.56 MLD), Beri (0.15 MLD), Palwal (9.3 MLD), Faridabad (144.5 MLD) and Gurugram (86 MLD).

- **No. of Operational STPs:**

Ghagggar

There are total 62 STPs installed in the catchment of river Ghagggar with the capacity of 535 MLD. As per latest status, 24 STP is not meeting the prescribed parameters. The list is enclosed as **Annexure-1**.

Yamuna

There are total 59 STPs installed in the catchment of river Yamuna with the capacity of 1074 MLD. As per latest status, 28 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-2**.

Other Areas

There are total 35 STPs of 225 MLD capacity is installed in the other areas not following in the catchment of rivers. Out of these 22 STPs are not meeting the prescribed limits. The list is enclosed as **Annexure-3**.

Table- Details of town wise STPs in the State of Haryana is given as under:-

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
Ghagggar Catchment					
1	Naraingarh	3	1.7	Operational	Non Complying
2	Ambala	44	22.1	Operational	3 STPs are complying, 8 STPs are Non-Complying & 1 STP is Non Complying in F. Coli (3.25 MLD Naya Gaon, Unit-II, 5 MLD Baldev Nagar Unit-I , 3.25 MLD Unit-II, Baldev Nagar, 5 MLD Moti Nagar, Unit -1, 5 MLD Moti Nagar, Unit-II, 6 MLD Modal Town, 3.25 MLD Nasirpur, 2 MLD Urban Estate, Ambala and

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
					3 MLD Devi Nagar)
3	Ratia	6.5	4.5	Operational	Complying
4	Tohana	10	8.2	Operational	Non Complying
5	Jhakai Mandi	3	1.5	Operational	Complying
6	Fatehabad	33	14	Operational	2 STPs are complying, 1 STP is Non Complying in F. Coli & 1 STP non-complying (10 MLD Bhodia Khera, Fatehabad.)
7	Hisar	82	50	Operational	4 STPs are complying and 1 STP is Non Complying (4 MLD Kaimri Road, Hisar)
8	Narnaund	4	2.15	Operational	Non Complying
9	Narwana	9.25	7.03	Operational	3 STPs Non-Complying (3.5 MLD Patiala Road, Narwana, 3.75 MLD Narwana and 2 MLD Dablain Road Narwana)
10	Uchana	3.5	2.75	Operational	2 STPs are Non complying
11	Jind	37	20	Operational	2 STPs are Complying and 2 STP are Non Complying
12	Safidon	9	3.2	Operational	Complying
13	Cheeka	10	5.5	Operational	Non Complying in F. Coli
14	Kaithal	37.5	21.5	Operational	4 STPs are Non Complying in F. Coli
15	Kalayati	5	3.5	Operational	Non Complying in F. Coli
16	Pundri	3.5	3.25	Operational	Non Complying in F. Coli
17	Shahabad	11.5	6.5	Operational	Complying
18	Pehowa	8	5.5	Operational	Non Complying in F. Coli
19	Thanesar	40	18	Operational	2 STPs are Complying
20	Kalka	4.75	2.55	Operational	1 STP is non-complying and 1 STP is Non Complying in F. Coli
21	Pinjore	5	3.5	Operational	Complying
22	Panchkula	81	34.74	Operational	1 STP Non-Complying in F. Coli., 1 STP is Non-Complying and 2 STPs are

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
					complying
23	Mandi Dabwali	16.5	13.5	Operational	Complying
24	Kalanwali	9.5	2.5	Operational	Non-Complying in F. Coli.
25	Sirsa	45	29.5	Operational	1 STP is complying, 1 STP is Non-Complying in F. Coli. and 2 STPs Non-Complying (5 MLD Nattar 1, Sirsa and 5 MLD Nattar 2, Sirsa)
26	Rania	6	2.60	Operational	Complying
27	Ellenabad	7.5	6	Operational	Non-Complying in F. Coli.
Total		535	295.77		
Yamuna Catchment					
1	Jagadhri	24	18.5	Operational	Complying
2	Yamunanagar	65	43.70	Operational	4 STPs are Complying
3	Radaur	3.5	2	Operational	Complying
4	Chhachhrauli	3	1.75	Operational	Complying
5	Ladwa	7	5	Operational	Complying
6	Nilokheri	6	3.5	Operational	Non-Complying
7	Taraori	5.5	3.8	Operational	Complying
8	Indri	4	2.35	Operational	Complying
9	Karnal	68	59	Operational	3 STPs are Complying
10	Nissing	4	2.3	Operational	Complying
11	Gharaunda	7	4.7	Operational	Complying
12	Panipat	120.8	42	Operational	3 STPs Non Complying in F. Coli and 3 STPs are complying
13	Samalkha	5	4	Operational	Non-Complying
14	Gohana	11.3	8.72	Operational	2 STPs are Non- Complying
15	Ganaur	7	5.5	Operational	Non-Complying
16	Sonepat	62.5	48.3	Operational	3 STPs are Complying
17	Kharkhoda	4.5	2	Operational	Non-Complying
18	Meham	5	2.65	Operational	Non Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
19	Rohtak	93.5	49.7	Operational	2 STPs are Complying and 3 STPs are non-complying 40 MLD Sonaria, Rohtak, 10 MLD sector-25, Rohtak and 10 MLD Singhapura Rohtak)
20	Kalanaur	3.5	2.5	Operational	Non Complying
21	Sampla	4	2.66	Operational	Non Complying
22	Beri	2	1.72	Operational	Non Complying in F. Coli
23	Bahadurgarh	64	22.6	Operational	3 STPs are non- complying
24	Jhajjar	10.5	6.45	Operational	2 STPs are Non Complying
25	Taoru	4.5	2.6	Operational	Non-complying
26	Gurugram	388	474	Operational	3 STPs are complying and 2 STPs non-complying (100 MLD Dhanwapur, Gurugram and 50 MLD Dhanwapur, Gurugram).
27	Nuh	3.6	2.3	Operational	Non Complying
28	Ferozepur jhirka	5	2.45	Operational	Non Complying
29	Punhana	4.5	1.25	Operational	Non Complying
30	Faridabad	52.5	197	Operational	1 STP complying & 1 STP is non-complying
31	Palwal	9	9	Operational	Non Complying
32	Hathin	4.5	2.08	Operational	Non Complying
33	Hassanpur	3	1.25	Operational	Non Complying
34	Hodal	9	4.6	Operational	Non Complying
Total		1074.2	1027.52		
Other STPs					
1	Sohna	6	4.5	Operational	Non Complying
2	Pataudi	4.5	2.7	Operational	Complying
3	Farrukhnagar	3	1.85	Operational	Non Complying
4	Haily Mandi	5.5	2.9	Operational	Non-complying in F. Coli
5	Julana	4	2.3	Operational	Non Complying
6	Dhana Road, Bhiwani	10		Operational	Non Complying
7	Bhiwani	10	38	Operational	Non Complying
8	Bhiwani	15		Operational	Complying
9	Bhiwani	15		Operational	Complying
10	Charkhi Dadri	5	6	Operational	Non Complying
11	Charkhi Dadri	5		Operational	Non Complying
12	Bawani Khera	4.5	2	Operational	Non Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
13	Loharu	3.5	2	Operational	Non Complying
14	Tosham	3	1.62	Operational	Complying
15	Siwani	4	2.75	Operational	Non Complying
16	Mohindergarh	6.5	2.5	Operational	Complying
17	Ateli Mandi	2	1.16	Operational	Complying
18	Kanina	3	0.89	Operational	Complying
19	Rewari Road, Narnaul	7.5	5	Operational	Non Complying
20	Bawal	3	2	Operational	Non-complying in F. Coli
21	Rewari	6.5		Operational	Non Complying
22	Rewari	8		Operational	Non Complying
23	Rewari	16	20	Operational	Non Complying in F. Coli
24	Dharuhera	9.5	4	Operational	Non Complying in F. Coli
25	Kosli	3	2	Operational	Non Complying
26	Barara	4	2.34	Operational	Complying
27	Assandh	5	3.80	Operational	Complying
28	Hansi	6.5	13	Operational	Non Complying
29	Dhani Gram, Barwala	6	4.5	Operational	Non Complying
30	Uklana	6.5	3.5	Operational	Non Complying
31	Dhani Kushal, Bhiwani Road, Hansi	5		Operational	Non Complying
32	Lalpura- Jind Road, Hansi	7.5		Operational	Non Complying
33	Bhiwani	10		Operational	Complying
34	Dharuhera	5		Operational	Non Complying in F. Coli
35	Near Chinkara Rest House, Rewari Road, Narnaul	6		Operational	Non Complying in F. Coli
Total		225	131.31		

Details of under construction STPs in the State

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
Ghaggar Catchment					
1	12 Cross Road, Ambala	12	35%	215311 House sewer connections provided in the Ghaggar Catchment.	31.01.2023
2	Khatoli	0.75	100%		31.10.2021
3	Billa	0.75	100%		31.10.2021
4	Khuda Khurd, Ambala	12	40%		31.01.2023
5	Babyal	10	95%		31.05.2022

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
6	Shahpur Machhonda	7.5	50%		31.08.2022
7	Saketri-STP	1.5	96%		30.06.2022
8	Sirsa	7.5	100%		31.01.2022
9	Sukhdarshanpur	0.75	100%		31.07.2021
10	Uchana	2	86%		30.06.2022
11	Ramgarh, Panchkula	1	96%		30.06.2022
	Total	55.75			
Yamuna Catchment					
1	Shiv Colony, Karnal	8	91%	195520 House sewer connections provided in the Yamuna Catchment.	31.08.2022
2	Phooshgarh, Karnal	20	92%		31.08.2022
3	Peer Bodhi, Rohak	15	70%		30.09.2022
4	Faridabad, sector-21	10	71%		30.11.2022
5	Kithwari	10	70%		30.09.2022
6	Jodhpur Road, Palwal	15	68%		30.09.2022
7	Ferozpur, Palwal	2.5	71%		30.09.2022
8	Sonepat (Aterna)	15	68%		31.12.2022
9	Murthal Sonapat	3	38%		31.12.2022
10	Jhazgarh	20	37%		30.09.2022
11	Bajghera	2	21%		31.12.2022
12	Rohtak	10	94%		30.06.2022
13	Mirjapur, Faridabad	80	39%		30.11.2022
14	Partapgarh, Faridabad	100	42%		30.11.2022
15	Faridabad	30	80%		30.06.2022
16	Beri	2	100%		31.03.2022
17	Dev Colony, Panipat	15	35%		31.01.2023
18	Barsat Road, Panipat	25	15%		31.01.2023
	Total	382.5			

Details of proposed STPs in the State

Sr. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
Ghaggar Catchment				

Sr. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	Sector-32, Ambala Cantt.	5	Sewage is lifted to the existing 2 MLD STP of HSVP in Ambala.	31.12.2027
2	Naraingarh, Ambala	1	Sewage is lifted to the existing STP of PHED in Naraingarh.	31.12.2024
3	Pinjore, Panchkula	8	No discharge yet.	31.12.2027
4	Jind	5	The existing 10 MLD STP is sufficient.	31.12.2027
5	Hansi	5	Present discharge, though very little, is being treated in existing STP.	31.12.2027
6	Hisar	10	Sewage is lifted to the existing 15 MLD STP of HSVP in Hisar.	31.12.2024
7	Hisar	5	No discharge yet.	31.12.2026
	Total	39		
Yamuna Catchment				
1	Manesar and Naharpur Kasan, Gurugram	25	Under tendering process.	31.12.2022

IV. Details of Industrial Pollution:

Sr. No.	River stretch	No. of industries	Quantum of effluent generated (in MLD)	No. of industries having ETPs	No. of industries connected to CETPs
1	Yamuna	3505	121.11	3505	814
2	Ghaggar	212	5.2	212	28
	Total	3717	126.31	3717	842

- Number and total capacity of CETPs (details of existing/ under construction / proposed)

Sr. No.	River stretch	Existing CETPs		Under construction CETPs		Proposed CETPs	
		No.	Capacity (in MLD)	No.	Capacity (in MLD)	No.	Capacity (in MLD)
1	Yamuna	14	161.5	3	19	5	145.5
2	Ghaggar	4	6.1	2	3	0	0
3	Other Areas	1	22.5	0	0	0	0
	Total	19	190.1	5	22	5	145.5

- Status of compliance and operation of the CETPs.
Ghaggar Catchment

Town	No. of industries	Industrial Discharge (in MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Naraingarh	10	0.002	All units have	0

Town	No. of industries	Industrial Discharge (in MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Ambala	69	1.2	Installed ETPs	Existing – 2 CETP of 5.5 MLD capacity are complying as per latest A/Rs
Jind	No industry in catchment of river/drains of Ghaggar	0		Existing - 1 CETP of 0.1 MLD capacity is complying. Under construction -1 CETP of 1.5 MLD capacity.
Shahbad	4	0.001		0
Pehowa	3	3.4		0
Kurukshetra	26	0.036		0
Kalka	8	0.01		0
Barwala	10	0.07		Existing - 1 CETP of 0.5 MLD capacity and the same is complying as per latest A/R
Panchkula	82	0.5		0
Sirsa	0	0		Under construction - 1 CETP of 1.5 MLD capacity.
Total	212	5.2		

Yamuna Catchment

Town	No. of industries	Industrial Discharge (In MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Jagadhri/ Yamunanagar	207	18.4	All units have Installed ETPs	Under construction -1 CETP of 3 MLD capacity
Karnal	341	18.4		0
Panipat	286	24.3		Existing - 3 CETPs are all complying.
Sonepat	789	21.8		Existing - 4 CETPs of 25.2, 3 CETPs are complying and 1 CETP is non complying. Under construction - 1 CETP of 6 capacity.
Rohtak	89	1.4		Existing - 2 CETPs of 13 (1 CETP of 3 MLD is under trial run and the other CETP of 10 MLD at IMT Rohtak is complying)
Jhajjar	311	5.4		Existing - 1 CETP of 12.5 MLD and the same is complying. Under Construction -1 CETP of 10 MLD capacity
Gurugram	775	13.27		Existing - 2 CETPs of 55.2 MLD and are complying. Proposed - 3 CETPs of 30.5 MLD capacity.
Nuh	39	1.5		0
Palwal	76	7.7		0
Faridabad	592	8.94		Existing - 2 CETPs of 11.1 MLD are complying. Proposed - 2 CETPs of 115

Town	No. of industries	Industrial Discharge (In MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed) capacity.
Total	3505	121.11		

The list is enclosed as under:-

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
River Yamuna					
1	IE Rai, Sonapat	5	HSI IDC	4756 dt. 08.04.2022	Complying
2	IE Barhi, Sonapat	16	HSI IDC	5212 dt. 13.05.2022	Non-Complying
3	IE Kundli, Sonapat	4	HSI IDC	5210 dt. 13.05.2022	Complying
4	IE Murthal, Sonapat	0.2	HSI IDC	5211 dt. 13.05.2022	Complying
5	IMT Rohtak	10	HSI IDC	4774 dt. 08.04.2022	Complying
6	IE Kutana, Rohtak	3	HSI IDC	Under trial run	
7	IE Panipat Refinery Complex, Panipat	2.5	HSI IDC	Could not be functional, due to Non availability of sufficient effluent	
8	HSI IDC Sector 16-17, Bahadurgarh	12.5	HSI IDC	5221 dt. 13.05.2022	Complying
9	IMT faridabad	10.5	HSI IDC	4955 dt. 27.04.2022	Complying
10	IMT Manesar, Gurugram	55	HSI IDC	4855 dt. 20.04.2022	Complying
11	Sector-29, Unit-I, Panipat	21	HSVP	4725 dt. 06.04.2022	Complying
12	Sector-29, Unit-II, Panipat	21	HSVP	4724 dt. 06.04.2022	Complying
13	Faridabad Electroplaters Association	0.6	Private	4952 dt. 27.04.2022	Complying
14	Industrial Area, Sector-37, Gurugram	0.2	Private	1179-1180 dt. 09.12.2021	Complying
River Ghaggar					
15	IE Barwala, Panchkula	0.5	HSI IDC	4517 dt. 22.03.2022	Complying
16	Ambala Cantt.	0.5	HSI IDC	5186 dt. 11.05.2022	Complying
17	Saha, Ambala	5	HSI IDC	5185 dt. 11.05.2022	Complying
18	I. E. Jind	0.1	HSI IDC	5195 dt. 12.05.2022	Complying

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
Other areas					
19	IMT Bawal, Rewari	22.5	HSI IDC	4787 dt. 08.04.2022	Complying
	Total capacity	190.1			

V. Solid Waste Management:

- **Total number of Urban Local Bodies and their Population.**

There are 93 Municipalities in the State out of which MC, Manesar, Mandi Adampur, Badhda, Seewan have been recently notified as Municipalities. As per data submitted by ULBD, Solid Waste Management 5600 TPD is daily generation of Municipal Solid Waste and the population of all Municipalities is 1,02,99,000 as per Census 2011.

- **Current Municipal Solid Waste Generation.**

As per data submitted by ULBD, Solid Waste Management 5600 TPD is daily generation. following brief status regarding management of Solid Waste in ULBs is as under:-

SWM Activities in State	Quantity
Total No. of Wards	1642
Quantity of Solid Waste	5600 TPD
No. of wards with 100% Door to Door Collection	1625
No. of wards where segregation is initiated	1558
Quantity of Wet waste	3048 TPD
Quantity of dry waste	2285 TPD
Quantity of wet waste being processed	1950 TPD
Quantity of dry waste being processed	1775 TPD
No. of vehicles for D2D collection	4280
No. of vehicle with Compartment	3056
No. of vehicles with GPS	2969
No. of GVPs Identified	851
No. of BWG identified	2022
No. of BWG processing on site	1312
No. of Solid Waste Challan collected in last three months	Total 1550 challan of amounting Rs. 22,07,050/-
No. of Plastic Waste Challan collected in last three months	Total 1840 challan of amounting Rs. 19,03,750

As per report submitted by ULBD, there are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (175 TPD), Karnal (150 TPD) & Sirsa (25 TPD). Apart from the above, two Bio-Methanation plants are operational in Faridabad (5TPD) & Karnal (10 TPD). One no Bio-Gas plant of capacity 60 TPD is operational in Ambala.

Further, there Are 3125 no of compost pits having the capacity approx. 3500 TPD for processing of wet waste and horticulture waste in various MCs. In addition, approx.11208 household pits have been constructed to encourage the households for home composting in Ambala Sadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula & Rohtak.

For processing of dry waste 97 Material Recovery Facilities (MRF) has also been constructed various Municipalities.

Work of Waste to Energy Plant (2300 TPD) in Gurugram-Faridabad is also under implementation.

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.**

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Further, Waste to Energy Plant at ISWM Sonapat-Panipat Cluster of 700 TPD capacity has been commissioned on 16.08.2021. Approximate 8 MW electricity is being generated in this plant.

- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

Integrated Centralized Waste Processing Approach (Cluster Wise) is being adopted as a long-term approach, with an overall objective to setup regional Waste to Energy, Waste to Compost + RDF processing facilities and Secured Sanitary landfills for scientific disposal of Solid Waste. This approach is more coveted considering the constraints posed by the decentralized approach and its sustainability over long run.

As part of this approach, total 13 Clusters have been formed covering all the 93 ULBs of Haryana. Also, under this approach the projects will be set up on PPP mode and single agency/concessionaire will be responsible for Door to Door Collection, transportation, processing and disposal of Solid Waste for a concession period of 22 years.

Currently 2 Waste to Energy Cluster Projects namely Sonapat-Panipat and Gurugram-Faridabad have been awarded and construction of Sonapat-Panipat Cluster (700 TPD) Waste to Energy project has been commissioned on 16.08.2021. The Environmental Clearance of Gurugram-Faridabad (2300 TPD) Waste to Energy Projects has been granted. The construction of the plant is likely to start soon. Once commissioned these two projects alone will cater to 12 approx. 40% processing of entire waste being generated in the state.

Remaining eleven (11) clusters are Open Technology Clusters. The details of 13 clusters are attached at **Annexure-4**.

- **Bioremediation of legacy waste lying at existing dump sites.**

Approximate 71.68 Lakh Metric Ton of legacy waste was lying at the dumping sites in Municipalities, out of which 67.64 lakh M.T. i.e. 94% of total quantity of the legacy waste is lying at 29 dumpsites in the State which also includes 33 lakh MT legacy waste at Bandhwari, Gurugram. The bio-remediation works at these 29 sites have been allotted to contractual agencies. Out of which work has been started at 23 sites and will be started very soon at other 06 sites. The remaining 4.04 lakh MT legacy waste is very small fractions of quantity lying at 47 dumpsites which will be also processed by adopting suitable technology. The detail of the same is as under:-

Status of bioremediation of legacy waste in the Municipalities of State of Haryana

Sr. No.	Name of MC	Estimated Quantity of legacy waste (In Lakh MT)	Estimated Cost as per agreement (in Crore)	Status of work	Quantity of waste processed upto 15.08.2021 (in MT)
1	Gurugram	33	--	Work in progress	1020158
2	Rohtak	5.2	25.67	work in Progress	435000
3	Ambala	6	35.73	Work in Progress	354957
4	Panchkula	3.96	37.5	Work in Progress	127556
5	Bahadurgarh	3.2	19.88	Work in Progress	83842
6	Narnaul	0.59	4.7	Work in Progress	59000
7	Kaithal	0.8	5.56	Work in Progress	60000
8	Gohana	0.42	2.68	Work in Progress	32532
9	Sirsa	0.45	3.44	Work in Progress	44530
10	Panipat	5	27.73	Work in Progress	68500
11	Palwal	0.21	1.26	Work in Progress	18000
12	Meham	0.14	1.11	Work in Progress	8424
13	Yamunanagar	1.27	9.31	Work in Progress	57500
14	Fatehabad	0.47	3.24	Work in Progress	42011
15	Gannaur	0.25	1.59	Work in Progress	23500
16	Rewari	0.6	4.02	Work in Progress	36000
17	Assandh	0.15	0.88	Work in Progress	13400
18	Cheeka	0.18	1.01	Work in Progress	8000
19	MandiDabwali	0.31	2.28	Work in Progress	8400
20	Jind	1	6.78	Work in Progress	20000
21	Kharkhoda	0.24	1.53	Work in Progress	4000
22	Nissing	0.15	0.94	Work in Progress	13800
23	Taraori	0.09	0.58	Work in Progress	2148.38
24	Gharaunda	0.2	1.23	Machinery under Installation	0
25	Bhiwani	1.15	8.15	Machinery under Installation	0
26	Nilokheri	0.11	0.69	Machinery under Installation	0
27	CharkhiDadri	0.25	2.1	Machinery under Installation	0
28	Hisar	1.3	12.35	Machinery under Installation	0
29	Karnal	0.95	5.84	Machinery under Installation	0

Sr. No.	Name of MC	Estimated Quantity of legacy waste (In Lakh MT)	Estimated Cost as per agreement (in Crore)	Status of work	Quantity of waste processed upto 15.08.2021 (in MT)
	Total	67.64	227.78	Total	24,81,258.38 say 24.81 Lakh MT

Approximate 24.81 lakh metric tonnes (36.67%) of legacy waste has already been processed in the above mentioned Municipalities. MCs mentioned at Sr. No. 24-29 above where zero quantity of legacy waste is shown as processed is due to the recent award/finalization of the contracts or due to some technical difficulties such as mobilization & installation of machinery, arrangement of labour etc. being faced by the concerned municipalities. However, the requisite machineries are now under installation at these dumpsites and the waste processing shall be started very soon.

The State Government has approved allocation of funds amounting to Rs. 262.67 Crore for the above mentioned municipalities. The 1st installment of Rs.44.59 Crore has been released by the State Government to the Urban Local Bodies Department to implement the necessary measures for this purpose.

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)**

Presently Municipal Corporation, Gurugram has established a 300 TPD Construction and Demolition Waste processing plant at Village Basai and the capacity of the plant will be increased to 1500 TPD shortly. MC Gurugram has signed agreements with two private contractors to collect and transport the C&D waste from the household's level to the designated C&D waste Plant.

Further, the concessionaire for establishment of 300 TPD C&D waste management plant in Faridabad on PPP mode has also been finalized and agreement has also been signed between concessionaire and Municipal Corporation, Faridabad. The plant is likely to be commissioned by November 2022. As per the terms & conditions of agreement, the agency will start the processing of C&D waste at tie up plant Ghaziabad within 2 months till the commissioning of its plant in Faridabad.

- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source**

As per report submitted by ULBD, there are total 1642 wards in MCs of Haryana out of which 1625 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated 1558 wards.

- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology).**

Detail is attached at **Annexure-4.**

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.**

The detail of dumpsites attached at **Annexure-5**.

- **No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers.**

No such data is available at present.

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers**

The drains of MCs don't falls directly into the rivers. They ultimately join the drains of irrigation and the drains of irrigation falls into the rivers. The MCs are installing the wire mesh in the drains to prevent the solid waste from falling into the drains. At present approximate 387 small drains have been provisioned with wire mesh screens.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
93	5600	3725	1. Municipal Corporation Sonapat (Waste to Energy Plant)- 700 TPD 2. Municipal Corporation, Karnal (Waste to Compost Plant)- Capacity 150 TPD. 3. Municipal Corporation, Rohtak (Waste to Compost Plant)- Capacity 175 TPD. 4. Municipal Council, Sirsa (Waste to Compost Plant)- Capacity 50 TPD. 5. Municipal Corporation Karnal (Bio-methanation Plant)- Capacity 10 TPD 6. IOCL, Faridabad (Bio-methanation Plant)- Capacity 5 TPD 7. Suntan Biogas Plant, Ambala- Capacity 60 TPD 8. Total no. of compost pits for wet waste and horticulture processing - 3125 having the capacity approx. 3500 TPD. 9. Total 97 MRF are established in ULBs having the capacity approx. 2273 TPD	Total Utilization of the existing capacity of the processing facilities: 3725 TPD as mentioned below: 1. Municipal Corporation Sonapat (Waste to Energy)- 700 TPD 2. Karnal, (Waste to Compost)- 150 TPD 3. Municipal Corporation Rohtak (Waste to Compost)- 175 TPD 4. Municipal Council Sirsa (Waste to Compost)- 25 TPD 5. Municipal Corporation Karnal (Bio-methanation)- 10 TPD 6. IOCL Faridabad- 5 TPD 7. Suntan Biogas Plant, Ambala- 60 TPD 8. Compost Pits- Approx. 1280 TPD 9. MRF- 1320 TPD	Integrated Solid Waste Management Projects are likely to be completed upto December 2023.

VI. Bio-medical Waste Management:

- **Total Bio-medical generation:**

As per the annual report for 2020, total 19217 kg/day Bio Medical Waste is generated in State of Haryana.

- **No. of Hospitals and Health Care Facilities:**

As per the annual report for 2020 there are 6320 no. of HCFs in State of Haryana.

- **Status of Treatment Facility/ CBMWTF:**

As per the annual report for 2020 there are 11 no. of authorized CBWTFs/Treatment facilities in State of Haryana

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 220987.09 tons

- **No. of Industries generating Hazardous waste-** 4849

- **Treatment Capacity of all TSDFs**

Incinerator (Kcal) - 2.5 Million.

Landfill (MTA) – 32 years

- **Avg. Quantity of Hazardous waste reaching the TSDFs and Treated**

Hazardous waste reaching TSDFs	Hazardous waste treated
Landfill -14372 MT Incineration – 15150.8 MT	Landfill -14372 MT Quantity Incinerated – 0

- **Details of on-going or proposed TSDF-** Details given at **Annexure-6**

VIII. Plastic Waste Management:

- **Total Plastic Waste generation:**

As per the annual report 2020 of PWM Approximate 507.30 TPD.

- **Treatment/ Measures adopted for reduction or management of plastic waste:**

At present plastic waste is being channelized through MRF centres established in MCs.

IX. Details of Alternate Treatment Technology being adopted by the State/UT

The Nodal Department for execution of Bio/Phyto- Remediation identified. The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation wherever feasible.

ULB Department has started bio/phyto remediation works in the drains in Municipal Corporation, Yamuna Nagar – Jagadhri, as a pilot project, which will be replicated at other places. Municipal Corporation of Sonapat has also invited tenders for the bio/phyto remediation of drains. Similarly, Municipal Corporations of Gurugram and Faridabad are in the process of preparing the proposals for bio/phyto remediation. Municipal Corporation of Panipat has already floated the tenders for the process in their jurisdiction. GMDA has

also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB. PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

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

There are locations where the untreated/partially treated effluent is joining the main drains discharging into rivers. The action plans for control of pollution at these points is required to be submitted by Concerned Departments.

River Ghaggar

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted Time Bound action plan	Action plan not required/completed
PHED	50	24	3	0	23
D&P	137	68	1	0	68
HSVP	12	1	4	0	7
ULBD	43	13	0	0	30
HSI IDC	2	0	0	0	2
HP State	1	0	1	0	0
Housing board	1	0	1	0	0
HSPCB	5	0	1	0	4
Forest Deptt.	1	0	1	0	0
UT-CHD	2	0	2	0	0
	254	106	14	0	134

River Yamuna

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted time bound	Action plan not required/completed
ULBD	62	51	0	0	11
D&P	23	2	0	0	21
HSPCB	17	0	7	0	10
PHED	14	1	0	0	13
Industry Deptt.	1	0	1	0	0
HSVP	3	0	0	0	3
Haryana Roadways	3	0	3	0	0
HSI IDC	2	0	0	0	2
Total	125	54	11	0	60

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

Member Secretary, Haryana State Pollution Control Board.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

Regular CS meetings are being held to review the progress of Yamuna and Ghaggar Action Plans. 9 Meetings held so far on 05.02.2020, 13.03.2020, 22.06.2020 17.07.2020, 06.08.2020, 08.09.2020, 08.12.2020 and 12.02.2021, 02.08.2021.

XIII.Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.

Ghaggar

(a) Water quality and flow of major drains joining river Ghaggar

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F. Coli
1	Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab. (PKL-RDQ-023)	30.642798, 76.874462	8.5	6.2	2900.0
2	MDC drain before entering into Punjab area near Raipur Kalan Temple carrying effluent of colonies of Haryana, Chandigarh, U.T (PKL-RDQ-033)	30.680110, 76.821592	18.5	14	1400
3	Singh Nallah choe before entring punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038)	30.664066, 76.843880	37	8.6	1200
4	Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008)	30.388012, 76.790604	28.65	42	2200
5	Ghail drain at Samaspur, Ambala (AMB-RDQ-011)	30.333736, 76.667902	15.91	36	1900
6	Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002)	Longitude 76026.218' and Latitude 30005.025'	88.02	41	65000
7	Cheeka Drain/Old Ghaggar Creek (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	9.78	35	72000
8	Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011)	Longitude 76011.249' and Latitude 29052.976'	44.01	40	65000
9	Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76006.831' and Latitude 29050.731') KTL-RDQ-015	Longitude 76006.831' and Latitude 29050.731'	18.15	38	80000
10	Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894) HSR-RDQ-006	Longitude 29.711468 and Latitude 75.551894	4	8.2	450
11	Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002)	29.787241, 75.827388	3	8	280
12	Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018)	29.489644, 74.741455	0.05	8.0	250

(b) Water quality and flow of river Ghaggar

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
1	Ghaggar River at Haryana Himachal Border (Ghaggar River at Morni) (PKL-RDQ-014)	30.742182/ 76.742182	38	6.2	1400
2	Ghaggar before meeting Kaushlaya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015)	30.639975/ 76.872849	59.5	3.2	900
3	Ghaggar River D/S after meeting Kaushalya River (NWMP-Station Code- 1885) (PKL-RDQ-017)	30.740980, 76.909826	99.5	5.4	500
4	U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-022)	30.613894/ 76.836044	108.5	1.6	700
5	D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024)	30.642798, 76.874462	117	6.2	8100
6	Ghaggar River before meeting Ambala Drain (AMB-RDQ-007)	30.402314, 76.743059	49	8.0	800
7	Ghaggar River after meeting Ambala Drain (AMB-RDQ-009)	30.398033, 30.398033	77.65	9.0	2300
8	Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB-RDQ-010)	29.71135/ 75.552123	77.65	9.5	700
9	Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) (AMB-RDQ-012)	30.332689, 76.668607	93.56	7.8	1900
10	Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76025.974' and Latitude 30007.695') (KTL-RDQ-001)	Longitude 76025.974' and Latitude 30007.695'	122.26	39	64000
11	Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76022.571' and Latitude 30005.410') (KTL-RDQ-003)	Longitude 76022.571' and Latitude 30005.410'	210.28	36	90000
12	Ghaggar River before mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-007)	Longitude 76.232452' and Latitude 30.064188'	210.28	32	65000
13	Ghaggar River after mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	220.06	35	72000

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
14	Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76010.173' and Latitude 29054.305') (KTL-RDQ-010)	Longitude 76010.173' and Latitude 29054.305'	0	35	56000
15	Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76010.135' and Latitude 29053.548') (KTL-RDQ-012)	Longitude 76010.135' and Latitude 29053.548')	44.01	38	62000
16	River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75000.061' and Latitude 29050.754') (KTL-RDQ-013)	Longitude 75000.061' and Latitude 29050.754'	0	38	61000
17	River Ghaggar after mixing Kaithal Drain into River Ghaggar. (Longitude 76006.663' and Latitude 29050.723') (KTL-RDQ-018)	Longitude 76006.663' and Latitude 29050.723'	18.15	34	62000
18	River Ghaggar before meeting discharge of Ratia. (HSR-RDQ-005)	29.693333, 75.580474	365.85	36	82000
19	River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007)	29.716549, 75.549705	369.85	26	61000
20	River Ghaggar before meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-001)	29.786392, 75.826893	650	35	77000
21	River Ghaggar after meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-003)	29.786392, 75.826893	653	30	45000
22	River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017)	29.457123, 74.677554	0	36	72000
23	River Ghaggar after discharged of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019)	29.489821, 74.746049	2	24	48000

(C) Ground water quality status in the vicinity of river Ghaggar.

Ground water quality is being monitored at 78 locations in the catchment of river Ghaggar by HSPCB. Out of total 78 locations, ground water is found fit for drinking at 32 locations and non complying at 46 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

Sr. No.	Region	No. of points monitored	Complying	Non-complying
1	Panchkula	7	7	0

Sr. No.	Region	No. of points monitored	Complying	Non-complying
2	Ambala	7	7	0
3	Jind	2	0	2
4	Kaithal	15	4	11
5	Kurukshetra	1	1	0
6	Hisar	5	0	5
7	Sirsa	23	10	13
8	Fatehabad	18	3	15
Total		78	32	46

River Yamuna

(a) Water Quality and flow of drains joining river Yamuna

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F.Coli
1	Dhanaura Escape before meeting River Yamuna, Village Jarauli, Karnal (KRN-RDQ-002)	29.73336, 77.12788	100	6.0	800
2	Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008)	29.280218, 77.120858	37.9	104	4100
3	Drain no. 6 before entry in Delhi (SNP-RDQ-001)	28.890391, 77.109702	9.78	86	3600
4	Entry point of Mungeshpur drain in Delhi Territory, back side of Sainik School, Bypass, Bahadurgarh, Distt. Jhajjar (BDH-RDQ-001)	28.669716, 76.949466	600	38	65000
5	Entry point of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt. Jhajjar (BDH-RDQ-002)	28.650667, 76.937005	170	35	62000
6	Entry point of Drain No. 8 in Delhi Territory, Near Dhansa Store of Executive Engineer, Irrigation & Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt. Jhajjar (BDH-RDQ-003)	28.535362, 76.869600	Nil	34	77000
7	Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002)	28.531019, 77.001858	6.05	24	7200
8	Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005)	28.508322, 76.975010	44.14	21	5200
9	Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008)	28.484470, 76.953334	219.92	25	7200
10	Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010)	28.382511, 77.481014	97.6	98	9000

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F.Coli
11	Gaunchi Drain before River Yamuna, Palwal (PWL-RDQ-005)	27.914783, 77.517323	86.3	37	15000

(b) Water Quality and flow of river Yamuna

Sr. No.	Drains meeting with river Yamuna	latitude/ Longitude	Flow (in Cusecs)	BOD (mg/l)	F.Coli
1	River Yamuna before meeting Maskara Nallah, upstream, Kalanaur (YMN-RDQ-001)	29.726992/ 77.13079	329	3.8	900
2	River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-RDQ-003)	30.068276, 77.348271	352	6.5	9800
3	River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001)	29.73327/77.1277	352	4.0	4200
4	River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003)	29.72592 and 77.13278	391	5.2	3100
5	River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli (PNP-RDQ-007)		664.6	6.0	600
6	River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009)	28.86158/ 77.206427	674.5	16	3900
7	River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002)	28.884931, 77.147185	410	4.8	200
8	River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004)	28.379079/ 77.486982	450	1.2	300
9	Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009)	28.384703, 77.489578	379	29	8000
10	Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011)	28.372917, 77.487966	419	36	10200
11	River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004)	27.914783, 77.517323	379	38	10400
12	River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006)	27.909736, 77.521114	414.37	39	9200

(C) Ground water quality status in the vicinity of river Yamuna.

Ground water quality is being monitored at 76 locations in the catchment of river Yamuna by HSPCB. Out of total 76 locations, ground water is found fit for drinking at 50 locations and non complying at 26 locations. Directions have already been conveyed to all the task forces to cap such water sources and a

display board mentioning that “Water is not for drinking purpose” may be placed. The same has been compiled by the task forces.

Sr. No.	Region	No. of Points monitored	Complying	Non-Complying
1	Panipat	9	6	3
2	Faridabad	8	8	0
3	Ballabgarh	6	1	5
4	Palwal	8	2	6
5	Gurgaon South	10	10	0
6	Gurgaon North	8	8	0
7	Karnal	5	5	0
8	Yamuna Nagar	3	3	0
9	Nuh	1	0	1
10	Sonepat	11	6	5
11	Bahadurgarh	7	1	6
	Total	76	50	26

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA/HWRA for extraction of ground water.

XV. Good irrigation practices being adopted by the State:

The major demand for river water is for Irrigation purposes and accordingly the State of Haryana has taken initiatives for water efficient farming practices which are given as under:-

(a) Project of Recycle and Reuse of Treated Wastewater for Irrigation Purpose

The State is in the process to set up system to reuse the treated sewage. The Irrigation Department has submitted the progress report regarding projects of utilization of treated sewage of STPs. The details are as under:-

- The Govt. has accorded approval to the consolidated project (Ghaggar and Yamuna Action Plan) on 04.01.2020 for Rs. 1098.25 Crore.
- 35 STPs (20 in Yamuna and 15 in Ghaggar) have been selected for installing micro irrigation system with combined treatment capacity of 338.85 MLD and a project has been sanctioned by Govt. of India namely “STP Micro Irrigation Project under NABARD assisted Micro Irrigation Fund” for Rs. 490 Crores and shall be completed by 2023-24.
- The Administrative Approval of 28 STPs has been accorded by the Govt.
- Tenders for around 21 STPs have been floated and tenders for 11 STPs have been approved. Work of these STPs is likely to be started shortly. Estimate of remaining STPs is under process and tender will be called soon.
- Regarding remaining STPs, the five years action plan will be prepared soon.

The list of projects in 35 STPs is given as under:-

Sr. No.	Name of District	Name of STP	Capacity of STP (in MLD)	Treatment technology
1	Ambala	Barara	6	MBBR
2	Ambala	Naraingarh	5	MBBR
3	Hisar	Hansi	12.5	MBBR
4	Hisar	Hisar sec-3	10	MBBR
5	Jind	Narwana	5	MBBR
6	Kaithal	Gulha	10	SBR
7	Kaithal	Kaithal	10	SBR
8	Fatehabad	Fatehabad	10	MBBR
9	Fatehabad	Tohana	10	MBBR
10	Fatehabad	Jakhal	3	SBR
11	Fatehabad	Ratia	6.5	MBBR
12	Panchkula	Kalka	4.75	MBBR
13	Panchkula	Pinjor	5	MBBR
14	Sirsa	Sirsa	15	SBR
15	Panipat	Panipat	25	SBR
16	Charkhi Dadri	Charkhi Dadri	5	MBBR
17	Bhiwani	Badra	10	MBBR
18	Gurugram	Behrampur	60	MBBR
19	Jhajjar	Jhajjar	6.5	MBBR
20	Jhajjar	Salhwas	5	MBBR
21	Rewari	Rewari	6.5	MBBR
22	Rewari	Rewari	8	MBBR with Dual Mode Filter
23	Mahendargarh	Nangal Chaudhary	6.5	MBBR
24	Mahendargarh	Narnaul	7.5	MBBR
25	Rohtak	Rohtak	10	MBBR
26	Bhiwani	Kairu	10	MBBR
27	Jind	Jind	15	MBBR
28	Karnal	Karnal	10	MBBR
29	Karnal	Karnal	8	MBBR
30	Yamuna Nagar	Radaur	3.5	MBBR
31	Faridabad	Ballabgarh	18	MBBR
32	Mewat	Punhana	4.5	MBBR
33	Mewat	Nuh	3.6	MBBR
34	Palwal	Hathin	4.5	MBBR
35	Sonipat	Sector-23	10	MBBR
	TOTAL		338.85	

(b) Installation of community based solar/grid powered mirco-irrigation infrastructure in existing canal commands

Six communities based solar/grid powered mirco-irrigation facilities have been installed for Irrigation of 768 hectare land.

In order to implement project of Micro Irrigation (MI) speedily, Government has decided to adopt bottom up approach i.e. 100% consent of stakeholders (farmers) for adoption of MI system shall be taken before execution of the project. The farmers or group of farmers who come forward with the chak of minimum 25 acres to adopt micro irrigation in their fields and also give consent to provide land free of cost for construction of tank for storage of water as per requirement of the chak for micro irrigation activity, Government shall provide all infrastructures like: laying of pipelines, construction of storage tanks, solar pumps etc free of cost & 95% subsidy shall be provided to on-farm drip and sprinkler micro irrigation components. The web portal for online application of farmers has also been launched.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

All the construction activities are banned on river Yamuna/Ghaggar Flood Plains and no encroachment on river Yamuna is allowed as per section 45 of Haryana Canal and Drainage Act, 1974. However, if any encroachment exists on river Yamuna/Ghaggar is immediately removed in accordance of this Act.

XVII. Maintaining minimum e-flow of river:

River Ghaggar

It is brought out that Ghaggar River is not a perennial river and discharge varies from zero to maximum during flood seasons. Around 15-20% of the lowest possible discharge in the lean season is required for maintaining E- flow. In our case the discharge varies from zero to maximum so maintaining E-flow is not possible. However, the monthly flow of all the major drains joining river Ghaggar is being measured regularly on monthly basis.

River Yamuna

It has been reported by the Irrigation and Water Resources Department, Haryana that as per MoU dated 12.05.1994 signed among the States of UP, Haryana, Rajasthan, Himachal Pradesh & NCT of Delhi, a minimum discharge of 352 cusec water is released in Yamuna river from Hathnikund barrage at lean period also to maintain the E-flow of river which was in accordance with the guidelines of Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India in compliance of the order of Hon'ble NGT dated 11.06.2015. However, in case excess discharge is received at HKB (in monsoon seasons) in comparison to capacity of channel, then this excess discharge is released into river Yamuna through Somb Nadi and the indented supply is released in the channel.

XVIII. Plantation activities along the rivers:

River Ghaggar

Urban Estate Wise Plantation Done in HSVP Area

Sr. No.	Name of U/E	Plantation done in the Year 2018-19	Plantation Done in Year 2019-20	Plantation Done in Year 2020-21
1	Panchkula	5000	7820	3993
2	Ambala	1500	3626	3344
3	Pehowa	0	0	0
4	Naraingarh	0	0	0
5	Kurukshetra	2000	3472	1870
6	MTS Gulha	0	0	0
7	MTS Pundri	0	0	0
8	Kaithal	1000	3160	1880
		9500	18078	11087

Plantation done in catchment of River Ghaggar by Forest Department in 2021-22

Forest Department has selected around 79 villages in the catchment areas of river Ghaggar and has proposed to plant around 6 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

Sr. No.	Name of District	No. of village	No. of plants to be planted	No. of plants planted till date
1	Panchkula	11	331596	330466
2	Ambala	11	138146	138146
3	Kaithal	6	13200	3050
4	Fatehabad	34	58295	58295
5	Sirsa	17	199450	70860
Total		79	740687	600817

River Yamuna

Urban Estate Wise Plantation Done in HSVP Area

Sr. No.	Name of U/E	Plantation Done in Year 2018-19	Plantation Done in Year 2019- 20	Plantation Done in Year 2020- 21
1	Jagadhri / Yamunagar	500	1178	1347
2	Shahabad	0	0	0
3	Karnal	5000	2810	4900
4	Faridabad	14300	22490	14900
5	Palwal	100	300	360
6	Rojka Meo	500	100	64
		20400	26878	21571

Plantation done in catchment of river Yamuna by Forest Department in 2021-22.

Forest Department has selected around 188 villages in the catchment areas of river Yamuna and has proposed to plant around 1.4 Cr. plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

Sr. No.	Name of District	No. of village	No. of plants to be planted	No. of plants planted till date
1	Yamuna Nagar	124	1245145	1245145
2	Karnal	19	8500	8500
3	Panipat	16	67948	67948
4	Sonepat	19	26500	22839
5	Faridabad	4	36500	46000
6	Palwal	6	12058	12058
Total		188	1396651	14025490

XIX. Development of biodiversity park:

River Ghaggar

District	Name	Areas in Acre.
Panchkula	i) World Herbal Forest, Morni	12500

District	Name	Areas in Acre.
	ii) Kapoor Vatika at Mallah	25
	iii) Thapli Herbal Park at Village Thapli	10
	iv) Tikka-Tal Herbal Park	20
Fatehabad	i) Mulethi Vatika at Gilakhera	14
	ii) Er. Kanwar Sain Gupta Herbal Park at Tohana	25
Sirsa	i) Bahera Vatika at Village Fulkan Village	17
Total		12611

River Yamuna

District	Names	Area in Acre
Yamuna Nagar	i) Rudraksh Vatika at village Chuaharpur	184
	ii) Adi Badri Herbal Park	10
Karnal	i) Ashok Vatika at Gharaunda	5
	ii) Indri Herbal Park	10
Panipat	i) Bilva Vatika at Pati Kalyana Village	14
Sonipat	ii) Amaltas Vatika Pati Kalyana Village	8
	ii) Khanpur Kalan Herbal Park	12
Faridabad	i) Ratanjot Vatika at Gurugram Canal at Faridabad	10
Palwal		0
Total		253

XX. Reuse of Treated Water:

The State is in the process to set up system to reuse the treated sewage. Details are given in point XV (a).

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

Both Ghaggar and Yamuna river stretches.

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

NA

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

Action taken report in compliance with the Environment & Monitoring Guidelines for Sand Mining Policy, 2020.

District	Period	Vehicle seized in illegal mining/illegal transportation of mineral	Vehicle released	Penalty imposed	Complaint lodged against illegal minors	FIR lodged against illegal minors
Panchkula, Ambala, Yamuna Nagar, Kurukshetra/Kaithal, Panipat/Karnal, Sonapat, Faridabad/Palwal	Apr, 2022	47	15	3285250	20	13

Name of District	Period	Details of regulation of mining activities	Violation identified	Action taken	Remarks
PKL	Apr,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Nil	Nil	Mining activities running.
Ambala	Apr,22	1. Regulation checking for day and night as well as surprised checking. 2. Mineral transportation with e-rawana 3. MDL is mandatory for sale and purchase of mineral by screening plant.	Yes	Fine imposed or FIR lodged against persons involved in illegal mining/transportation of illegal mineral	Illegal mining operation is closed since 01.07.2020 but some periodic cases of illegal mining by local villagers were also noticed/found and action has been taken against them, by this office.
Yamun a Nagar	Apr,22	1. Weight Bridges istalled at every lease. 2. CCTV installed at entry and exit point. 3. Dispatch of mineral with e-rawana. 4. Regular checking of by contract area of field staff.	Nil	Nil	Nil
PNP/K NL	Apr,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-	Nil	Nil	Mining activities in Village Pir Baduli & Faridpur by Unit no. 4, Karnal. The representative of contractor was asked verbally to lebelled serial no. on each and

Name of District	Period	Details of regulation of mining activities	Violation identified	Action taken	Remarks
		rawana. 5. Regular checking of by contract area of field staff.			very boundary pillars.
SNP	Apr,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Nil	Nil	Mining activities in village Tikola, vy M/s Yodha mines.

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

Action by HSPCB

✓ **Ghaggar**

- No. of industries inspected - 242
- No. of closure order issued against violating units - 214
- No. of violating units prosecuted - 64
- No. of violating units against whom EC imposed - 42
- Amount of EC Imposed - 7.8 Crore

▪ **Yamuna**

- No. of industries inspected - 1312
- No. of closure order issued against violating units - 945
- No. of violating units prosecuted - 267
- No. of violating units against whom EC imposed - 191
- Amount of EC Imposed - 84.55 Crore

Status of existing STPs in the catchment of river Ghaggar

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Ambala					
1	3.00 MLD STP Naya Gaon , Unit.I , Ambala City by PHED in Janurary, 2011	PHED	3	27.04.2022	Complying except Faecal Coliform
2	3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016	PHED	3.25	27.04.2022	Non-Complying
3	5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012	PHED	5	28.04.2022	Non-Complying
4	3.25 Baldev Nagar , Unit.II ,Ambala City by PHED in 1.4.2016	PHED	3.25	28.04.2022	Non-Complying
5	5 MLD Moti Nagar, Unit.I , Ambala City by PHED in June 2010	PHED	5	27.04.2022	Non-Complying
6	5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016	PHED	5	27.04.2022	Non-Complying
7	6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012	PHED	6	27.04.2022	Non-Complying
8	3.25 Nasirpur Ambala City by PHED in 31.9.2016	PHED	3.25	27.04.2022	Non-Complying
9	0.25 MLD Sadopur , Ambala PHED in 31.12.2016	PHED	0.25	28.04.2022	Complying
10	3.00 MLD Devi Nagar , Ambala City by PHED on 31.5.2013	PHED	3	28.04.2022	Non-Complying
11	3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014	PHED	3	28.04.2022	Non-Complying
12	2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	HSVP	2	27.04.2022	Complying
13	5 MLD STP Ambala by HSVP		5		Complying
Kurukshetra					
14	25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	PHED	25	13.04.2022	Complying
15	8 MLD STP Model Town, Pehowa Kurukshetra by PHED in May dt. 2015	PHED	8	14.04.2022	Complying except Faecal Coliform
16	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016	PHED	11.5	14.04.2022	Complying
17	15 MLD STP Kurukshetra by HSVP	HSVP	15	13.04.2022	Complying
Panchkula					
18	4.5 MLD Kalka Panchkula by PHED in 30.3.2015	PHED	4.5	08.04.2022	Non-Complying
19	0.25 MLD Kalka Panchkula by PHED in 28.5. 2017	PHED	0.25	08.04.2022	Complying except Faecal Coliform
20	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	PHED	5	08.04.2022	Complying
21	18 MLD STP Panchkula by HUDA in 31.12.2002	HSVP	18	12.04.2022	Complying
22	39 MLD STP Panchkula by HUDA in Nov. 2011	HSVP	39	12.04.2022	Complying
23	15 MLD STP Sector- 28, Panchkula by HUDA in 2012	HSVP	15	18.04.2022	Complying except Faecal Coliform

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
24	9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	GE	9	08.04.2022	Non-Complying
Jind					
25	15 MLD STP by PHED Jind in Jan, 2009	PHED	15	28.04.2022	Complying
26	3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011	PHED	3.5	28.04.2022	Non-Complying
27	3.75 MLD STP Narwana Jind by PHED in Jan , 2011	PHED	3.75	28.04.2022	Non-Complying
28	02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017)	PHED	2	28.04.2022	Non-Complying
29	2 MLD STP Uchana Jind by PHED in 22.2.2012	PHED	2	31.03.2022	Non-Complying
30	1.5 MLD Uchana by PHED in 31.5.2013	PHED	1.5	28.04.2022	Non-Complying
31	5 MLD STP Jind by PHED in 1.4.2016	PHED	5	28.04.2022	Non-Complying
32	7 MLD STP, Jind by PHED in 30.11.2019	PHED	7	28.04.2022	Non-Complying
33	9 MLD STP Safidon , Jind by PHED in 31.05.2018	PHED	9	28.04.2022	Complying
34	10 MLD by HUDA Jind in 27.12.2014	HSVP	10	28.04.2022	Complying
Kaithal					
35	10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013	PHED	10	21.04.2022	Complying except Faecal Coliform
36	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	PHED	10	21.04.2022	Complying except Faecal Coliform
37	10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR)	PHED	10	28.04.2022	Complying except Faecal Coliform
38	10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR)	PHED	10	28.04.2022	Complying except Faecal Coliform
39	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	PHED	5	21.04.2022	Complying except Faecal Coliform
40	3.5 Pundri Kaithal by PHED in 4.7.2014	PHED	3.5	21.04.2022	Complying except Faecal Coliform
41	7.5 MLD Kaithal by HUDA in 31.8.2016	HSVP	7.5	21.04.2022	Complying except Faecal Coliform
Hisar					
42	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	PHED	15	04.04.2022	Complying
43	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	PHED	40	04.04.2022	Complying
44	4 MLD STP Narnaund, Hisar by PHED	PHED	4	04.04.2022	Non-Complying
45	4 MLD STP Kaimri Road, Hisar by PHED in 2018	PHED	4	05.04.2022	Non-Complying
46	15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014	HSVP	15	04.04.2022	Complying
47	8 MLD STP Village Dabra by ULBD	ULBD	8		Complying
Sirsa					

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
48	15 MLD STP, Shamsabad patti , Kalania Road, Sirsa by PHED in 1.7.2012	PHED	15	06.04.2022	Complying
49	5 MLD STP, Vill. Nattar 1 , Sirsa by PHED in 1.5.2013	PHED	5	06.04.2022	Non-Complying
50	5 MLD STP, Vill. Nattar 2 , Sirsa by PHED in 14.09.17	PHED	5	06.04.2022	Non-Complying
51	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	PHED	7.5	06.04.2022	Complying except Faecal Coliform
52	9.5 MLD STP, Daddu Road,Kalanwali, Sirsa by PHED in 17.02.2018	PHED	9.5	06.04.2022	Complying except Faecal Coliform
53	6 MLD STP Rania Sirsa by PHED in 30.6.2017	PHED	6	06.04.2022	Complying
54	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017	PHED	16.5	06.04.2022	Complying
55	20 MLD STP at Kelnia Sirsa by PHED	PHED	20	06.04.2022	Complying except Faecal Coliform
Fatehabad					
56	10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013	PHED	10	08.04.2022	Non-Complying
57	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	PHED	10	08.04.2022	Non-Complying
58	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014	PHED	6.5	08.04.2022	Complying
59	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018	PHED	5	08.04.2022	Complying except Faecal Coliform
60	3 MLD STP Jhakhal Mandi, Fatehabad by PHED in 30.9.2019	PHED	3	08.04.2022	Complying
61	8 MLD STP at Bhuna, Fatehabad	PHED	8		Complying
62	10 MLD STP Majra, Fatehabad by HUDA in 16.12.17	HSVP	10	08.04.2022	Complying
Total No. of STPs- 62			535		

Status of existing STPs in the catchment of river Yamuna

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
Yamuna Nagar					
1	Radaur Road, Yamuna Nagar by PHED	PHED	20	15.04.2022	Complying
2	Radaur Road, Yamuna Nagar by PHED	PHED	25	15.04.2022	Complying
3	Baddimajra, Yamuna Nagar by PHED*	PHED	10	15.04.2022	Complying
4	Baddimajra, Yamuna Nagar by PHED*	PHED	10		Complying
5	Parwaloo, Jagadhri Yamuna Nagar by PHED	PHED	24	22.04.2022	Complying
6	Chhachhrauli Yamuna Nagar by PHED	PHED	3	15.04.2022	Complying
7	Radaur Yamuna Nagar by PHED	PHED	3.5	15.04.2022	Complying
Ladwa, Kurukshetra					
8	Indri Road, Ladwa Kurukshetra by PHED	PHED	7	14.04.2022	Complying
Karnal					
9	Indri, Karnal by PHED*	PHED	4	15.04.2022	Complying
10	Nilokheri, Karnal by PHED	PHED	6	15.04.2022	Non-Complying
11	Nissing Karnal by PHED	PHED	4	16.04.2022	Complying
12	Tarori Karnal by PHED	PHED	5.5	15.04.2022	Complying
13	Gharaunda, Karnal by PHED	PHED	7	11.03.2022	Complying
14	Gogharipur Road, karnal by ULB	ULBD	10	11.04.2022	Complying
15	RK Puram, Karnal by ULB	ULBD	8	11.04.2022	Complying
16	Transport Nagar, Karnal by ULB*	ULBD	50	11.04.2022	Complying
Panipat					
17	Sewah, Panipat by PHED	PHED	35	25.04.2022	Complying except Faecal Coliform
18	Sewah, Panipat Panipat by PHED	PHED	25	25.04.2022	Complying except Faecal Coliform
19	Jattal Road, Panipat by PHED	PHED	20	25.04.2022	Complying
20	Jattal Road, Panipat by PHED	PHED	10	25.04.2022	Complying
21	Samalkha, Panipat by PHED	PHED	5	25.04.2022	Non Complying
22	Sec-19, Panipat by HSVP	HSVP	30	25.04.2022	Complying
23	Sec-6, Panipat by HSVP	HSVP	0.8	25.04.2022	Complying except Faecal Coliform
Sonepat					
24	Kharkhoda Sonepat by PHED	PHED	4.5	28.04.2022	Non Complying
25	Ganaur Sonepat	PHED	7	28.04.2022	Non Complying
26	Gohana Sonepat by PHED	PHED	3	28.04.2022	Non Complying
27	Gohana Sonepat by PHED	PHED	8.3	28.04.2022	Non Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
28	Rathdana Road, Sonapat by ULB	ULBD	30	28.04.2022	Complying
29	Kakroi Road, Sonapat by ULB	ULBD	25	28.04.2022	Complying
30	Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP	HSVP	7.5	28.04.2022	Complying
Rohtak					
31	PGI Rohtak by PHED	PHED	19.5	29.04.2022	Complying
32	Sonaria, Rohtak by PHED	PHED	40	29.04.2022	Non-complying
33	Kalanaur Rohtak by PHED	PHED	3.5	29.04.2022	Non-complying
34	Meham Rohtak by PHED	PHED	5	29.04.2022	Non-complying
35	Singhpura, Rohtak by PHED	PHED	14	29.04.2022	Complying
36	Sampla Rohtak by PHED	PHED	4	29.04.2022	Non-complying
37	Sec-25, Rohtak by HSVP	HSVP	10	30.10.2021	Non-complying
38	Singhpura, Rohtak by ULB*		10		Non Complying (Under Maintenance)
Jhajjar					
39	Jhajjar by PHED	PHED	5	29.04.2022	Non-complying
40	Jhajjar by PHED	PHED	5.5	29.04.2022	Non-complying
41	Beri Jhajjar by PHED	PHED	2	15.02.2021	Complying except Faecal Coliform
42	Line Par, Bahadurgarh by PHED	PHED	18	29.04.2022	Non-complying
43	Najafgarh road Bahadurgarh by PHED	PHED	36	29.04.2022	Non-complying
44	Sec-36, Bahadurgarh by HSVP	HSVP	10	29.04.2022	Non-complying
Nuh					
45	Tarou by PHED	PHED	4.5	07.04.2022	Non Complying
46	Punhana by PHED	PHED	4.5	07.04.2022	Non Complying
47	Nuh by PHED	PHED	3.6	30.04.2022	Non Complying
48	Ferozpur Jhirka by PHED	PHED	5	07.04.2022	Non Complying
Palwal					
49	Hathin by PHED	PHED	4.5	07.04.2022	Non Complying
50	Hodal by PHED	PHED	9	07.04.2022	Non Complying
51	Palwal by PHED	PHED	9	07.04.2022	Non Complying
52	Hassanpur by PHED	PHED	3	07.04.2022	Non Complying
Faridabad					
53	Badshahpur, Faridabad by	ULBD	45	07.04.2022	Non-Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
	ULB				
54	Faridabad by HSVP	HSVP	7.5		Complying
Gurugram					
55	Dhanwapur, Gurgaon by GMDA	GMDA	50	29.04.2022	Non-Complying
56	Dhanwapur, Gurgaon by GMDA	GMDA	68	29.04.2022	Complying
57	Behrampur, Gurgaon by GMDA	GMDA	120	04.04.2022	Complying
58	Behrampur, Gurgaon by GMDA	GMDA	50	04.04.2022	Complying
59	Dhanwapur, Gurgaon by GMDA	GMDA	100	29.04.2022	Non-Complying
	Total		1074.2		

Status of existing STPs in the catchment of other catchment

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Gurugram					
1	Sohna, Gurgaon	PHED	6	29.03.2022	Non-Complying
2	Pataudi, Gurgaon	PHED	4.5	04.04.2022	Complying
3	Farrukhnagar, Gurgaon	PHED	3	04.04.2022	Non-Complying
4	Haily Mandi, Gurgaon	PHED	5.5	04.04.2022	Complying except Faecal Coliform
Jind					
5	Julana, Jind	PHED	4	28.04.2022	Non-Complying
Bhiwani					
6	Dhana Road, Bhiwani	PHED	10	29.03.2022	Non-Complying
7	Bhiwani	PHED	10	29.12.2021	Non-Complying
8	Bhiwani, Phase-I	PHED	15	29.03.2022	Complying
9	Bhiwani, Phase-II	PHED	15	29.03.2022	Complying
10	Charkhi Dadri, Bhiwani	PHED	5	31.03.2022	Non-Complying
11	Chirya Road, Charkhi Dadri, Bhiwani	PHED	5	31.03.2022	Non-Complying
12	Bawani Khera, Bhiwani	PHED	4.5	29.03.2022	Non-Complying
13	Loharu, Bhiwani	PHED	3.5	31.03.2022	Non-Complying
14	Tosham, Bhiwani	PHED	3	29.03.2022	Complying
15	Siwani, Bhiwani	PHED	4	31.03.2022	Non-Complying
16	Bhiwani	HSVP	10	29.03.2022	Complying
Mohindergarh					
17	Mohindergarh	PHED	6.5	30.03.2022	Complying
18	Ateli Mandi, Mohindergarh	PHED	2	30.03.2022	Complying
19	Kanina, Mohindergarh	PHED	3	30.03.2022	Complying
20	Rewari Road, Narnaul, Mohindergarh	PHED	7.5	30.03.2022	Non-Complying
21	Near Chinkara Rest House, Rewari Road, Narnaul	MC	6		Non-Operational and effluent being treated in 7.5 MLD STP Narnaul
Rewari					
22	Bawal, Rewari	PHED	3	30.03.2022	Complying except Faecal Coliform
23	Rewari	PHED	6.5	31.03.2022	Non-Complying
24	Rewari	PHED	8	31.03.2022	Non-Complying
25	Rewari	PHED	16	31.03.2022	Non-Complying
26	Dharuhera	PHED	9.5	31.03.2022	Non-Complying
27	Kosli, Rewari	PHED	3	31.03.2022	Non-Complying
28	Dharuhera	HSVP	5	31.03.2022	Non-Complying
Ambala					
29	Barara, Ambala	PHED	4	29.03.2022	Complying

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Karnal					
30	Assandh, Karnal	PHED	5	16.04.2022	Complying
Hisar					
31	Hansi, Hisar	PHED	6.5	04.04.2022	Non-Complying
32	Dhani Gram, Barwala, Hisar	PHED	6	04.04.2022	Non-Complying
33	Uklana, Hisar	PHED	6.5	04.04.2022	Non-Complying
34	Dhani Kushal, Bhiwani Road, Hansi	PHED	5	04.04.2022	Non-Complying
35	Lalpura- Jind Road, Hansi	PHED	7.5	05.04.2022	Non-Complying
Total -35			225		

13 Clusters of ISWM in river catchment

Sr. No.	Cluster	ULBs clusters within	Plant Capacity (TPD)	Project Status
1	Sonepat-Panipat	Sonepat, Panipat, Gannaur, Samalkha	700	Waste to Energy Plant has been commissioned on 16.08.2021.
2	Faridabad-Gurugram	Faridabad, Gurugram	2100	- Project is awarded to M/s Ecogreen Energy Gurugram Faridabad Pvt. Ltd. on 14.07.2017. - Environment Clearance has been granted by MoEF&CC on 01.11.2019. - The work of construction of plant is likely to be started soon.
3	Bhiwani	Bhiwani, BawaniKhera, CharkhiDadri, Loharu, Badhra	155	- Bids were invited for Bhiwani&Sirsa cluster on 07.06.2021 with bid due date on 22.07.2021. - Two bids were received in both clusters and only single bidder in each cluster has qualified in Technical evaluation. - A Meeting of CCI was held on 14.10.2021 in which it was decided to plan before COSI. It will be placed on 07.06.2022.
4	Sirsa	Sirsa, Rania, Ellenabad, Kalanwali, MandiDabwali	168	Now CCI has decided that the bids may be finalized by the CoSI. The meeting of CoSI for final decision is likely to be scheduled shortly.
5	Ambala-Yamunanagar	Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura	675	- Bids are invited for Ambala-Yamunanagar cluster on 25.08.2021. Pre-bid Meeting was conducted on 07.09.2021 and re-conducted as per directions of CCI meeting on 10.11.2021. No bid received. - New bid will be uploaded.
6	Karnal-Kaithal-Thanesar	Indri, NilokheriTarori, KarnalGharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat, Rajound, Cheeka, Pundri	638	One bid is under technical evaluation.
7	Panchkula	Panchkula and Kalka	280	One bid is under technical evaluation.
8	Rohtak-Bahadurgarh-Jhajjar	Kalanaur, Meham, Rohtak, Gohana, Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri	628	New bid will be uploaded.
9	Jind	Jind, Narwana,	181	Tenders will be invited after

Sr. No.	Cluster	ULBs clusters within	Plant Capacity (TPD)	Project Status
		Safidon, Uchana, Narnaund, Sisai, Bass		finalization of earlier invited tenders.
10	Rewari	Bawal, Dharuhera, Rewari, Mahendergarh, Kanina	407	
11	Hisar-Fatehabad	Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, UklanaMandi, Ratia, Tohana, JhakaMandi	432	
12	Punhana	Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh, Tauru	466	
13	Faruknagar	Farukh Nagar, HailyMandi, Pataudi	26	
Total			6856	

Details of Dump Site

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
1	Hisar	Opp. Village Dhandoor	13.32	4.01	1.3	9 years	
2	Gurugram	Village Bandhwari Gurgaon Faridabad Road	30	Approx 40.00	27.5 (approx)	2008 onwards	Bandhwari dumpsite was establised and operated by MC Faridabad through its contractor i.e AKC Developers and operated till 2014. further in year 2017 M/s Ecogreen was enagaged for collection, transportation of MSW for MCG & MCF)Faridabad & Gurugram Cluser) and possession of bandwari site is with them since 2019
3	Ambala city	VPO Patvi, Teh. Naraingarh	14	height-6 Mtr Depth-4 Mtr	6		
4	Panipat	Near Village Nimbri, Distt. Panipat	8	2	5	2014	-
5	Sirsa	Village Bakirawali SWM Plant	13	11	4	14 Years	
6	Panchkula	Nera IT Park Sector-23 Panchkula	10.5	4	3.96	14 Year's (2004 onwards dumping started)	
7	Rohtak	Near SWM plant, Drain No. 8,Bhiwani Road, Village Sunarian, Rohtak Ward NO. 22	10	4	3.95	2010	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
8	Bahadurgarh	NayaGaon, Badli Road	7.2	3	3.2	Since 2004	
9	Yamunanagar-Jagadhri	KailKachra Plant	12	2.5	1.76 Approx	21.12.2012 to 14.12.2013 (Plant is not working from 14.12.2013 to till date.)	-
10	Jind	Near Delhi Ferozpur Railway Line	18.12	2.13	1	1996	
11	Shahabad (M).	Village Kalyana	0.48	4.9	0.11	19.12.2018	Land on lease basis.
12	Narnaul	Raghunathpura	16	15	0.59	Since 2001	
13	Safidon	Near Assandh By Pass back of New Grain Market Safidon	0.06	0.9	0.006	Since Sep-2019	
14	Ratia	JakhalDadi Road	4	1	0.11	2017	area covered 30 %
15	Rania	BalasarRaod, Back Side NirankariBhawan, Ward No. 02, Rania.	3.3	2.1	0.14	Year 2018	10 Feet Depth of the Site
16	Rajound	Gas Agency Road, Ward 03 Rajound	0.14	1	0.002	43718	-
17	Radaur	SK Road Radaur	1	-	0.003	09.02.2016	-
18	Palwal	Meghpur Village	1.48	Height= 1.25 Mtr. Depth=2.10 Mtr. Total= 3.35 Mtr.	0.12	Year 2017	
19	Nilokheri	Kali Mata Mandir Road	2	2.33	0.18	Approximately 8-10 Year	
20	NangalChaudhary	Near Krishnawati	0.7	0.9	0.015	Since 2013	-

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		River Nangal Chaudhary					
21	Meham	Hisar Bye Pass, Mehama	1.48	3.25	0.087	2013	
22	Ladwa	On Babain Road	6.26	1.5	0.001	43800	-
	Kanina	PiplaWaliBani (Gahra Road)	25	1.5	0.068	2010	
23	Kanina	MankaWaliBani (Sihor Road)	8	1.5	0.034	2009	
24	Julana	Near HadwaraJulana	1	6	0.05	25.11.2019	-
25	Faridabad	Bandhwari Dumpsite is Common Dumpsite for MCG and MCF.					
26	Gharaunda	Begampur	1.19	10	0.23	Oct. 2019	
27	FerozpurJhirka	DoodhGhati	1	NIL	0.2	2006	-
28	Fatehabad	Bigbar Road, Village Matana, Fatehabad	1.5	2	0.46	2014	
29	Farrukh Nagar	Chand Nagar Road, Ward no. 11, Farrukhnagar	3.73	1.22	0.11	Last 10 years	Presently stay by Hon'ble Court as this dumping site
			0.18	1.83	0.082	Last 6 month	Used as Temporary dumping site due to stay at main dumping site on Chand Nagar Road, Ward No. 11, Farrukhnagar.
30	Ellenbad	Temporary Dumpsite in Hudda R-3	2.25	2.43	0.12	From Last 2 Years	-
31	Assandh	Near Kanchi gate Kaithal road Assandh	1.38	4.57	0.15	Since 2004	-
32	CharkhiDadri	Rania WalaJohar, Near BhiwaniRohtak Bye pass	4	3	0.26	Year 2006	
33	Gohana	VilalgeThaska	4.7	5.5	0.42	2011	
34	HailyMandi	Near Mirzapur Road, W. No. 7	2.49	2.43	0.00028	11.03.2020	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		HailyMandi					
35	Indri	Indri Bypass Road	1.2	1	0.03	5-8 Years	
36	Kaithal	Khurana Road	5	2.43	0.8	41426	
37	Kharkhoda	Sampla Road Bye pass	2	1.22	0.24	Approx 25 Years	
38	Narnaund	Near ShanshanGhat W. No. 4	1.4	1	0.028	2001	
39	Nuh	Jogipur Road, Nuh town, Near Vijay Gas Agency	3.7	NIL	0.16	2011	
40	Pataudi	Ward No. 10 MotiDungri	2	2.85	0.11	Approximately from year 2000	-
41	Pehowa	KKR Road	2	0.5	0.008	Since 2018	
42	Rewari	RamsinghpuraBawal	12	Varies from average1.22 mtr to average3.20 mtr		0.6	Since 2005
43	Bawal	There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera.					
44	Dharuhera	There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera.					
45	Sohna	Old Delhi Alwar Road BehindNirankari College Sohna	5	2.00-2.25	0.51	2010	
	Taraori	Nadana road near electricity power house M.C Taraori	0.22	3.5	0.0315	Approx 8-10 Years	
		Nadana road near					

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (inMtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
46	Taraori	electricity power house M.C Taraori	0.11	3.5	0.0157	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.19	3.5	0.02625	Approx 8-10 Years	
		Nadana road near electricity power house M.C Taraori	0.15	1	0.006	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.33	4	0.054	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.08	3.5	0.0126		
		Nadana road near electricity power house M.C Taraori					
47	Nissing	Near Mata SundriKhalsa Girls College Karnal-Kaithal Road	2	3	0.15	This Dumpsite is under operation since the time of Gram Panchayatnissing	Municipal Nissing was constituted in the year 2010, but this dumpsite is in operation from the time of gram panchayat.
48	Hodal	Gadhi Mod, Hodal	2	1	0.04		
49	Siwani	Tosham Road	2.3	1.2	0.07	SINCE LAST 7-8 YEARS	
50	Tauru	BurakhaPahadi	1	3.5	0.35	2009	
51	Ganaur	Badshahi Road, Near Telephone Exchange, Ganaur.	4.4	4.5	0.25	18 YEARS APPROX.	
52	Kalanwali	Dadu Road, Ward No. 10	2	below ground level	0.0328	30 years.	
53	Mahendergarh	DohanNadi	4	1.5	0.12138	since 4 years	
54	Narwana		2	4.5	Not estimated	since 1987	
55	Hathin		NA	NA	NIL	NA	There is no permanent landfill site in MC Hathin.
56	JakhalMandi	Balran Road	0.55	7	0.00015	20.01.2020	
57	Jhajjar	Village	8.6	1.5	0.01818	since 2017	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		UtlondhaDistt. Jhajjar					
58	Karnal	Village Sekhpura, Karnal	8	6	0.714	41944	
59	Sadaura	Kala Amb Road Near ITI	2.5	-	-		
60	Naraingarh	There is no dumpsite in MC, Naraingarh. All the Solid waste, garbage of MC Naraingarh is transported to Patvi dumpsite of Ambala City.					
61	Ambalasadar	There is no dumpsite in MC, Ambalasadar. All the Solid waste, garbage of MC AmbalaSadar is transported to Patvi dumpsite of Ambala City.					
62	Pundri	Near kakaut Road	1	NIL	0.0002	27.03.2020	
63	Sampla	MC, Sampla sent all solid waste to SWM Plant Rohtak.					
64	Kalanaur	MC, Kalanaur sent all solid waste to SWM Plant Rohtak.					
65	Kundli	On Narela Road	1	below ground level	0.00008	42095	
66	Bhiwani	Dadri Road, Bhiwani	10	2.00-3.00	0.22403	Since the existence of MC.	
67	Hansi	Near biid Farm	2	5 feet height and 5 feet deep			
68	Ismailabad	pehowa-ismailabad-ambala link road opposite reliance petrol pump	1	--	0.005	since 2008	
69	Samalkha	GarhiChhaju	0.22	4.95	0.28239	27.02.2008	
70	Tohana	Baba Buta shah Basti	1	3 mtr deep from the ground	0.1	2019	
71	Thanesar	village bazidpur near pipli zoo	4	1.91	0.008	2019	
72	MandiDabwali	Near Rambagh	8	4.26 Av.	0.30684	2008 (12 Years)	
73	Bass	New Committee			0.003		
74	Sisai	New Committee			0.003		

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
75	Bhuna	Kula road, Bhuna	1.5	2	0.1	2012	
76	cheeka	Khrodi Road	1.5	4	0.392	2012	
77	Uchana	KheriMasaniya Road, Near kabristan, uchanaKalan	0.4	8	0.0578	06.01.2020	
78	Barara	Near sajanMajri Road	7	2.43	0.08737	since 2016	
79	Loharu	Pilani Road, Loharu	2	1.22	0.002	2006	
80	Kalayat	Kapil Muni Road, Ward No. 8 near shamshanghat, Kalayat	1.5	2.31	0.12	Jan, 2005	
81	BawaniKhera	Hansi-bhiwani main Road	4	1.22	0.009	from last 5 years	
82	Beri	Kabulpur road, near shiv dhamBeri.	0.5	0.25	0.006	Jan-20	
		BeriJhajgarh road near bhagalpuri chock Beri.	1	1	0.05475	Till March 18	
83	Sonepat	Murthal bye pass (Near DCRUST University)	5	0	0.5	Since 2017	
84	Punhana	Mandikhera, Jamalgarg Road	0.5	0	0.2	Since 2009	
85	AteliMandi	Village Khor	1	1	0.01942	2018	
86	Barwala	Kharkhra Road, Barwala	1.75	1.2	0.0052	Since 2018	
87	UklanaMandi	ThehUklana	2	1.2	0.006	Since 2017	

Annexure-6

Details on Captive TSDF(s)

Period: 2019-20

Name of SPCB/PCC:- HSPCB

Sr. No	Name and address of the Captive Facility	Type of facility (Landfillable/ Incinerable/ both)	Capacity		HW disposed during the year (MT)		Cumulative HW disposed till the end of financial year (MT)	
			Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
1	M/S Panipat Refinery ,IOCL Panipat	Landfillable	0	2500	1464.5	0	15964.5	0
2	M/s Crystal Crop. Protection Pvt. Ltd. (Unit-II) (Tech. Plant) , Vill. Nathupur, Sonapat.	Incinerable	0.05	0	--	0.005	--	42.805
3	M/s Indogulf Cropsciences Ltd., (Jai Shree Rasayan Udyog Ltd.), (new unit Tech. Plant) , Vill. Nathupur, Sonapat	Incinerable	0.05	0	--	4.62	--	50.62
4	M/s Marino panel Products Ltd., vpo rohad, Jhajjar	Incinerable	15	Nil	Nil	85.6	Nil	Nil

Annexure-7

MI Project under NABARD (1st Phase)

Sr. No	Name and Address of STP	Deptt.	Capacity (MLD)	Flow of Inlet (In MLD)	Treated Effluent (In MLD)	Quantum of Treated effluent being reused (In MLD)	Mode of reuse (Irrigation / horticulture /Industrial use / any other)	CCA (Hectares)	App. Cost (CCA in ha*2.10 lacs) otherwise actual	Status
1.	Barara SBR Technology Ambala	PHED (SBR)	6.00	To be filled by PHED	4.00	2.00	Irrigation	546	1146.60	AA received from Govt. on 22.04.2021. Tenders approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 31.12.2022
2.	Naraingarh - MBBR Ambala	PHED (MBR)	5.00	To be filled by PHED	3.00	1.40-1.70	Irrigation			AA received from Govt. on 26.04.2021. Tenders approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 31.12.2022
3.	Hisar Lalpura Road Hansi- MBBR	PHED	7.50	To be filled by PHED	7.50	6.00	Irrigation	372	781.20	Hearing completed. AA for Rs 1349.00 lacs recd from Govt. on 25.10.2021 Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
4.	Narnaund-Hisar	PHED	4.00	To be filled by PHED	4.00	2.00	Irrigation	198	415.80	Hearing completed. AA received from Govt. for Rs 4.44 Cr. on 11.10.2021. Estimate appd. Tender under process Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023

5.	Rishi Nagar-Hisar	PHED	40.00	To be filled by PHED	40.00	25.00	Irrigation	2569	5394.18	Administrative Approval received on 28.04.2021. Estimate under preparation Date of start-01.06.2022 Date of completion 30.12.2023
6.	Gulha Cheeka SBR Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation	794	1667.40	Hearing completed. AA received from Govt for Rs 10.25 Cr on 11.10.2021. Estimate appd. Tenders opened and under process Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
7.	Jind Road, Kaithal KTL drain SBR-Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation			Hearing completed AA for Rs 1372.97 lacs received from Govt on 20.10.2021. Estimate appd. Tenders under process. Likely Date of Start- 01.5.2022 Likely Date of Completion- 30.06.2023
8.	Majra, -MBBR Fatehabad	PHED	10.00	To be filled by PHED	10.00	7.50	Irrigation	496	1041.60	Hearing completed. AA received from Govt. Tender opened on 29.01.2022 and under process Likely Date of Start- 01.05.2022 Likely Date of Completion- 30.06.2023
9.	Village Amani, Tohana-MBBR Fatehabad	PHED	10.00	To be filled by PHED	10.00	7.50	Irrigation	496	1079.32	AA accorded by Govt. on 11.02.2021. Tender approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
10.	Jakhal-SBR Fatehabad	PHED	3.00	To be filled by PHED	3.00	2.25	Irrigation	149	343.59	AA received from Govt. on 14.01.2021. Tender appd, work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
11.	Ratia - MBBRFatehabad	PHED	6.50	To be filled by PHED	6.50	4.88	Irrigation	323	739.42	AA received from Govt.on 11.02.2021. Tender approved and work to start shortly. Likely Date of Start- 01.04.2022

										Likely Date of Completion- 30.06.2023
12.	Kalka -MBBR Panchkula	PHED	4.75	To be filled by PHED	4.75	3.25	Irrigation	250+250 = 500	1518.00	AA received from Govt. on 22.04.2021. However, it has been observed during final survey that the project is not feasible
13.	Nalagarh Road, Manakpur, Pinjore -MBBR Panchkula	PHED	5.00	To be filled by PHED	5.00	1.50-2.00	Irrigation			AA received from Govt. on 22.04.2021. Estimate under checking. Likely Date of Start- 01.06.22 Likely Date of Completion- 30.06.23
14.	STP Jind-MBBR Jind	PHED	15.00	To be filled by PHED	15.00	-	Irrigation	992	2083.20	AA received. Estimate is under checking. Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
15	STP Narwana MBBR Jind	PHED	5.00	To be filled by PHED	5.00	3.75	Irrigation			Hearing completed. Not Feasible. More than 80% Farmers did not agree.
	Total		141.75					7435.00	16210.31	

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No.
673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Haryana
Upto May, 2022

Overall status of the State:

I. Total Population: Urban Population & Rural Population

- ✓ Ghaggar catchment
Population – 26.9 lacs
- Yamuna catchment
Population – 73.4 lacs
- ❖ Other areas-
Population- 10.8 lacs

II. Estimated Sewage Generation (MLD):

- ✓ Ghaggar catchment
291.46 MLD sewage generation
- Yamuna catchment
1086 MLD sewage generation
- ❖ Other areas
117.5 MLD

III. Details of Sewage Treatment Plant:

• Existing no. of STPs and Treatment Capacity (in MLD):

- ✓ Ghaggar
62 STPs of treatment capacity of 535 MLD
- Yamuna
59 STPs of treatment capacity of 1074.2 MLD
- ❖ Other areas-
35 STPs of treatment capacity of 225 MLD.

• Capacity Utilization of existing STPs:

- ✓ Ghaggar
295.7 MLD effluent reaching STPs.
- Yamuna
1027.5 MLD effluent reaching STPs.

- ❖ Other areas-
131 MLD effluent reaching STPs.

- **MLD of sewage being treated through Alternate technology:**
NIL

- **Gap in Treatment Capacity in MLD:**

- **Yamuna**

There is Gap of 240.5 MLD in the installed treatment capacity at present in comparison to requirement i.e. sewage generation in some towns in catchment of river Yamuna i.e. Samalkha (0.56 MLD), Beri (0.15 MLD), Palwal (9.3 MLD), Faridabad (144.5 MLD) and Gurugram (86 MLD).

- **No. of Operational STPs:**

Ghaggar

There are total 62 STPs installed in the catchment of river Ghaggar with the capacity of 535 MLD. As per latest status, 22 STP is not meeting the prescribed parameters. The list is enclosed as **Annexure-1**.

Yamuna

There are total 59 STPs installed in the catchment of river Yamuna with the capacity of 1074 MLD. As per latest status, 26 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-2**.

Other Areas

There are total 35 STPs of 225 MLD capacity is installed in the other areas not following in the catchment of rivers. Out of these 20 STPs are not meeting the prescribed limits. The list is enclosed as **Annexure-3**.

Table- Details of town wise STPs in the State of Haryana is given as under:-

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
Ghaggar Catchment					
1	Naraingarh	3	1.7	Operational	Non Complying
2	Ambala	44	22.1	Operational	3 STPs are complying, 8 STPs are Non-Complying & 1 STP is Complying (3.25 MLD Naya Gaon, Unit-II, 5 MLD Baldev Nagar Unit-I , 3.25 MLD Unit-II, Baldev Nagar, 5 MLD Moti Nagar, Unit -1, 5 MLD Moti Nagar, Unit-II, 6 MLD Modal Town, 3.25 MLD Nasirpur, 2 MLD Urban Estate, Ambala and 3 MLD Devi Nagar)
3	Ratia	6.5	4.5	Operational	Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
4	Tohana	10	8.2	Operational	Non Complying
5	Jhakal Mandi	3	1.5	Operational	Complying
6	Fatehabad	33	14	Operational	4 STPs are complying
7	Hisar	82	50	Operational	4 STPs are complying and 1 STP is Non Complying (4 MLD Kaimri Road, Hisar)
8	Narnaund	4	2.15	Operational	Complying
9	Narwana	9.25	7.03	Operational	3 STPs Non-Complying (3.5 MLD Patiala Road, Narwana, 3.75 MLD Narwana and 2 MLD Dablain Road Narwana)
10	Uchana	3.5	2.75	Operational	2 STPs are Non complying
11	Jind	37	20	Operational	1 STP is Complying, 2 STPs are Non Complying in F. Coli and 1 STP is non-complying
12	Safidon	9	3.2	Operational	Complying
13	Cheeka	10	5.5	Operational	Complying
14	Kaithal	37.5	21.5	Operational	4 STPs are Complying
15	Kalayath	5	3.5	Operational	Complying
16	Pundri	3.5	3.25	Operational	Complying
17	Shahabad	11.5	6.5	Operational	Complying
18	Pehowa	8	5.5	Operational	Non Complying in F. Coli
19	Thanesar	40	18	Operational	2 STPs are Complying
20	Kalka	4.75	2.55	Operational	2 STPs are non-complying
21	Pinjore	5	3.5	Operational	Complying
22	Panchkula	81	34.74	Operational	1 STP Non-Complying in F. Coli. and 3 STPs are complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
23	Mandi Dabwali	16.5	13.5	Operational	Complying
24	Kalanwali	9.5	2.5	Operational	Complying
25	Sirsa	45	29.5	Operational	2 STPs are complying and 2 STPs Non-Complying (5 MLD Nattar 1, Sirsa and 5 MLD Nattar 2, Sirsa)
26	Rania	6	2.60	Operational	Complying
27	Ellenabad	7.5	6	Operational	Complying
Total		535	295.77		
Yamuna Catchment					
1	Jagadhri	24	18.5	Operational	Complying
2	Yamunanagar	65	43.70	Operational	4 STPs are Complying
3	Radaur	3.5	2	Operational	Complying
4	Chhachhrauli	3	1.75	Operational	Complying
5	Ladwa	7	5	Operational	Non-Complying
6	Nilokheri	6	3.5	Operational	Complying
7	Taraori	5.5	3.8	Operational	Complying
8	Indri	4	2.35	Operational	Complying
9	Karnal	68	59	Operational	3 STPs are Complying
10	Nissing	4	2.3	Operational	Complying
11	Gharaunda	7	4.7	Operational	Complying
12	Panipat	120.8	42	Operational	3 STPs Non Complying in F. Coli and 3 STPs are complying
13	Samalkha	5	4	Operational	Non-Complying
14	Gohana	11.3	8.72	Operational	2 STPs are Non-Complying
15	Ganaur	7	5.5	Operational	Non-Complying
16	Sonepat	62.5	48.3	Operational	3 STPs are Complying
17	Kharkhoda	4.5	2	Operational	Non-Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
18	Meham	5	2.65	Operational	Non Complying
19	Rohtak	93.5	49.7	Operational	2 STPs are Complying and 3 STPs are non-complying 40 MLD Sonaria, Rohtak, 10 MLD sector-25, Rohtak and 10 MLD Singhpura Rohtak)
20	Kalanaur	3.5	2.5	Operational	Non Complying
21	Sampla	4	2.66	Operational	Non Complying
22	Beri	2	1.72	Operational	Non Complying in F. Coli
23	Bahadurgarh	64	22.6	Operational	1 STP is complying , 1 STP is Non Complying in F. Coli and 1 STP is non-complying (18 MLD Line Par, Bahadurgarh)
24	Jhajjar	10.5	6.45	Operational	2 STPs are Non Complying
25	Taoru	4.5	2.6	Operational	Non-complying
26	Gurugram	388	474	Operational	3 STPs are complying and 2 STPs non-complying (100 MLD Dhanwapur, Gurugram and 50 MLD Dhanwapur, Gurugram).
27	Nuh	3.6	2.3	Operational	Non Complying
28	Ferozepur jhirka	5	2.45	Operational	Non Complying
29	Punhana	4.5	1.25	Operational	Non Complying
30	Faridabad	52.5	197	Operational	1 STP complying & 1 STP is non-complying (45 MLD Badshahpur, Faridabad)
31	Palwal	9	9	Operational	Non Complying
32	Hathin	4.5	2.08	Operational	Non Complying
33	Hassanpur	3	1.25	Operational	Non Complying
34	Hodal	9	4.6	Operational	Non Complying
Total		1074.2	1027.52		
Other STPs					
1	Sohna	6	4.5	Operational	Non Complying
2	Pataudi	4.5	2.7	Operational	Non Complying in F. Coli

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
3	Farrukhnagar	3	1.85	Operational	Non Complying in F. Coli
4	Haily Mandi	5.5	2.9	Operational	Non Complying in F. Coli
5	Julana	4	2.3	Operational	Non Complying
6	Dhana Road, Bhiwani	10		Operational	Non Complying
7	Bhiwani	10	38	Operational	Non Complying
8	Bhiwani	15		Operational	Complying
9	Bhiwani	15		Operational	Complying
10	Charkhi Dadri	5	6	Operational	Non Complying
11	Charkhi Dadri	5		Operational	Non Complying
12	Bawani Khera	4.5	2	Operational	Non Complying
13	Loharu	3.5	2	Operational	Non Complying
14	Tosham	3	1.62	Operational	Complying
15	Siwani	4	2.75	Operational	Non Complying
16	Mohindergarh	6.5	2.5	Operational	Complying
17	Ateli Mandi	2	1.16	Operational	Complying
18	Kanina	3	0.89	Operational	Complying
19	Rewari Road, Narnaul	7.5	5	Operational	Non Complying
20	Bawal	3	2	Operational	Non-complying in F. Coli
21	Rewari	6.5		Operational	Non Complying
22	Rewari	8		Operational	Non Complying
23	Rewari	16	20	Operational	Non Complying in F. Coli
24	Dharuhera	9.5	4	Operational	Non Complying in F. Coli
25	Kosli	3	2	Operational	Non Complying
26	Barara	4	2.34	Operational	Complying
27	Assandh	5	3.80	Operational	Complying
28	Hansi	6.5	13	Operational	Non Complying
29	Dhani Gram, Barwala	6	4.5	Operational	Non Complying
30	Uklana	6.5	3.5	Operational	Complying
31	Dhani Kushal, Bhiwani Road, Hansi	5		Operational	Non Complying
32	Lalpura- Jind Road, Hansi	7.5		Operational	Non Complying
33	Bhiwani	10		Operational	Complying
34	Dharuhera	5		Operational	Non Complying in F. Coli
35	Near Chinkara Rest House, Rewari Road, Narnaul	6		Operational	Non Complying in F. Coli

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
Total		225	131.31		

Details of under construction STPs in the State

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
Ghaggar Catchment					
1	12 Cross Road, Ambala	12	35%	215311 House sewer connections provided in the Ghaggar Catchment.	31.01.2023
2	Khuda Khurd, Ambala	12	40%		31.01.2023
3	Babyal	10	95%		31.12.2022
4	Shahpur Machhonda	7.5	68%		31.12.2022
5	Saketri-STP	1.5	96%		31.08.2022
6	Uchana	2	95%		30.06.2022
7	Ramgarh, Panchkula	1	96%		31.08.2022
8	Hisar	15	35%		30.09.2022
	Total	55.75			
Yamuna Catchment					
1	Shiv Colony, Karnal	8	91%	195520 House sewer connections provided in the Yamuna Catchment.	31.08.2022
2	Phooshgarh, Karnal	20	92%		31.08.2022
3	Peer Bodhi, Rohak	15	75%		31.12.2022
4	Faridabad, sector-21	10	75%		30.11.2022
5	Kithwari	10	71%		30.09.2022
6	Jodhpur Road, Palwal	15	73%		30.09.2022
7	Ferozpur, Palwal	2.5	76%		30.09.2022
8	Sonepat (Aterna)	15	68%		31.12.2022
9	Murthal Sonepat	3	40%		31.12.2022
10	Jhazgarh	20	37%		30.09.2022
11	Bajghera	2	21%		31.12.2022
12	Rohtak	10	93%		31.08.2022
13	Mirjapur, Faridabad	80	40%		30.11.2022
14	Partapgarh, Faridabad	100	43%		30.11.2022
15	Faridabad	30	80%		30.06.2022

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
16	Beri	2	100%		31.03.2022
17	Dev Colony, Panipat	15	40%		31.01.2023
18	Barsat Road, Panipat	25	35%		31.01.2023
	Total	382.5			

Details of proposed STPs in the State

Sr. No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
Ghaggar Catchment				
1	Sector-32, Ambala Cantt.	5	Sewage is lifted to the existing 2 MLD STP of HSVP in Ambala.	31.12.2027
2	Naraingarh, Ambala	1	Sewage is lifted to the existing STP of PHED in Naraingarh.	31.12.2024
3	Pinjore, Panchkula	8	No discharge yet.	31.12.2027
4	Jind	5	The existing 10 MLD STP is sufficient.	31.12.2027
5	Hansi	5	Present discharge, though very little, is being treated in existing STP.	31.12.2027
6	Hisar	10	Sewage is lifted to the existing 15 MLD STP of HSVP in Hisar.	31.12.2024
7	Hisar	5	No discharge yet.	31.12.2026
	Total	39		
Yamuna Catchment				
1	Manesar and Naharpur Kasan, Gurugram	25	Under tendering process.	31.12.2022

IV. Details of Industrial Pollution:

Sr. No.	River stretch	No. of industries	Quantum of effluent generated (in MLD)	No. of industries having ETPs	No. of industries connected to CETPs
1	Yamuna	3505	121.11	3505	814
2	Ghaggar	212	5.2	212	28
	Total	3717	126.31	3717	842

- Number and total capacity of CETPs (details of existing/ under construction / proposed)

Sr. No.	River stretch	Existing CETPs		Under construction CETPs		Proposed CETPs	
		No.	Capacity (in MLD)	No.	Capacity (in MLD)	No.	Capacity (in MLD)

Sr. No.	River stretch	Existing CETPs		Under construction CETPs		Proposed CETPs	
		No.	Capacity (in MLD)	No.	Capacity (in MLD)	No.	Capacity (in MLD)
1	Yamuna	14	161.5	3	19	5	145.5
2	Ghaggar	4	6.1	2	3	0	0
3	Other Areas	1	22.5	0	0	0	0
	Total	19	190.1	5	22	5	145.5

- **Status of compliance and operation of the CETPs.**
Ghaggar Catchment

Town	No. of industries	Industrial Discharge (in MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Naraingarh	10	0.002	All units have Installed ETPs	0
Ambala	69	1.2		Existing – 2 CETP of 5.5 MLD capacity are complying as per latest A/Rs
Jind	No industry in catchment of river/drains of Ghaggar	0		Existing - 1 CETP of 0.1 MLD capacity is complying. Under construction -1 CETP of 1.5 MLD capacity.
Shahbad	4	0.001		0
Pehowa	3	3.4		0
Kurukshetra	26	0.036		0
Kalka	8	0.01		0
Barwala	10	0.07		Existing - 1 CETP of 0.5 MLD capacity and the same is complying as per latest A/R
Panchkula	82	0.5		0
Sirsa	0	0		Under construction - 1 CETP of 1.5 MLD capacity.
Total	212	5.2		

Yamuna Catchment

Town	No. of industries	Industrial Discharge (In MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Jagadhri/ Yamunanagar	207	18.4	All units have Installed ETPs	Under construction -1 CETP of 3 MLD capacity
Karnal	341	18.4		0
Panipat	286	24.3		Existing - 3 CETPs are all complying.
Sonepat	789	21.8		Existing - 4 CETPs of 25.2, all are complying. Under construction - 1 CETP of 6 capacity.
Rohtak	89	1.4		Existing - 2 CETPs of 13 (1 CETP of 3 MLD is under trial run and the other CETP of 10

Town	No. of industries	Industrial Discharge (In MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
				MLD at IMT Rohtak is complying)
Jhajjar	311	5.4		Existing- 1 CETP of 12.5 MLD and the same is complying. Under Construction- 1 CETP of 10 MLD capacity
Gurugram	775	13.27		Existing- 2 CETPs of 55.2 MLD and are complying. Proposed- 3 CETPs of 30.5 MLD capacity.
Nuh	39	1.5		0
Palwal	76	7.7		0
Faridabad	592	8.94		Existing- 2 CETPs of 11.1 MLD are complying. Proposed- 2 CETPs of 115 capacity.
Total	3505	121.11		

The list is enclosed as under:-

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
River Yamuna					
1	IE Rai, Sonapat	5	HSI IDC	5599 dt. 09.06.2022	Complying
2	IE Barhi, Sonapat	16	HSI IDC	5212 dt. 13.05.2022	Non-Complying
3	IE Kundli, Sonapat	4	HSI IDC	5600 dt. 09.06.2022	Complying
4	IE Murthal, Sonapat	0.2	HSI IDC	5211 dt. 13.05.2022	Complying
5	IMT Rohtak	10	HSI IDC	5587 dt. 08.06.2022	Complying
6	IE Kutana, Rohtak	3	HSI IDC	Under trial run	
7	IE Panipat Refinery Complex, Panipat	2.5	HSI IDC	Could not be functional, due to Non availability of sufficient effluent	
8	HSI IDC Sector 16-17, Bahadurgarh	12.5	HSI IDC	5594 dt. 08.06.2022	Complying
9	IMT faridabad	10.5	HSI IDC	5299 dt. 19.05.2022	Complying
10	IMT Manesar, Gurugram	55	HSI IDC	5441 dt. 27.05.2022	Complying
11	Sector-29, Unit-I, Panipat	21	HSVP	5533 dt. 06.05.2022	Complying
12	Sector-29, Unit-II, Panipat	21	HSVP	5334 dt. 06.05.2022	Complying

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
13	Faridabad Electroplaters Association	0.6	Private	5295 dt. 19.05.2022	Complying
14	Industrial Area, Sector-37, Gurugram	0.2	Private	1179-1180 dt. 09.12.2021	Complying
River Ghaggar					
15	IE Barwala, Panchkula	0.5	HSI IDC	5461 dt. 29.05.2022	Complying
16	Ambala Cantt.	0.5	HSI IDC	5565 dt. 07.06.2022	Complying
17	Saha, Ambala	5	HSI IDC	5564 dt. 07.06.2022	Complying
18	I. E. Jind	0.1	HSI IDC	5625 dt. 10.06.2022	Complying
Other areas					
19	IMT Bawal, Rewari	22.5	HSI IDC	4787 dt. 08.04.2022	Complying
	Total capacity	190.1			

V. Solid Waste Management:

- Total number of Urban Local Bodies and their Population.**

There are 93 Municipalities in the State out of which MC, Manesar, Mandi Adampur, Badhda, Seewan have been recently notified as Municipalities. As per data submitted by ULBD, Solid Waste Management 5600 TPD is daily generation of Municipal Solid Waste and the population of all Municipalities is 1,02,99,000 as per Census 2011.

- Current Municipal Solid Waste Generation.**

As per data submitted by ULBD, Solid Waste Management 5600 TPD is daily generation. following brief status regarding management of Solid Waste in ULBs is as under:-

SWM Activities in State	Quantity
Total No. of Wards	1642
Quantity of Solid Waste	5600 TPD
No. of wards with 100% Door to Door Collection	1625
No. of wards where segregation is initiated	1558
Quantity of Wet waste	3048 TPD
Quantity of dry waste	2285 TPD
Quantity of wet waste being processed	1950 TPD
Quantity of dry waste being processed	1775 TPD
No. of vehicles for D2D collection	4280
No. of vehicle with Compartment	3056
No. of vehicles with GPS	2969
No. of GVPs Identified	851
No. of BWG identified	2022
No. of BWG processing on site	1312
No. of Solid Waste Challan collected in last three months	Total 1550 challan of amounting Rs. 22,07,050/-
No. of Plastic Waste Challan collected in last three months	Total 1840 challan of amounting Rs. 19,03,750

As per report submitted by ULBD, there are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (175 TPD), Karnal (150 TPD) & Sirsa (25 TPD). Apart from the above, two Bio-Methanation plants are operational in Faridabad (5TPD) & Karnal (10 TPD). One no Bio-Gas plant of capacity 60 TPD is operational in Ambala.

Further, there Are 3125 no of compost pits having the capacity approx. 3500 TPD for processing of wet waste and horticulture waste in various MCs. In addition, approx.11208 household pits have been constructed to encourage the households for home composting in Ambala Sadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula & Rohtak.

For processing of dry waste 97 Material Recovery Facilities (MRF) has also been constructed various Municipalities

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.**

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Further, Waste to Energy Plant at ISWM Sonapat-Panipat Cluster of 700 TPD capacity has been commissioned on 16.08.2021. Approximate 8 MW electricity is being generated in this plant.

Work of Waste to Energy Plant (2330 TPD) in Gurugram-Faridabad is also under implementation. The door-to-door collection is being done. The construction work has not started.

- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

Integrated Centralized Waste Processing Approach (Cluster Wise) is being adopted as a long-term approach, with an overall objective to setup regional Waste to Energy, Waste to Compost + RDF processing facilities and Secured Sanitary landfills for scientific disposal of Solid Waste. This approach is more coveted considering the constraints posed by the decentralized approach and its sustainability over long run.

As part of this approach, total 13 Clusters have been formed covering all the 93 ULBs of Haryana. Also, under this approach the projects will be set up on PPP mode and single agency/concessionaire will be responsible for Door to Door Collection, transportation, processing and disposal of Solid Waste for a concession period of 22 years.

Currently 2 Waste to Energy Cluster Projects namely Sonapat-Panipat and Gurugram-Faridabad have been awarded and construction of Sonapat-Panipat Cluster (700 TPD) Waste to Energy project has been commissioned on 16.08.2021. The Environmental Clearance of Gurugram-Faridabad (2300 TPD) Waste to Energy Projects has been granted. The construction of the plant is likely to start soon. Once commissioned these two projects alone will cater to 13 approx. 40% processing of entire waste being generated in the state.

Remaining eleven (11) clusters are Open Technology Clusters. The details of 13 clusters are attached at **Annexure-4**.

- **Bioremediation of legacy waste lying at existing dump sites.**

Approximate 71.68 Lakh Metric Ton of legacy waste was lying at the dumping sites in Municipalities, out of which 67.64 lakh M.T. i.e. 94% of total quantity of the legacy waste is lying at 29 dumpsites in the State which also includes 33 lakh MT legacy waste at Bandhwari, Gurugram. The bio-remediation works at these 29 sites have been allotted to contractual agencies. Out of which work has been started at 23 sites and will be started very soon at other 06 sites. The remaining 4.04 lakh MT legacy waste is very small fractions of quantity lying at 47 dumpsites which will be also processed by adopting suitable technology. The detail of the same is as under:-

Status of bioremediation of legacy waste in the Municipalities of State of Haryana

Sr. No.	Name of MC	Estimated Quantity of legacy waste (In Lakh MT)	Estimated Cost as per agreement (in Crore)	Status of work	Quantity of waste processed upto 15.08.2021 (in MT)
1	Gurugram	33	--	Work in progress	1020158
2	Rohtak	5.2	25.67	work in Progress	435000
3	Ambala	6	35.73	Work in Progress	354957
4	Panchkula	3.96	37.5	Work in Progress	127556
5	Bahadurgarh	3.2	19.88	Work in Progress	83842
6	Narnaul	0.59	4.7	Work in Progress	59000
7	Kaithal	0.8	5.56	Work in Progress	60000
8	Gohana	0.42	2.68	Work in Progress	32532
9	Sirsa	0.45	3.44	Work in Progress	44530
10	Panipat	5	27.73	Work in Progress	68500
11	Palwal	0.21	1.26	Work in Progress	18000
12	Meham	0.14	1.11	Work in Progress	8424
13	Yamunanagar	1.27	9.31	Work in Progress	57500
14	Fatehabad	0.47	3.24	Work in Progress	42011
15	Gannaur	0.25	1.59	Work in Progress	23500
16	Rewari	0.6	4.02	Work in Progress	36000
17	Assandh	0.15	0.88	Work in Progress	13400
18	Cheeka	0.18	1.01	Work in Progress	8000
19	MandiDabwali	0.31	2.28	Work in Progress	8400
20	Jind	1	6.78	Work in Progress	20000
21	Kharkhoda	0.24	1.53	Work in Progress	4000
22	Nissing	0.15	0.94	Work in Progress	13800
23	Taraori	0.09	0.58	Work in Progress	2148.38

Sr. No.	Name of MC	Estimated Quantity of legacy waste (In Lakh MT)	Estimated Cost as per agreement (in Crore)	Status of work	Quantity of waste processed upto 15.08.2021 (in MT)
24	Gharaunda	0.2	1.23	Machinery under Installation	0
25	Bhiwani	1.15	8.15	Machinery under Installation	0
26	Nilokheri	0.11	0.69	Machinery under Installation	0
27	CharkhiDadri	0.25	2.1	Machinery under Installation	0
28	Hisar	1.3	12.35	Machinery under Installation	0
29	Karnal	0.95	5.84	Machinery under Installation	0
	Total	67.64	227.78	Total	24,81,258.38 say 24.81 Lakh MT

Approximate 24.81 lakh metric tonnes (36.67%) of legacy waste has already been processed in the above mentioned Municipalities. MCs mentioned at Sr. No. 24-29 above where zero quantity of legacy waste is shown as processed is due to the recent award/finalization of the contracts or due to some technical difficulties such as mobilization & installation of machinery, arrangement of labour etc. being faced by the concerned municipalities. However, the requisite machineries are now under installation at these dumpsites and the waste processing shall be started very soon.

The State Government has approved allocation of funds amounting to Rs. 262.67 Crore for the above mentioned municipalities. The 1st installment of Rs.44.59 Crore has been released by the State Government to the Urban Local Bodies Department to implement the necessary measures for this purpose.

- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)**

Presently Municipal Corporation, Gurugram has established a 300 TPD Construction and Demolition Waste processing plant at Village Basai and the capacity of the plant will be increased to 1500 TPD shortly. MC Gurugram has signed agreements with two private contractors to collect and transport the C&D waste from the household's level to the designated C&D waste Plant.

Further, the concessionaire for establishment of 300 TPD C&D waste management plant in Faridabad on PPP mode has also been finalized and agreement has also been signed between concessionaire and Municipal Corporation, Faridabad. The plant is likely to be commissioned by November 2022. As per the terms & conditions of agreement, the agency will start the processing of C&D waste at tie up plant Ghaziabad within 2 months till the commissioning of its plant in Faridabad.

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source**

As per report submitted by ULBD, there are total 1642 wards in MCs of Haryana out of which 1625 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated 1558 wards.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology).**

Detail is attached at **Annexure-4**.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.**

The detail of dumpsites attached at **Annexure-5**.

- **No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers.**

No such data is available at present.

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers**

The drains of MCs don't falls directly into the rivers. They ultimately join the drains of irrigation and the drains of irrigation falls into the rivers. The MCs are installing the wire mesh in the drains to prevent the solid waste from falling into the drains. At present approximate 387 small drains have been provisioned with wire mesh screens.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
93	5600	3725	1. Municipal Corporation Sonapat (Waste to Energy Plant)- 700 TPD 2. Municipal Corporation, Karnal (Waste to Compost Plant)- Capacity 150 TPD. 3. Municipal Corporation, Rohtak (Waste to Compost Plant)- Capacity 175 TPD. 4. Municipal Council, Sirsa (Waste to Compost Plant)- Capacity 50 TPD. 5. Municipal Corporation Karnal (Bio-methanation Plant)- Capacity 10 TPD 6. IOCL, Faridabad (Bio-methanation Plant)- Capacity 5 TPD 7. Suntan Biogas Plant, Ambala- Capacity 60 TPD 8. Total no. of compost pits for wet waste and horticulture processing -	Total Utilization of the existing capacity of the processing facilities: 3725 TPD as mentioned below: 1. Municipal Corporation Sonapat (Waste to Energy)- 700 TPD 2. Karnal, (Waste to Compost)- 150 TPD 3. Municipal Corporation Rohtak (Waste to Compost)- 175 TPD 4. Municipal Council Sirsa (Waste to Compost)- 25 TPD 5. Municipal Corporation Karnal (Bio-methanation)- 10 TPD 6. IOCL Faridabad- 5 TPD 7. Suntan Biogas Plant, Ambala- 60 TPD 8. Compost Pits- Approx.	Integrated Solid Waste Management Projects are likely to be completed upto December 2023.

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
			3125 having the capacity approx. 3500 TPD. 9. Total 97 MRF are established in ULBs having the capacity approx. 2273 TPD	1280 TPD 9. MRF- 1320 TPD	

VI. Bio-medical Waste Management:

- Total Bio-medical generation:**

As per the annual report for 2020, total 19217 kg/day Bio Medical Waste is generated in State of Haryana.

- No. of Hospitals and Health Care Facilities:**

As per the annual report for 2020 there are 6320 no. of HCFs in State of Haryana.

- Status of Treatment Facility/ CBMWTF:**

As per the annual report for 2020 there are 11 no. of authorized CBWTFs/Treatment facilities in State of Haryana

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:** 220987.09 tons

- No. of Industries generating Hazardous waste-** 4849

- Treatment Capacity of all TSDFs**

Incinerator (Kcal) - 2.5 Million.

Landfill (MTA) – 32 years

- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated**

Hazardous waste reaching TFDFs	Hazardous waste treated
Landfill -14372 MT Incineration – 15150.8 MT	Landfill -14372 MT Quantity Incinerated – 0

- Details of on-going or proposed TSDF-** Details given at Annexure-6

VIII. Plastic Waste Management:

- Total Plastic Waste generation:**

As per the annual report 2020 of PWM Approximate 507.30 TPD.

- Treatment/ Measures adopted for reduction or management of plastic waste:**

At present plastic waste is being channelized through MRF centres established in MCs.

IX. Details of Alternate Treatment Technology being adopted by the State/UT

The Nodal Department for execution of Bio/Phyto- Remediation identified. The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation wherever feasible.

ULB Department has started bio/phyto remediation works in the drains in Municipal Corporation, Yamuna Nagar – Jagadhri, as a pilot project, which will be replicated at other places. Municipal Corporation of Sonapat has also invited tenders for the bio/phyto remediation of drains. Similarly, Municipal Corporations of Gurugram and Faridabad are in the process of preparing the proposals for bio/phyto remediation. Municipal Corporation of Panipat has already floated the tenders for the process in their jurisdiction. GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB. PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

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

There are locations where the untreated/partially treated effluent is joining the main drains discharging into rivers. The action plans for control of pollution at these points is required to be submitted by Concerned Departments.

River Ghaggar

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted Time Bound action plan	Action plan not required/completed
PHED	50	24	3	0	23
D&P	137	69	0	0	68
HSVP	12	1	4	0	7
ULBD	43	13	0	0	30
HSI IDC	2	0	0	0	2
HP State	1	0	1	0	0
Housing board	1	0	1	0	0
HSPCB	5	0	1	0	4
Forest Deptt.	1	0	1	0	0
UT-CHD	2	0	2	0	0
	254	107	13	0	134

River Yamuna

Deptt.	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted time bound	Action plan not required/ completed
ULBD	62	51	0	0	11
D&P	23	2	0	0	21
HSPCB	17	0	7	0	10
PHED	14	1	0	0	13
Industry Deptt.	1	0	1	0	0
HSVP	3	0	0	0	3
Haryana Roadways	3	0	3	0	0
HSI IDC	2	0	0	0	2
Total	125	54	11	0	60

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

Member Secretary, Haryana State Pollution Control Board.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

Regular CS meetings are being held to review the progress of Yamuna and Ghaggar Action Plans. 8 Meetings held so far on 29.08.2019, 20.12.2019, 05.02.2020, 13.03.2020, 22.06.2020 17.07.2020, 06.08.2020, 08.09.2020, 08.12.2020, 12.02.2021, 02.08.2021, 28.03.2022 and 06.05.2022.

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.**Ghaggar****(a) Water quality and flow of major drains joining river Ghaggar**

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F. Coli
1	Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab. (PKL-RDQ-023)	30.642798, 76.874462	8.5	6.2	1400
2	MDC drain before entering into Punjab area near Raipur Kalan Temple carrying effluent of colonies of Haryana, Chandigarh, U.T (PKL-RDQ-033)	30.680110, 76.821592	25	190	4300
3	Singh Nallah choe before entering punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038)	30.664066, 76.843880	53	36	9400
4	Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008)	30.388012, 76.790604	28.65	9	400
5	Ghail drain at Samaspur, Ambala (AMB-RDQ-011)	30.333736, 76.667902	15.91	14	1500
6	Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002)	Longitude 76026.218' and Latitude 30005.025'	73.35	40	58000
7	Cheeka Drain/Old Ghaggar Creek (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	9.78	36	82000
8	Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011)	Longitude 76011.249' and Latitude 29052.976'	23.23	42	68000
9	Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76006.831' and Latitude	Longitude 76006.831' and Latitude	18.15	36	70000

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F. Coli
	29050.731') KTL-RDQ-015	29050.731'			
10	Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894) HSR-RDQ-006	Longitude 29.711468 and Latitude 75.551894	4	8	360
11	Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002)	29.787241, 75.827388	3	8.4	250
12	Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018)	29.489644, 74.741455	0.05	8.4	310

(b) Water quality and flow of river Ghaggar

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
1	Ghaggar River at Haryana Himachal Border (Ghaggar River at Morni) (PKL-RDQ-014)	30.742182/ 76.742182	45	5.6	1300
2	Ghaggar before meeting Kaushalya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015)	30.639975/ 76.872849	63	28	4900
3	Ghaggar River D/S after meeting Kaushalya River (NWMP-Station Code- 1885) (PKL-RDQ-017)	30.740980, 76.909826	102	5.6	900
4	U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-022)	30.613894/ 76.836044	110.5	9	3400
5	D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024)	30.642798, 76.874462	119	7.6	1300
6	Ghaggar River before meeting Ambala Drain (AMB-RDQ-007)	30.402314, 76.743059	49	6	1100
7	Ghaggar River after meeting Ambala Drain (AMB-RDQ-009)	30.398033, 30.398033	77.65	9	2300
8	Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB-RDQ-010)	29.71135/ 75.552123	77.65	7.5	1700
9	Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) (AMB-RDQ-012)	30.332689, 76.668607	93.56	4	1700
10	Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76025.974' and Latitude 30007.695') (KTL-RDQ-001)	Longitude 76025.974' and Latitude 30007.695'	61.13	36	56000

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
11	Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76022.571' and Latitude 30005.410') (KTL-RDQ-003)	Longitude 76022.571' and Latitude 30005.410'	134.48	35	86000
12	Ghaggar River before mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-007)	Longitude 76.232452' and Latitude 30.064188'	134.48	33.3	72000
13	Ghaggar River after mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	144.26	36	82000
14	Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76010.173' and Latitude 29054.305') (KTL-RDQ-010)	Longitude 76010.173' and Latitude 29054.305'	0	33.3	62000
15	Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76010.135' and Latitude 29053.548') (KTL-RDQ-012)	Longitude 76010.135' and Latitude 29053.548')	23.23	35	58000
16	River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75000.061' and Latitude 29050.754') (KTL-RDQ-013)	Longitude 75000.061' and Latitude 29050.754'	0	40	65000
17	River Ghaggar after mixing Kaithal Drain into River Ghaggar. (Longitude 76006.663' and Latitude 29050.723') (KTL-RDQ-018)	Longitude 76006.663' and Latitude 29050.723'	18.15	32	65000
18	River Ghaggar before meeting discharge of Ratia. (HSR-RDQ-005)	29.693333, 75.580474	175.85	35	86000
19	River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007)	29.716549, 75.549705	175.85	28	58000
20	River Ghaggar before meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-001)	29.786392, 75.826893	251	36	82000
21	River Ghaggar after meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-003)	29.786392, 75.826893	254	28	42000
22	River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017)	29.457123, 74.677554	0	35	80000
23	River Ghaggar after discharged of	29.489821,	2	24.9	52000

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg /l)	F.Coli (MPN/100 ml)
	7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019)	74.746049			

(C) Ground water quality status in the vicinity of river Ghaggar.

Ground water quality is being monitored at 78 locations in the catchment of river Ghaggar by HSPCB. Out of total 78 locations, ground water is found fit for drinking at 61 locations and non complying at 17 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

Sr. No.	Region	No. of points monitored	Complying	Non-complying
1	Panchkula	7	7	0
2	Ambala	7	7	0
3	Jind	2	0	2
4	Kaithal	15	5	10
5	Kurukshetra	1	1	0
6	Hisar	5	0	5
7	Sirsa	23	23	0
8	Fatehabad	18	18	0
Total		78	61	17

River Yamuna

(a) Water Quality and flow of drains joining river Yamuna

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F.Coli
1	Dhanaura Escape before meeting River Yamuna, Village Jarauli, Karnal (KRN-RDQ-002)	29.73336, 77.12788	101	5.8	3900
2	Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008)	29.280218, 77.120858	23.91	20	3900
3	Drain no. 6 before entry in Delhi (SNP-RDQ-001)	28.890391, 77.109702	9.78	52	2000
4	Entry point of Mungeshpur drain in Delhi Territory, back side of Sainik School, Bypass, Bahadurgarh, Distt. Jhajjar (BDH-RDQ-001)	28.669716, 76.949466	582	35	62000
5	Entry point of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt. Jhajjar (BDH-RDQ-002)	28.650667, 76.937005	550	33.3	68000
6	Entry point of Drain No. 8 in Delhi Territory, Near Dhansa Store of Executive Engineer, Irrigation & Flood	28.535362, 76.869600	Nil	35	72000

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F.Coli
	Control Deptt. of Delhi Govt., VPO-Lohat, Distt. Jhajjar (BDH-RDQ-003)				
7	Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002)	28.531019, 77.001858	6.05	52	2600
8	Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005)	28.508322, 76.975010	44.14	50	12000
9	Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008)	28.484470, 76.953334	219.92	58	6300
10	Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010)	28.382511, 77.481014	104.72	98	9000
11	Gaunchi Drain before River Yamuna, Palwal (PWL-RDQ-005)	27.914783, 77.517323	100	36	8600

(b) Water Quality and flow of river Yamuna

Sr. No.	Drains meeting with river Yamuna	latitude/ Longitude	Flow (in Cusecs)	BOD (mg/l)	F.Coli
1	River Yamuna before meeting Maskara Nallah, upstream, Kalanaur (YMN-RDQ-001)	29.726992/ 77.13079	328	6.2	100
2	River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-RDQ-003)	30.068276, 77.348271	352	7	400
3	River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001)	29.73327/77.1277	352	3.6	4300
4	River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003)	29.72592 and 77.13278	408	5.2	2700
5	River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli (PNP-RDQ-007)		664.6	8	400
6	River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009)	28.86158/ 77.206427	674.5	1.8	200
7	River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002)	28.884931, 77.147185	240	11	700
8	River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004)	28.379079/ 77.486982	250	23	2600
9	Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009)	28.384703, 77.489578	382	29	8000

Sr. No.	Drains meeting with river Yamuna	latitude/ Longitude	Flow (in Cusecs)	BOD (mg/l)	F.Coli
10	Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011)	28.372917, 77.487966	428	36	10200
11	River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004)	27.914783, 77.517323	388	45	7700
12	River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006)	27.909736, 77.521114	408.9	35	8000

(C) Ground water quality status in the vicinity of river Yamuna.

Ground water quality is being monitored at 89 locations in the catchment of river Yamuna by HSPCB. Out of total 89 locations, ground water is found fit for drinking at 61 locations and non complying at 28 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

Sr. No.	Region	No. of Points monitored	Complying	Non-Complying
1	Panipat	9	6	3
3	Faridabad	8	8	0
4	Ballabgarh	6	1	5
5	Palwal	12	6	6
6	Gurgaon South	10	10	0
7	Gurgaon North	8	8	0
8	Karnal	5	5	0
9	Yamuna Nagar	3	3	0
10	Nuh	1	0	1
11	Sonepat	11	6	5
12	Bahadurgarh	7	0	7
	Total	89	61	28

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA/HWRA for extraction of ground water.

XV. Good irrigation practices being adopted by the State:

The major demand for river water is for Irrigation purposes and accordingly the State of Haryana has taken initiatives for water efficient farming practices which are given as under:-

(a) Project of Recycle and Ruse of Treated Wastewater for Irrigation Purpose

The State is in the process to set up system to reuse the treated sewage. The Irrigation Department has submitted the progress report regarding projects of utilization of treated sewage of STPs. The details are as under:-

- The Govt. has accorded approval to the consolidated project (Ghaggar and Yamuna Action Plan) on 04.01.2020 for Rs. 1098.25 Crore.
- 35 STPs (20 in Yamuna and 15 in Ghaggar) have been selected for installing micro irrigation system with combined treatment capacity of 338.85 MLD and a project has been sanctioned by Govt. of India namely "STP Micro Irrigation Project under NABARD assisted Micro Irrigation Fund" for Rs. 490 Crores and shall be completed by 2023-24.
- The Administrative Approval of 28 STPs has been accorded by the Govt.
- Tenders for around 21 STPs have been floated and tenders for 11 STPs have been approved. Work of these STPs is likely to be started shortly. Estimate of remaining STPs is under process and tender will be called soon.
- Regarding remaining STPs, the five years action plan will be prepared soon.

The list of projects in 35 STPs is given as under:-

Sr. No.	Name of District	Name of STP	Capacity of STP (in MLD)	Treatment technology
1	Ambala	Barara	6	MBBR
2	Ambala	Naraingarh	5	MBBR
3	Hisar	Hansi	12.5	MBBR
4	Hisar	Hisar sec-3	10	MBBR
5	Jind	Narwana	5	MBBR
6	Kaithal	Gulha	10	SBR
7	Kaithal	Kaithal	10	SBR
8	Fatehabad	Fatehabad	10	MBBR
9	Fatehabad	Tohana	10	MBBR
10	Fatehabad	Jakhal	3	SBR
11	Fatehabad	Ratia	6.5	MBBR
12	Panchkula	Kalka	4.75	MBBR
13	Panchkula	Pinjor	5	MBBR
14	Sirsa	Sirsa	15	SBR
15	Panipat	Panipat	25	SBR
16	Charkhi Dadri	Charkhi Dadri	5	MBBR
17	Bhiwani	Badra	10	MBBR
18	Gurugram	Behrampur	60	MBBR
19	Jhajjar	Jhajjar	6.5	MBBR
20	Jhajjar	Salhwas	5	MBBR
21	Rewari	Rewari	6.5	MBBR
22	Rewari	Rewari	8	MBBR with Dual Mode Filter
23	Mahendargarh	Nangal Chaudhary	6.5	MBBR
24	Mahendargarh	Narnaul	7.5	MBBR
25	Rohtak	Rohtak	10	MBBR
26	Bhiwani	Kairu	10	MBBR
27	Jind	Jind	15	MBBR
28	Karnal	Karnal	10	MBBR
29	Karnal	Karnal	8	MBBR
30	Yamuna Nagar	Radaur	3.5	MBBR
31	Faridabad	Ballabgarh	18	MBBR
32	Mewat	Punhana	4.5	MBBR
33	Mewat	Nuh	3.6	MBBR
34	Palwal	Hathin	4.5	MBBR
35	Sonipat	Sector-23	10	MBBR
TOTAL			338.85	

(b) Installation of community based solar/grid powered micro-irrigation infrastructure in existing canal commands

Six communities based solar/grid powered micro-irrigation facilities have been installed for Irrigation of 768 hectare land.

In order to implement project of Micro Irrigation (MI) speedily, Government has decided to adopt bottom up approach i.e. 100% consent of stakeholders (farmers) for adoption of MI system shall be taken before execution of the project. The farmers or group of farmers who come forward with the chak of minimum 25 acres to adopt micro irrigation in their fields and also give consent to provide land free of cost for construction of tank for storage of water as per requirement of the chak for micro irrigation activity, Government shall provide all infrastructures like: laying of pipelines, construction of storage tanks, solar pumps etc free of cost & 95% subsidy shall be provided to on-farm drip and sprinkler micro irrigation components. The web portal for online application of farmers has also been launched.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

All the construction activities are banned on river Yamuna/Ghaggar Flood Plains and no encroachment on river Yamuna is allowed as per section 45 of Haryana Canal and Drainage Act, 1974. However, if any encroachment exists on river Yamuna/Ghaggar is immediately removed in accordance of this Act.

XVII. Maintaining minimum e-flow of river:

River Ghaggar

It is brought out that Ghaggar River is not a perennial river and discharge varies from zero to maximum during flood seasons. Around 15-20% of the lowest possible discharge in the lean season is required for maintaining E- flow. In our case the discharge varies from zero to maximum so maintaining E-flow is not possible. However, the monthly flow of all the major drains joining river Ghaggar is being measured regularly on monthly basis.

River Yamuna

It has been reported by the Irrigation and Water Resources Department, Haryana that as per MoU dated 12.05.1994 signed among the States of UP, Haryana, Rajasthan, Himachal Pradesh & NCT of Delhi, a minimum discharge of 352 cusec water is released in Yamuna river from Hathnikund barrage at lean period also to maintain the E-flow of river which was in accordance with the guidelines of Ministry of Water Resources, River Development & Ganga Rejuvenation, Govt. of India in compliance of the order of Hon'ble NGT dated 11.06.2015. However, in case excess discharge is received at HKB (in monsoon seasons) in comparison to capacity of channel, then this excess discharge is released into river Yamuna through Somb Nadi and the indented supply is released in the channel.

XVIII. Plantation activities along the rivers:**River Ghaggar****Urban Estate Wise Plantation Done in HSVP Area**

Sr. No.	Name of U/E	Plantation done in the Year 2018-19	Plantation Done in Year 2019-20	Plantation Done in Year 2020-21
1	Panchkula	5000	7820	3993
2	Ambala	1500	3626	3344
3	Pehowa	0	0	0
4	Naraingarh	0	0	0
5	Kurukshetra	2000	3472	1870
6	MTS Gulha	0	0	0
7	MTS Pundri	0	0	0
8	Kaithal	1000	3160	1880
		9500	18078	11087

Plantation done in catchment of River Ghaggar by Forest Department in 2021-22

Forest Department has selected around 79 villages in the catchment areas of river Ghaggar and has proposed to plant around 6 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

Sr. No.	Name of District	No. of village	No. of plants to be planted	No. of plants planted till date
1	Panchkula	11	331596	330466
2	Ambala	11	138146	138146
3	Kaithal	6	13200	3050
4	Fatehabad	34	58295	58295
5	Sirsa	17	199450	70860
Total		79	740687	600817

River Yamuna**Urban Estate Wise Plantation Done in HSVP Area**

Sr. No.	Name of U/E	Plantation Done in Year 2018-19	Plantation Done in Year 2019- 20	Plantation Done in Year 2020- 21
1	Jagadhri / Yamunagar	500	1178	1347
2	Shahabad	0	0	0
3	Karnal	5000	2810	4900
4	Faridabad	14300	22490	14900
5	Palwal	100	300	360
6	Rojka Meo	500	100	64
		20400	26878	21571

Plantation done in catchment of river Yamuna by Forest Department in 2021-22.

Forest Department has selected around 188 villages in the catchment areas of river Yamuna and has proposed to plant around 1.4 Cr. plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

Sr. No.	Name of District	No. of village	No. of plants to be planted	No. of plants planted till date
1	Yamuna Nagar	124	1245145	1245145
2	Karnal	19	8500	8500
3	Panipat	16	67948	67948
4	Sonepat	19	26500	22839
5	Faridabad	4	36500	46000
6	Palwal	6	12058	12058
Total		188	1396651	14025490

XIX. Development of biodiversity park:

River Ghaggar

District	Name	Areas in Acre.
Panchkula	i) World Herbal Forest, Morni	12500
	ii) Kapoor Vatika at Mallah	25
	iii) Thapli Herbal Park at Village Thapli	10
	iv) Tikka-Tal Herbal Park	20
Fatehabad	i) Mulethi Vatika at Gilakhara	14
	ii) Er. Kanwar Sain Gupta Herbal Park at Tohana	25
Sirsa	i) Bahera Vatika at Village Fulkan Village	17
Total		12611

River Yamuna

District	Names	Area in Acre
Yamuna Nagar	i) Rudraksh Vatika at village Chuhanpur	184
	ii) Adi Badri Herbal Park	10
Karnal	i) Ashok Vatika at Gharaunda	5
	ii) Indri Herbal Park	10
Panipat	i) Bilva Vatika at Pati Kalyana Village	14
Sonipat	ii) Amaltas Vatika Pati Kalyana Village	8
	ii) Khanpur Kalan Herbal Park	12
Faridabad	i) Ratanjot Vatika at Gurugram Canal at Faridabad	10
Palwal		0
Total		253

XX. Reuse of Treated Water:

The State is in the process to set up system to reuse the treated sewage. Details are given in point XV (a).

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

Both Ghaggar and Yamuna river stretches.

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

NA

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

**Action taken report in compliance with the Environment & Monitoring
Guidelines for Sand Mining Policy, 2020.**

District	Period	Vehicle seized in illegal mining/illegal transportation of mineral	Vehicle released	Penalty imposed	Complaint lodged against illegal minors	FIR lodged against illegal minors
Panchkula, Ambala, Yamuna Nagar, Kurukshetra/Kaithal, Panipat/Karnal, Sonapat, Faridabad/Palwal	Apr, 2022	47	15	3285250	20	13

Name of District	Period	Details of regulation of mining activities	Violation identified	Action taken	Remarks
PKL	Apr,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Nil	Nil	Mining activities running.
Ambala	Apr,22	1. Regulation checking for day and night as well as surprised checking. 2. Mineral transportation with e-rawana 3. MDL is mandatory for sale and purchase of mineral by screening plant.	Yes	Fine imposed or FIR lodged against persons involved in illegal mining/transportation of illegal mineral	Illegal mining operation is closed since 01.07.2020 but some periodic cases of illegal mining by local villagers were also noticed/found and action has been taken against them, by this office.
Yamuna Nagar	Apr,22	1. Weight Bridges istalled at every lease. 2. CCTV installed at entry and exit point. 3. Dispatch of mineral with e-rawana. 4. Regular checking of by contract area of field staff.	Nil	Nil	Nil
PNP/KNL	Apr,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Nil	Nil	Mining activities in Village Pir Baduli & Faridpur by Unit no. 4, Karnal. The representative of contractor was asked verbally to lebelled serial no. on each and very boundary pillars.
SNP	Apr,22	1. Boundary Pillars are installed surrounded the contract area. 2. Weight Bridges istalled at every lease. 3. CCTV installed at entry and exit point. 4. Dispatch of mineral with e-rawana. 5. Regular checking of by contract area of field staff.	Nil	Nil	Mining activities in village Tikola, vy M/s Yodha mines.

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

Action by HSPCB

✓ **Ghaggar**

- No. of industries inspected - 242
- No. of closure order issued against violating units - 214
- No. of violating units prosecuted - 64
- No. of violating units against whom EC imposed - 42
- Amount of EC Imposed - 7.8 Crore
- Charge sheet issued against One Assistant Environmental Engineer for failure for vigorous monitoring.

▪ **Yamuna**

- No. of industries inspected - 1312
- No. of closure order issued against violating units - 945
- No. of violating units prosecuted - 267
- No. of violating units against whom EC imposed - 191
- Amount of EC Imposed - 84.55 Crore

Status of existing STPs in the catchment of river Ghaggar

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Ambala					
1	3.00 MLD STP Naya Gaon , Unit.I , Ambala City by PHED in Janurary, 2011	PHED	3	26.05.2022	Non-Complying
2	3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016	PHED	3.25	26.05.2022	Non-Complying
3	5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012	PHED	5	26.05.2022	Non-Complying
4	3.25 Baldev Nagar , Unit.II ,Ambala City by PHED in 1.4.2016	PHED	3.25	20.05.2022	Non-Complying
5	5 MLD Moti Nagar, Unit.I , Ambala City by PHED in June 2010	PHED	5	26.05.2022	Non-Complying
6	5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016	PHED	5	26.05.2022	Non-Complying
7	6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012	PHED	6	27.05.2022	Non-Complying
8	3.25 Nasirpur Ambala City by PHED in 31.9.2016	PHED	3.25	26.05.2022	Non-Complying
9	0.25 MLD Sadopur , Ambala PHED in 31.12.2016	PHED	0.25	27.05.2022	Complying
10	3.00 MLD Devi Nagar , Ambala City by PHED on 31.5.2013	PHED	3	27.05.2022	Non-Complying
11	3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014	PHED	3	25.05.2022	Non-Complying
12	2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	HSVP	2	26.05.2022	Complying
13	5 MLD STP Ambala by HSVP		5		Complying
Kurukshetra					
14	25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	PHED	25	11.05.2022	Complying
15	8 MLD STP Model Town, Pehowa Kurukshetra by PHED in May dt. 2015	PHED	8	11.05.2022	Complying except Faecal Coliform
16	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016	PHED	11.5	20.05.2022	Complying
17	15 MLD STP Kurukshetra by HSVP	HSVP	15	11.05.2022	Complying
Panchkula					
18	4.5 MLD Kalka Panchkula by PHED in 30.3.2015	PHED	4.5	13.05.2022	Non-Complying
19	0.25 MLD Kalka Panchkula by PHED in 28.5. 2017	PHED	0.25	13.05.2022	Non-Complying
20	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	PHED	5	13.05.2022	Complying
21	18 MLD STP Panchkula by HUDA in 31.12.2002	HSVP	18	12.04.2022	Complying
22	39 MLD STP Panchkula by HUDA in Nov. 2011	HSVP	39	19.05.2022	Complying

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
23	15 MLD STP Sector- 28, Panchkula by HUDA in 2012	HSVP	15	24.05.2022	Complying except Faecal Coliform
24	9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	GE	9	19.05.2022	Complying
Jind					
25	15 MLD STP by PHED Jind in Jan, 2009	PHED	15	30.05.2022	Complying
26	3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011	PHED	3.5	31.05.2022	Non-Complying
27	3.75 MLD STP Narwana Jind by PHED in Jan , 2011	PHED	3.75	31.05.2022	Non-Complying
28	02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017)	PHED	2	31.05.2022	Non-Complying
29	2 MLD STP Uchana Jind by PHED in 22.2.2012	PHED	2	31.05.2022	Non-Complying
30	1.5 MLD Uchana by PHED in 31.5.2013	PHED	1.5	31.05.2022	Non-Complying
31	5 MLD STP Jind by PHED in 1.4.2016	PHED	5	30.05.2022	Complying except Faecal Coliform
32	7 MLD STP, Jind by PHED in 30.11.2019	PHED	7	30.05.2022	Complying except Faecal Coliform
33	9 MLD STP Safidon , Jind by PHED in 31.05.2018	PHED	9	30.05.2022	Complying
34	10 MLD by HUDA Jind in 27.12.2014	HSVP	10	30.05.2022	Non-Complying
Kaithal					
35	10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013	PHED	10	25.05.2022	Complying
36	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	PHED	10	25.05.2022	Complying
37	10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR)	PHED	10	25.05.2022	Complying
38	10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR)	PHED	10	25.05.2022	Complying
39	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	PHED	5	25.05.2022	Complying
40	3.5 Pundri Kaithal by PHED in 4.7.2014	PHED	3.5	25.05.2022	Complying
41	7.5 MLD Kaithal by HUDA in 31.8.2016	HSVP	7.5	25.05.2022	Complying
Hisar					
42	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	PHED	15	07.05.2022	Complying
43	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	PHED	40	07.05.2022	Complying
44	4 MLD STP Narnaund, Hisar by PHED	PHED	4	03.05.2022	Complying
45	4 MLD STP Kaimri Road, Hisar by PHED in 2018	PHED	4	07.05.2022	Non-Complying
46	15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014	HSVP	15	03.05.2022	Complying
47	8 MLD STP Village Dabra by ULBD	ULBD	8		Complying
Sirsa					
48	15 MLD STP, Shamsabad patti , Kalania Road, Sirsa by PHED in 1.7.2012	PHED	15	02.05.2022	Complying

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
49	5 MLD STP, Vill. Nattar 1 , Sirsa by PHED in 1.5.2013	PHED	5	11.05.2022	Non-Complying
50	5 MLD STP, Vill. Nattar 2 , Sirsa by PHED in 14.09.17	PHED	5	11.05.2022	Non-Complying
51	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	PHED	7.5	02.05.2022	Complying
52	9.5 MLD STP, Daddu Road,Kalanwali, Sirsa by PHED in 17.02.2018	PHED	9.5	11.05.2022	Complying
53	6 MLD STP Rania Sirsa by PHED in 30.6.2017	PHED	6	02.05.2022	Complying
54	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017	PHED	16.5	11.05.2022	Complying
55	20 MLD STP at Kelnia Sirsa by PHED	PHED	20	11.05.2022	Complying
Fatehabad					
56	10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013	PHED	10	06.05.2022	Complying
57	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	PHED	10	06.05.2022	Non-Complying
58	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014	PHED	6.5	02.05.2022	Complying
59	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018	PHED	5	02.05.2022	Complying
60	3 MLD STPJhakhali Mandi, Fatehabad by PHED in 30.9.2019	PHED	3	02.05.2022	Complying
61	8 MLD STP at Bhuna, Fatehabad	PHED	8		Complying
62	10 MLD STP Majra, Fatehabad by HUDA in 16.12.17	HSVP	10	06.05.2022	Complying
	Total No. of STPs- 62		535		

Status of existing STPs in the catchment of river Yamuna

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
Yamuna Nagar					
1	Radaur Road, Yamuna Nagar by PHED	PHED	20	24.05.2022	Complying
2	Radaur Road, Yamuna Nagar by PHED	PHED	25	24.05.2022	Complying
3	Baddimajra, Yamuna Nagar by PHED*	PHED	10	24.05.2022	Complying
4	Baddimajra, Yamuna Nagar by PHED*	PHED	10		Complying
5	Parwaloo, Jagadhri Yamuna Nagar by PHED	PHED	24	24.05.2022	Complying
6	Chhachhrauli Yamuna Nagar by PHED	PHED	3	24.05.2022	Complying
7	Radaur Yamuna Nagar by PHED	PHED	3.5	24.05.2022	Complying
Ladwa, Kurukshetra					
8	Indri Road, Ladwa Kurukshetra by PHED	PHED	7	21.05.2022	Non-Complying
Karnal					
9	Indri, Karnal by PHED*	PHED	4	13.05.2022	Complying
10	Nilokheri, Karnal by PHED	PHED	6	13.05.2022	Complying
11	Nissing Karnal by PHED	PHED	4	17.05.2022	Complying
12	Tarori Karnal by PHED	PHED	5.5	13.05.2022	Complying
13	Gharaunda, Karnal by PHED	PHED	7	13.05.2022	Complying
14	Gogharipur Road, karnal by ULB	ULBD	10	13.05.2022	Complying
15	RK Puram, Karnal by ULB	ULBD	8	13.05.2022	Complying
16	Transport Nagar, Karnal by ULB*	ULBD	50	13.05.2022	Complying
Panipat					
17	Sewah, Panipat by PHED	PHED	35	24.05.2022	Complying except Faecal Coliform
18	Sewah, Panipat Panipat by PHED	PHED	25	24.05.2022	Complying except Faecal Coliform
19	Jattal Road, Panipat by PHED	PHED	20	24.05.2022	Complying
20	Jattal Road, Panipat by PHED	PHED	10	31.05.2022	Complying except Faecal Coliform
21	Samalkha, Panipat by PHED	PHED	5	24.05.2022	Non Complying
22	Sec-19, Panipat by HSVP	HSVP	30	24.05.2022	Complying
23	Sec-6, Panipat by HSVP	HSVP	0.8	24.05.2022	Complying
Sonepat					
24	Kharkhoda Sonepat by PHED	PHED	4.5	26.05.2022	Non Complying
25	Ganaur Sonepat	PHED	7	26.05.2022	Non Complying
26	Gohana Sonepat by PHED	PHED	3	26.05.2022	Non Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
27	Gohana Sonapat by PHED	PHED	8.3	26.05.2022	Non Complying
28	Rathdana Road, Sonapat by ULB	ULBD	30	28.04.2022	Complying
29	Kakroi Road, Sonapat by ULB	ULBD	25	26.05.2022	Complying
30	Rajiv Gandhi Edu. City, Phase-I, Sonapat by HSVP	HSVP	7.5	26.05.2022	Complying
Rohtak					
31	PGI Rohtak by PHED	PHED	19.5	26.05.2022	Complying
32	Sonaria, Rohtak by PHED	PHED	40	26.05.2022	Non-complying
33	Kalanaur Rohtak by PHED	PHED	3.5	26.05.2022	Non-complying
34	Meham Rohtak by PHED	PHED	5	26.05.2022	Non-complying
35	Singhpura, Rohtak by PHED	PHED	14	26.05.2022	Complying
36	Sampla Rohtak by PHED	PHED	4	26.05.2022	Non-complying
37	Sec-25, Rohtak by HSVP	HSVP	10	30.10.2021	Non-complying
38	Singhpura, Rohtak by ULB*		10		Non Complying (Under Maintenance)
Jhajjar					
39	Jhajjar by PHED	PHED	5	26.05.2022	Non-complying
40	Jhajjar by PHED	PHED	5.5	26.05.2022	Non-complying
41	Beri Jhajjar by PHED	PHED	2	15.02.2021	Complying except Faecal Coliform
42	Line Par, Bahadurgarh by PHED	PHED	18	31.05.2022	Non-complying
43	Najafgarh road Bahadurgarh by PHED	PHED	36	26.05.2022	Complying
44	Sec-36, Bahadurgarh by HSVP	HSVP	10	26.05.2022	Complying except Faecal Coliform
Nuh					
45	Tarou by PHED	PHED	4.5	14.05.2022	Non Complying
46	Punhana by PHED	PHED	4.5	14.05.2022	Non Complying
47	Nuh by PHED	PHED	3.6	14.05.2022	Non Complying
48	Ferozpur Jhirka by PHED	PHED	5	14.05.2022	Non Complying
Palwal					
49	Hathin by PHED	PHED	4.5	14.05.2022	Non Complying
50	Hodal by PHED	PHED	9	14.05.2022	Non Complying
51	Palwal by PHED	PHED	9	14.05.2022	Non Complying
52	Hassanpur by PHED	PHED	3	14.05.2022	Non Complying
Faridabad					

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
53	Badshahpur, Faridabad by ULB	ULBD	45	06.05.2022	Non-Complying
54	Faridabad by HSVP	HSVP	7.5		Complying
Gurugram					
55	Dhanwapur, Gurgaon by GMDA	GMDA	50	18.05.2022	Non-Complying
56	Dhanwapur, Gurgaon by GMDA	GMDA	68	18.05.2022	Complying
57	Behrampur, Gurgaon by GMDA	GMDA	120	12.05.2022	Complying
58	Behrampur, Gurgaon by GMDA	GMDA	50	12.05.2022	Complying
59	Dhanwapur, Gurgaon by GMDA	GMDA	100	18.05.2022	Non-Complying
	Total		1074.2		

Status of existing STPs in the catchment of other catchment

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Gurugram					
1	Sohna, Gurgaon	PHED	6	30.05.2022	Non-Complying
2	Pataudi, Gurgaon	PHED	4.5	12.05.2022	Complying except Faecal Coliform
3	Farrukhnagar, Gurgaon	PHED	3	12.05.2022	Complying except Faecal Coliform
4	Haily Mandi, Gurgaon	PHED	5.5	12.05.2022	Complying except Faecal Coliform
Jind					
5	Julana, Jind	PHED	4	28.04.2022	Non-Complying
Bhiwani					
6	Dhana Road, Bhiwani	PHED	10	29.03.2022	Non-Complying
7	Bhiwani	PHED	10	29.12.2021	Non-Complying
8	Bhiwani, Phase-I	PHED	15	29.03.2022	Complying
9	Bhiwani, Phase-II	PHED	15	29.03.2022	Complying
10	Charkhi Dadri, Bhiwani	PHED	5	31.03.2022	Non-Complying
11	Chirya Road, Charkhi Dadri, Bhiwani	PHED	5	31.03.2022	Non-Complying
12	Bawani Khera, Bhiwani	PHED	4.5	29.03.2022	Non-Complying
13	Loharu, Bhiwani	PHED	3.5	31.03.2022	Non-Complying
14	Tosham, Bhiwani	PHED	3	29.03.2022	Complying
15	Siwani, Bhiwani	PHED	4	31.03.2022	Non-Complying
16	Bhiwani	HSVP	10	29.03.2022	Complying
Mohindergarh					
17	Mohindergarh	PHED	6.5	30.03.2022	Complying
18	Ateli Mandi, Mohindergarh	PHED	2	30.03.2022	Complying
19	Kanina, Mohindergarh	PHED	3	30.03.2022	Complying
20	Rewari Road, Narnaul, Mohindergarh	PHED	7.5	30.03.2022	Non-Complying
21	Near Chinkara Rest House, Rewari Road, Narnaul	MC	6		Non-Operational and effluent being treated in 7.5 MLD STP Narnaul
Rewari					
22	Bawal, Rewari	PHED	3	30.03.2022	Complying except Faecal Coliform
23	Rewari	PHED	6.5	31.03.2022	Non-Complying
24	Rewari	PHED	8	31.03.2022	Non-Complying
25	Rewari	PHED	16	31.03.2022	Non-Complying
26	Dharuhera	PHED	9.5	31.03.2022	Non-Complying
27	Kosli, Rewari	PHED	3	31.03.2022	Non-Complying
28	Dharuhera	HSVP	5	31.03.2022	Non-Complying

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Ambala					
29	Barara, Ambala	PHED	4	25.05.2022	Complying
Karnal					
30	Assandh, Karnal	PHED	5	17.05.2022	Complying
Hisar					
31	Hansi, Hisar	PHED	6.5	03.05.2022	Non-Complying
32	Dhani Gram, Barwala, Hisar	PHED	6	02.05.2022	Non-Complying
33	Uklana, Hisar	PHED	6.5	02.05.2022	Complying
34	Dhani Kushal, Bhiwani Road, Hansi	PHED	5	03.05.2022	Non-Complying
35	Lalpura- Jind Road, Hansi	PHED	7.5	03.05.2022	Non-Complying
Total -35			225		

13 Clusters of ISWM in river catchment

Sr. No.	Cluster	ULBs clusters within	Plant Capacity (TPD)	Project Status
1	Sonepat-Panipat	Sonepat, Panipat, Gannaur, Samalkha	700	Waste to Energy Plant has been commissioned on 16.08.2021.
2	Faridabad-Gurugram	Faridabad, Gurugram	2100	- Project is awarded to M/s Ecogreen Energy Gurugram Faridabad Pvt. Ltd. on 14.07.2017. - Environment Clearance has been granted by MoEF&CC on 01.11.2019. - The work of construction of plant is likely to be started soon.
3	Bhiwani	Bhiwani, BawaniKhera, CharkhiDadri, Loharu, Badhra	155	- Bids were invited for Bhiwani&Sirsa cluster on 07.06.2021 with bid due date on 22.07.2021. - Two bids were received in both clusters and only single bidder in each cluster has qualified in Technical evaluation. - A Meeting of CCI was held on 14.10.2021 in which it was decided to plan before COSI. It will be placed on 07.06.2022.
4	Sirsa	Sirsa, Rania, Ellenabad, Kalanwali, MandiDabwali	168	Now CCI has decided that the bids may be finalized by the CoSI. The meeting of CoSI for final decision is likely to be scheduled shortly.
5	Ambala-Yamunanagar	Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura	675	- Bids are invited for Ambala-Yamunanagar cluster on 25.08.2021. Pre-bid Meeting was conducted on 07.09.2021 and re-conducted as per directions of CCI meeting on 10.11.2021. No bid received. - New bid will be uploaded.
6	Karnal-Kaithal-Thanesar	Indri, NilokheriTarori, KarnalGharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat, Rajound, Cheeka, Pundri	638	One bid is under technical evaluation.
7	Panchkula	Panchkula and Kalka	280	One bid is under technical evaluation.
8	Rohtak-Bahadurgarh-Jhajjar	Kalanaur, Meham, Rohtak, Gohana, Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri	628	New bid will be uploaded.
9	Jind	Jind, Narwana,	181	Tenders will be invited after

Sr. No.	Cluster	ULBs clusters within	Plant Capacity (TPD)	Project Status
		Safidon, Uchana, Narnaund, Sisai, Bass		finalization of earlier invited tenders.
10	Rewari	Bawal, Dharuhera, Rewari, Mahendergarh, Kanina	407	
11	Hisar-Fatehabad	Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, UklanaMandi, Ratia, Tohana, JhakaMandi	432	
12	Punhana	Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh, Tauru	466	
13	Faruknagar	Farukh Nagar, HailyMandi, Pataudi	26	
Total			6856	

Details of Dump Site

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
1	Hisar	Opp. Village Dhandoor	13.32	4.01	1.3	9 years	
2	Gurugram	Village Bandhwari Gurgaon Faridabad Road	30	Approx 40.00	27.5 (approx)	2008 onwards	Bandhwari dumpsite was established and operated by MC Faridabad through its contractor i.e AKC Developers and operated till 2014. further in year 2017 M/s Ecogreen was enagaged for collection, transportation of MSW for MCG & MCF)Faridabad & Gurugram Cluser) and possession of bandwari site is with them since 2019
3	Ambala city	VPO Patvi, Teh. Naraingarh	14	height-6 Mtr Depth-4 Mtr	6		
4	Panipat	Near Village Nimbri, Distt. Panipat	8	2	5	2014	-
5	Sirsa	Village Bakirawali SWM Plant	13	11	4	14 Years	
6	Panchkula	Nera IT Park Sector-23 Panchkula	10.5	4	3.96	14 Year's (2004 onwards dumping started)	
7	Rohtak	Near SWM plant, Drain No. 8,Bhiwani Road, Village Sunarian, Rohtak Ward NO. 22	10	4	3.95	2010	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
8	Bahadurgarh	NayaGaon, Badli Road	7.2	3	3.2	Since 2004	
9	Yamunanagar-Jagadhri	KailKachra Plant	12	2.5	1.76 Approx	21.12.2012 to 14.12.2013 (Plant is not working from 14.12.2013 to till date.)	-
10	Jind	Near Delhi Ferozpur Railway Line	18.12	2.13	1	1996	
11	Shahabad (M).	Village Kalyana	0.48	4.9	0.11	19.12.2018	Land on lease basis.
12	Narnaul	Raghunathpura	16	15	0.59	Since 2001	
13	Safidon	Near Assandh By Pass back of New Grain Market Safidon	0.06	0.9	0.006	Since Sep-2019	
14	Ratia	JakhalDadi Road	4	1	0.11	2017	area covered 30 %
15	Rania	BalasarRaod, Back Side NirankariBhawan, Ward No. 02, Rania.	3.3	2.1	0.14	Year 2018	10 Feet Depth of the Site
16	Rajound	Gas Agency Road, Ward 03 Rajound	0.14	1	0.002	43718	-
17	Radaur	SK Road Radaur	1	-	0.003	09.02.2016	-
18	Palwal	Meghpur Village	1.48	Height= 1.25 Mtr. Depth=2.10 Mtr. Total= 3.35 Mtr.	0.12	Year 2017	
19	Nilokheri	Kali Mata Mandir Road	2	2.33	0.18	Approximately 8-10 Year	
20	NangalChaudhary	Near Krishnawati	0.7	0.9	0.015	Since 2013	-

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		River Nangal Chaudhary					
21	Meham	Hisar Bye Pass, Mehama	1.48	3.25	0.087	2013	
22	Ladwa	On Babain Road	6.26	1.5	0.001	43800	-
	Kanina	PiplaWaliBani (Gahra Road)	25	1.5	0.068	2010	
23	Kanina	MankaWaliBani (Sihor Road)	8	1.5	0.034	2009	
24	Julana	Near HadwaraJulana	1	6	0.05	25.11.2019	-
25	Faridabad	Bandhwari Dumpsite is Common Dumpsite for MCG and MCF.					
26	Gharaunda	Begampur	1.19	10	0.23	Oct. 2019	
27	FerozpurJhirka	DoodhGhati	1	NIL	0.2	2006	-
28	Fatehabad	Bigbar Road, Village Matana, Fatehabad	1.5	2	0.46	2014	
29	Farrukh Nagar	Chand Nagar Road, Ward no. 11, Farrukhnagar	3.73	1.22	0.11	Last 10 years	Presently stay by Hon'ble Court as this dumping site
			0.18	1.83	0.082	Last 6 month	Used as Temporary dumping site due to stay at main dumping site on Chand Nagar Road, Ward No. 11, Farrukhnagar.
30	Ellenbad	Temporary Dumpsite in Hudda R-3	2.25	2.43	0.12	From Last 2 Years	-
31	Assandh	Near Kanchi gate Kaithal road Assandh	1.38	4.57	0.15	Since 2004	-
32	CharkhiDadri	Rania WalaJohar, Near BhiwaniRohtak Bye pass	4	3	0.26	Year 2006	
33	Gohana	VilalgeThaska	4.7	5.5	0.42	2011	
34	HailyMandi	Near Mirzapur Road, W. No. 7	2.49	2.43	0.00028	11.03.2020	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		HailyMandi					
35	Indri	Indri Bypass Road	1.2	1	0.03	5-8 Years	
36	Kaithal	Khurana Road	5	2.43	0.8	41426	
37	Kharkhoda	Sampla Road Bye pass	2	1.22	0.24	Approx 25 Years	
38	Narnaund	Near ShanshanGhat W. No. 4	1.4	1	0.028	2001	
39	Nuh	Jogipur Road, Nuh town, Near Vijay Gas Agency	3.7	NIL	0.16	2011	
40	Pataudi	Ward No. 10 MotiDungri	2	2.85	0.11	Approximately from year 2000	-
41	Pehowa	KKR Road	2	0.5	0.008	Since 2018	
42	Rewari	RamsinghpuraBawal	12	Varies from average1.22 mtr to average3.20 mtr		0.6	Since 2005
43	Bawal	There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera.					
44	Dharuhera	There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera.					
45	Sohna	Old Delhi Alwar Road BehindNirankari College Sohna	5	2.00-2.25	0.51	2010	
	Taraori	Nadana road near electricity power house M.C Taraori	0.22	3.5	0.0315	Approx 8-10 Years	
		Nadana road near					

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (inMtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
46	Taraori	electricity power house M.C Taraori	0.11	3.5	0.0157	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.19	3.5	0.02625	Approx 8-10 Years	
		Nadana road near electricity power house M.C Taraori	0.15	1	0.006	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.33	4	0.054	Approx 8-10 Years	
	Taraori	Nadana road near electricity power house M.C Taraori	0.08	3.5	0.0126		
		Nadana road near electricity power house M.C Taraori					
47	Nissing	Near Mata SundriKhalsa Girls College Karnal-Kaithal Road	2	3	0.15	This Dumpsite is under operation since the time of Gram Panchayatnissing	Municipal Nissing was constituted in the year 2010, but this dumpsite is in operation from the time of gram panchayat.
48	Hodal	Gadhi Mod, Hodal	2	1	0.04		
49	Siwani	Tosham Road	2.3	1.2	0.07	SINCE LAST 7-8 YEARS	
50	Tauru	BurakhaPahadi	1	3.5	0.35	2009	
51	Ganaur	Badshahi Road, Near Telephone Exchange, Ganaur.	4.4	4.5	0.25	18 YEARS APPROX.	
52	Kalanwali	Dadu Road, Ward No. 10	2	below ground level	0.0328	30 years.	
53	Mahendergarh	DohanNadi	4	1.5	0.12138	since 4 years	
54	Narwana		2	4.5	Not estimated	since 1987	
55	Hathin		NA	NA	NIL	NA	There is no permanent landfill site in MC Hathin.
56	JakhalMandi	Balran Road	0.55	7	0.00015	20.01.2020	
57	Jhajjar	Village	8.6	1.5	0.01818	since 2017	

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (in Mtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
		UtlondhaDistt. Jhajjar					
58	Karnal	Village Sekhpura, Karnal	8	6	0.714	41944	
59	Sadaura	Kala Amb Road Near ITI	2.5	-	-		
60	Naraingarh	There is no dumpsite in MC, Naraingarh. All the Solid waste, garbage of MC Naraingarh is transported to Patvi dumpsite of Ambala City.					
61	Ambalasadar	There is no dumpsite in MC, Ambalasadar. All the Solid waste, garbage of MC AmbalaSadar is transported to Patvi dumpsite of Ambala City.					
62	Pundri	Near kakaut Road	1	NIL	0.0002	27.03.2020	
63	Sampla	MC, Sampla sent all solid waste to SWM Plant Rohtak.					
64	Kalanaur	MC, Kalanaur sent all solid waste to SWM Plant Rohtak.					
65	Kundli	On Narela Road	1	below ground level	0.00008	42095	
66	Bhiwani	Dadri Road, Bhiwani	10	2.00-3.00	0.22403	Since the existence of MC.	
67	Hansi	Near biid Farm	2	5 feet height and 5 feet deep			
68	Ismailabad	pehowa-ismailabad-ambala link road opposite reliance petrol pump	1	--	0.005	since 2008	
69	Samalkha	GarhiChhaju	0.22	4.95	0.28239	27.02.2008	
70	Tohana	Baba Buta shah Basti	1	3 mtr deep from the ground	0.1	2019	
71	Thanesar	village bazidpur near pipli zoo	4	1.91	0.008	2019	
72	MandiDabwali	Near Rambagh	8	4.26 Av.	0.30684	2008 (12 Years)	
73	Bass	New Committee			0.003		
74	Sisai	New Committee			0.003		

Sr. No.	Name of MC	Dumpsite Location	Area Covered (In Acre)	Height (inMtr.)	Quantity (in Lakh MT)	Date since the dumpstie is in operation	Remarks
75	Bhuna	Kula road, Bhuna	1.5	2	0.1	2012	
76	cheeka	Khrodi Road	1.5	4	0.392	2012	
77	Uchana	KheriMasaniya Road, Near kabristan, uchanaKalan	0.4	8	0.0578	06.01.2020	
78	Barara	Near sajanMajri Road	7	2.43	0.08737	since 2016	
79	Loharu	Pilani Road, Loharu	2	1.22	0.002	2006	
80	Kalayat	Kapil Muni Road, Ward No. 8 near shamshanghat, Kalayat	1.5	2.31	0.12	Jan, 2005	
81	BawaniKhera	Hansi-bhiwani main Road	4	1.22	0.009	from last 5 years	
82	Beri	Kabulpur road, near shiv dhamBeri.	0.5	0.25	0.006	Jan-20	
		BeriJhajgarh road near bhagalpuri chock Beri.	1	1	0.05475	Till March 18	
83	Sonepat	Murthal bye pass (Near DCRUST University)	5	0	0.5	Since 2017	
84	Punhana	Mandikhera, Jamalgarg Road	0.5	0	0.2	Since 2009	
85	AteliMandi	Village Khor	1	1	0.01942	2018	
86	Barwala	Kharkhra Road, Barwala	1.75	1.2	0.0052	Since 2018	
87	UklanaMandi	ThehUklana	2	1.2	0.006	Since 2017	

Annexure-6

Details on Captive TSDF(s)

Period: 2019-20

Name of SPCB/PCC:- HSPCB

Sr. No	Name and address of the Captive Facility	Type of facility (Landfillable/ Incinerable/ both)	Capacity		HW disposed during the year (MT)		Cumulative HW disposed till the end of financial year (MT)	
			Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
1	M/S Panipat Refinery ,IOCL Panipat	Landfillable	0	2500	1464.5	0	15964.5	0
2	M/s Crystal Crop. Protection Pvt. Ltd. (Unit-II) (Tech. Plant) , Vill. Nathupur, Sonapat.	Incinerable	0.05	0	--	0.005	--	42.805
3	M/s Indogulf Cropsciences Ltd., (Jai Shree Rasayan Udyog Ltd.), (new unit Tech. Plant) , Vill. Nathupur, Sonapat	Incinerable	0.05	0	--	4.62	--	50.62
4	M/s Marino panel Products Ltd., vpo rohad, Jhajjar	Incinerable	15	Nil	Nil	85.6	Nil	Nil

Annexure-7

MI Project under NABARD (1st Phase)

Sr. No	Name and Address of STP	Deptt.	Capacity (MLD)	Flow of Inlet (In MLD)	Treated Effluent (In MLD)	Quantum of Treated effluent being reused (In MLD)	Mode of reuse (Irrigation / horticulture /Industrial use / any other)	CCA (Hectares)	App. Cost (CCA in ha*2.10 lacs) otherwise actual	Status
1.	Barara SBR Technology Ambala	PHED (SBR)	6.00	To be filled by PHED	4.00	2.00	Irrigation	546	1146.60	AA received from Govt. on 22.04.2021. Tenders approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 31.12.2022
2.	Naraingarh - MBBR Ambala	PHED (MBR)	5.00	To be filled by PHED	3.00	1.40-1.70	Irrigation			
3.	Hisar Lalpura Road Hansi- MBBR	PHED	7.50	To be filled by PHED	7.50	6.00	Irrigation	372	781.20	Hearing completed. AA for Rs 1349.00 lacs recd from Govt. on 25.10.2021 Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
4.	Narnaund-Hisar	PHED	4.00	To be filled by PHED	4.00	2.00	Irrigation	198	415.80	Hearing completed. AA received from Govt. for Rs 4.44 Cr. on 11.10.2021. Estimate appd. Tender under process Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023

5.	Rishi Nagar-Hisar	PHED	40.00	To be filled by PHED	40.00	25.00	Irrigation	2569	5394.18	Administrative Approval received on 28.04.2021. Estimate under preparation Date of start-01.06.2022 Date of completion 30.12.2023
6.	Gulha Cheeka SBR Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation	794	1667.40	Hearing completed. AA received from Govt for Rs 10.25 Cr on 11.10.2021. Estimate appd. Tenders opened and under process Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
7.	Jind Road, Kaithal KTL drain SBR-Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation			Hearing completed AA for Rs 1372.97 lacs received from Govt on 20.10.2021. Estimate appd. Tenders under process. Likely Date of Start- 01.5.2022 Likely Date of Completion- 30.06.2023
8.	Majra, -MBBR Fatehabad	PHED	10.00	To be filled by PHED	10.00	7.50	Irrigation	496	1041.60	Hearing completed. AA received from Govt. Tender opened on 29.01.2022 and under process Likely Date of Start- 01.05.2022 Likely Date of Completion- 30.06.2023
9.	Village Amani, Tohana-MBBR Fatehabad	PHED	10.00	To be filled by PHED	10.00	7.50	Irrigation	496	1079.32	AA accorded by Govt. on 11.02.2021. Tender approved and work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
10.	Jakhal-SBR Fatehabad	PHED	3.00	To be filled by PHED	3.00	2.25	Irrigation	149	343.59	AA received from Govt. on 14.01.2021. Tender appd, work to start shortly Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023
11.	Ratia - MBBRFatehabad	PHED	6.50	To be filled by PHED	6.50	4.88	Irrigation	323	739.42	AA received from Govt.on 11.02.2021. Tender approved and work to start shortly. Likely Date of Start- 01.04.2022

										Likely Date of Completion- 30.06.2023
12.	Kalka -MBBR Panchkula	PHED	4.75	To be filled by PHED	4.75	3.25	Irrigation	250+250 = 500	1518.00	AA received from Govt. on 22.04.2021. However, it has been observed during final survey that the project is not feasible
13.	Nalagarh Road, Manakpur, Pinjore -MBBR Panchkula	PHED	5.00	To be filled by PHED	5.00	1.50-2.00	Irrigation			AA received from Govt. on 22.04.2021. Estimate under checking. Likely Date of Start- 01.06.22 Likely Date of Completion- 30.06.23
14.	STP Jind-MBBR Jind	PHED	15.00	To be filled by PHED	15.00	-	Irrigation	992	2083.20	AA received. Estimate is under checking. Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
15	STP Narwana MBBR Jind	PHED	5.00	To be filled by PHED	5.00	3.75	Irrigation			Hearing completed. Not Feasible. More than 80% Farmers did not agree.
	Total		141.75					7435.00	16210.31	