HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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HSPCB Date:-01/12/2021

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 October,2021.

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 October,2021 on the prescribed format for your kind information and necessary action please.

DA/ As above

Signed by Jatinder Pal Singh
Date: 01-12-2021 17:05:43
Reason: Approved

Sr. Env. Engineer(HQ)
For Member Secretary

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 October, 2021

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

- ✓ Ghaggar catchment
  Urban Population **–** 26.9 lacs.

- ▪ Yamuna catchment
  Urban Population **–** 73.4 lacs.

- ❖ Other areas-
  Urban Population- 11.2 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. <u>Details of Sewage Treatment Plant:</u>

- **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

35 STPs of 225 MLD capacity are 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.**

The details of all the existing STPs in the state are given in the table as under:-

Table:- Details of each existing STP in the State

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	2 Non Complying in F. Coli. and 2 STP is complying & 8 STPs non-complying (3 MLD Unit-I, Naya Gaon, 3.25 MLD Baldev Nagar, Unit-II , 5 MLD Baldev Nagar, Unit-I, Ambala, 5 MLD Moti

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
					Nagar, Unit-I, 5 MLD Moti Nagar, Unit-II,6 MLD Modal Town, 3.25 Nasirpur and 3 MLD Devi Nagar, Ambala)
3	Ratia	6.5	4.5	Operational	Non Complying
4	Tohana	10	8.2	Operational	Non Complying
5	Jhakal Mandi	3	1.5	Operational	Complying
6	Fatehabad	33	14	Operational	1 STP Non Complying in F. Coli and 2 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	Non complying
11	Jind	37	20	Operational	1 STP Non Complying in F. Coli, 1 STP Complying (2 Non-Complying 15 MLD, Jind and 5 MLD STPs at Jind are non complying)
12	Safidon	9	3.2	Operational	Complying
13	Cheeka	10	5.5	Operational	Complying
14	Kaithal	37.5	21.5	Operational	complying
15	Kalayat	5	3.5	Operational	complying
16	Pundri	3.5	3.25	Operational	complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
17	Shahabad	11.5	6.5	Operational	Complying
18	Pehowa	8	5.5	Operational	Complying
19	Thanesar	40	18	Operational	Complying
20	Kalka	4.75	2.55	Operational	Non Complying in F. Coli
21	Pinjore	5	3.5	Operational	Non Complying in F. Coli
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	Complying
25	Sirsa	45	29.5	Operational	1 STP Non Complying in F. Coli , 2 STPs Non-Complying (5 MLD Nattar 1, Sirsa and 5 MLD Nattar 2, Sirsa) and 1 STP complying
26	Rania	6	2.60	Operational	Non Complying in F. Coli
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	Non Complying in F. Coli
7	Taraori	5.5	3.8	Operational	Non Complying in F. Coli
8	Indri	4	2.35	Operational	Non Complying in F. Coli
9	Karnal	68	59	Operational	3 STPs Non Complying in F. Coli
10	Nissing	4	2.3	Operational	Non Complying in F. Coli

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
11	Gharaunda	7	4.7	Operational	Non Complying in F. Coli
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	Non Complying
15	Ganaur	7	5.5	Operational	Non Complying
16	Sonepat	62.5	48.3	Operational	2 STPs are Complying and 1 STP Non-Complying
17	Kharkhoda	4.5	2	Operational	Non Complying
18	Maham	5	2.65	Operational	Non Complying
19	Rohtak	93.5	49.7	Operational	2 STPs Complying (2 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	2 STP Non-Complying (18 MLD STP, Linepar, Bahadurgarh by PHED and 10 MLD, Sec-36, Bahadurgarh) and 1 STP is non complying in F. Coli.
24	Jhajjar	10.5	6.45	Operational	Non Complying
25	Taoru	4.5	2.6	Operational	Non Complying
26	Gurugram	388	474	Operational	1STPs are non complying in F. Coli , 3 STPs complying and 1 STP non-complying (100 MLD Dhanwapur, Gurugram).
27	Nuh	3.6	2.3	Operational	Non Complying

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
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 Non Complying (45 MLD Badshahpur, Faridabad) and 1 STP is 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 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	Non Complying in F. Coli
9	Bhiwani	15		Operational	Non Complying in F. Coli
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	Non Complying in F. Coli
15	Siwani	4	2.75	Operational	Non Complying
16	Mohindergarh	6.5	2.5	Operational	Non Complying
17	Ateli Mandi	2	1.16	Operational	Non Complying
18	Kanina	3	0.89	Operational	Non Complying
19	Rewari Road, Narnaul	7.5	5	Operational	Non Complying
20	Bawal	3	2	Operational	Non Complying
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

Sr. No.	Town	Existing STP Capacity (MLD)	Capacity Being Utilized	Operational status of STP	Compliance status of STPs
27	Assandh	5	3.80	Operational	Non Complying in F. Coli
28	Hansi	6.5	13	Operational	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	Non Complying in F. Coli
34	Dharuhera	5		Operational	Complying
35	Near Chinkara Rest House, Rewari Road, Narnaul	6		Operational	Non Complying in F. Coli
Total		**225**	**131.31**		

B <u>Details of under construction STPs in the State</u>

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	32%	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	91%		31.12.2021
6	Shahpur Machhonda	7.5	38%		31.08.2022
7	Saketri-STP	1.5	72%		31.03.2022
8	Sirsa	7.5	93%		31.12.2021
9	Sukhdarshanpur	0.75	100%		31.07.2021
10	Uchana	2	70%		31.12.2021
11	Ramgarh, Panchkula	1	73%		31.03.2022
	Total	**55.75**			
Yamuna Catchment					

Sr. No.	Location	Capacity of the plant in MLD	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Shiv Colony, Karnal	8	86%	195520 House sewer connections provided in the Yamuna Catchment.	28.02.2022
2	Phooshgarh, Karnal	20	87%		28.02.2022
3	Garhi Bohar, Rohak	12	89%		31.10.2021
4	Singhpura, Rohtak	10	98%		31.10.2021
5	Peer Bodhi, Rohak	15	46%		30.09.2022
6	Faridabad, sector-21	10	36%		31.12.2021
7	Kithwari	10	55%		31.03.2022
8	Jodhpur Road, Palwal	15	60%		31.03.2022
9	Ferozpur, Palwal	2.5	60%		31.03.2022
10	Sonepat (Aterna)	15	60%		31.12.2021
11	Murthal Sonepat	3	29%		31.12.2022
12	Jhazgarh	20	24%		31.12.2021
13	Dhankot, Gurugram	2	0%		31.12.2021
14	Bajghera	2	20%		31.12.2021
15	Rohtak	10	85%		31.12.2021
16	Mirjapur, Faridabad	80	27%		30.11.2022
17	Partapgarh, Faridabad	100	32%		30.11.2022
18	Faridabad	30	60%		30.06.2022
19	Beri	2	95%		31.03.2022
	Total	**366.5**			

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
2	Dev Colony, Panipat	15	The work of dewatering and de-silting has been completed at site.	31.01.2023
3	Barsat Road, Panipat	25	The land for the construction of STP has been procured by the agency and Basic Engineering Package which includes design, drawings, layout etc. (BEP) is also got approved from the PDMC.	31.01.2023
	Total	**65**		

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	3474	121.11	3474	814
2	Ghaggar	212	5.2	212	28
	Total	**3686**	**126.31**	**3686**	**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	0	0	2	3
3	Other Areas	1	22.5	0	0	0	0
	Total	**19**	**190.1**	**3**	**19**	**7**	**148.5**

- **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. **Proposed**-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		**Proposed**- 1 CETP of 1.5 MLD capacity.
Total	**212**	**5.2**		

Yamuna Catchment

Town	No. of industries	Industrial Discharge (I n 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.

Town	No. of industries	Industrial Discharge (I n MLD)	Status of ETPs	Status of CETPs (existing, under construction & proposed)
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	**3474**	**121.11**		

The list is enclosed is as under:-

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
River Yamuna					
1	IE Rai, Sonepat	5	HSIIDC	2417 dt. 30.09.2021	Complying
2	IE Barhi, Sonepat	16	HSIIDC	2367 dt. 29.09.2021	Complying
3	IE Kundli, Sonepat	4	HSIIDC	2365 dt. 29.09.2021	Complying
4	IE Murthal, Sonepat	0.2	HSIIDC	2366 dt. 29.09.2021	Complying
5	IMT Rohtak	10	HSIIDC	1074-1075 dt. 06.10.2021	Complying
6	IE Kutana, Rohtak	3	HSIIDC	Under trial run	
7	IE Panipat Refinery Complex, Panipat	2.5	HSIIDC	Could not be functional, due to Non availability of sufficient effluent	
8	HSIIDC Sector 16-17, Bahadurgarh	12.5	HSIIDC	1083-1084 dt. 08.10.2021	Complying
9	IMT faridabad	10.5	HSIIDC	485 dt. 03.11.2021	Complying
10	IMT Manesar, Gurugram	55	HSIIDC	1033-1034 dt. 27.10.2021	Complying
11	Sector-29, Panipat	21	HSVP	2533 dt. 12.10.2021	Complying
12	Sector-29, Panipat	21	HSVP	2532 dt. 12.10.2021	Complying
13	Faridabad Electroplaters Association	0.6	Private	483 dt. 03.11.2021	Complying
14	Industrial Area, Sector-37, Gurugram	0.2	Private	985-986 dt. 21.10.2021	Complying
River Ghaggar					
15	IE Barwala, Panchkula	0.5	HSIIDC	2287 dt. 24.09.2021	Complying
16	Ambala Cantt.	0.5	HSIIDC	2476 dt. 05.10.2021	Complying
17	Saha, Ambala	5	HSIIDC	2477 dt.	Complying

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Analysis report no. and date	Compliance status
				06.10.2021	
18	I. E. Jind	0.1	HSIIDC	1062-1063 dt. 06.10.2021	Complying
Other areas					
19	IMT Bawal, Rewari	22.5	HSIIDC	901-902 dt. 04.10.2021	Complying
	Total capacity	**190.1**			

V. **Solid Waste Management:**

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

  There are 92 Municipalities in the State out of which MC, Manesar, MandiAdampur, Badhda, Seewan have been recently notified as Municipalities. Approximate 5523 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.**

  Total generation of Municipal Solid Waste is approximate 5523 TonnePerDay. A brief status regarding management of Solid Waste in ULBs is as under:-

SWM Activities in State	Quantity
Total No. of Wards	1576
Quantity of Solid Waste	5523 TPD
No. of wards with 100% Door to Door Collection	1558
No. of wards where segregation is initiated	1415
Quantity of Wet waste	2990 TPD
Quantity of dry waste	2533 TPD
Quantity of wet waste being processed	1719 TPD
Quantity of dry waste being processed	1396 TPD
No. of vehicles for D2D collection	4330
No. of vehicle with Compartment	3830
No. of vehicles with GPS	2581
No. of GVPs Identified	730 out of which 684 GVP has been removed
No. of BWG identified	1982
No. of BWG processing on site	1099
No. of Solid Waste Challan collected in last three months	470 challans done Rs. 1,42,240/- amount collected in month of July-September 2021
No. of Plastic Waste Challan collected in last three months	1289 challans done Rs. 9,22,310/- amount Collected in month of July-September2021

There are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (150 TPD), Sirsa (50 TPD) & Karnal (150 TPD). Apart from the above, three Bio-Methanation Facilities are

also operational in Faridabad, Panchkula, Radaur and one Bio-CNG plant is operational in Karnal.

Further, there are approximate 1800 compost pits and 1490 pits for horticulture wastein various MCs. In addition, approx.11208 household pits have been constructed to encourage the households for home composting in AmbalaSadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula&Rohtak.

For processing of dry waste 444 Material Recovery Facilities (MRF) has also been constructed in 60 Municipalities out of which 93 MRF centers are owned by Municipalities and 351 MRF centers owned by private parties are functional in Gurugram.

Further, Waste to Energy Plant at ISWM Sonepat-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 work of construction of WtE plant is likely to be started by December 2021. The plant is likely to be commissioned by July 2023.

- **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.**

  There are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (150 TPD), Sirsa (50 TPD) & Karnal (150 TPD). Apart from the above, three Bio-Methanation Facilities are also operational in Faridabad, Panchkula, Radaur and one Bio-CNG plant is operational in Karnal.

  Further, there are approximate 1800 compost pits and 1490 pits for horticulture wastein various MCs. In addition, approx.11208 household pits have been constructed to encourage the households for home composting in AmbalaSadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula&Rohtak.

  For processing of dry waste 444 Material Recovery Facilities (MRF) has also been constructed in 60 Municipalities out of which 93 MRF centers are owned by Municipalities and 351 MRF centers owned by private parties are functional in Gurugram.

  Further, Waste to Energy Plant at ISWM Sonepat-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 work of construction of WtE plant is likely to be started by December 2021. The plant is likely to be commissioned by July 2023.

- **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 92 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 Sonepat-Panipat and Gurugram-Faridabad have been awarded and construction of Sonepat-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 14approx. 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

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)
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 Gaziyabad 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**
  There are total 1540 wards in MCs of Haryana out of which 1467 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated 1103 wards.
- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology).**
  Detail is already 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

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
92	5523	2375	03 having capacity 350 TPD apart from this MCs are adopting the pit/windrow composting for processing of waste.	350 TPD	13 ISWM clusters having capacity 6630 TPD. Out of which waste to energy plant of 500 TPD capacity at Sonepat is likely to be commissioned by April, 2021 and rest of the plants are likely to be commissioned by December, 2022.

VI. Bio-medical Waste Management:

- **Total Bio-medical generation:**
  As per the annual report for 2019, total 14810 kg/day bio medical waste is generated in State of Haryana.

- **No. of Hospitals and Health Care Facilities:**
  As per the annual report for 2019, there are 5526 no. of HCFs in State of Haryana.

- **Status of Treatment Facility/ CBMWTF**:
  As per the annual report for 2019, 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**:

Approximate 520 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 idenfied. 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 Sonepat 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

Region Name	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted Time Bound	Action plan not required/completed
Panchkula	38	8	19	2	9
Ambala	39	12	2	10	15
Kurukshetra	56	2	6	15	33
Kaithal	85	26	14	24	21
Hisar	18	0	0	6	12
Yamuna Nagar	18	1	0	11	6
Karnal	1	0	0	0	1
Total	**255**	**49**	**41**	**68**	**97**

River Yamuna

Region Name	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted time bound	Action plan not required/ completed

Region Name	Total locations	Status of Action Plan			
		Submitted action plan	Not submitted Action plan	Not submitted time bound	Action plan not required/ completed
Yamuna Nagar	19	2	2	1	14
Kurukshetra	1	0	0	1	0
Karnal	3	0	1	0	2
Panipat	9	0	2	0	7
Sonepat	37	12	11	2	12
Faridabad	46	29	0	0	17
Bahadurgarh	10	3	0	0	7
Total	**125**	**46**	**16**	**4**	**59**

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 and 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.

<u>Ghaggar</u>

(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	8.5	1100
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	20	125	46000
3	Singh Nallah choe before entring punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038)	30.664066, 76.843880	9.10	40	40000
4	Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008)	30.388012, 76.790604	28.65	44	148000
5	Ghail drain at Samaspur, Ambala (AMB-RDQ-011)	30.333736, 76.667902	15.91	8.4	220000
6	Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002)	Longitude 76026.218' and Latitude 30005.025'	152.82	42	130000

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F. Coli
7	Cheeka Drain/Old Ghaggar Creek (KTL-RDQ-008)	Longitude 76.232452' and Latitude 30.064188'	36.4	40	170000
8	Sagar Para Drain before mixing in Ghaghar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011)	Longitude 76011.249' and Latitude 29052.976'	14.3	42	180000
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'	10	44	210000
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	26	22000
11	Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002)	29.787241, 75.827388	3	8	9000
12	Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018)	29.489644, 74.741455	0.05	12.7	9000

7 (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	68	8.2	11000
2	Ghaggar before meeting Kaushlaya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015)	30.639975/ 76.872849	874.00	7.5	46000
3	Ghaggar River D/S after meeting Kaushalya River (NWMP-Station Code- 1885) (PKL-RDQ-017)	30.740980, 76.909826	960	5.4	200
4	U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-022)	30.613894/ 76.836044	980	7.5	1100
5	D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024)	30.642798, 76.874462	988.5	8.5	130000
6	Ghaggar River before meeting Ambala Drain (AMB-RDQ-007)	30.402314, 76.743059	73.5	7	110
7	Ghaggar River after meeting Ambala Drain (AMB-RDQ-009)	30.398033, 30.398033	102.15	16	170
8	Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB-	29.71135/ 75.552123	102.15	7.2	70

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg/l)	F.Coli (MPN/100 ml)
	RDQ-010)				
9	Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) (AMB-RDQ-012)	30.332689, 76.668607	118.06	7.2	130
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'	152.82	47	220000
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'	305.64	41	280000
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'	305.64	36	310000
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	330.09	40	170000
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	45	170000
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')	14.3	47	130000
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	52	280000
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'	10	42	310000
18	River Ghaggar before meeting discharge of Ratia. (HSR-RDQ-005)	29.693333, 75.580474	536.58	39	280000
19	River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007)	29.716549, 75.549705	540.58	35	130000
20	River Ghaggar before meeting discharge of Jhakhal (29.786392,	29.786392, 75.826893	682	44	170000

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (In MLD)	BOD(mg/l)	F.Coli (MPN/100 ml)
	75.826893) (HSR-RDQ-001)				
21	River Ghaggar after meeting discharge of Jhakhal (29.786392, 75.826893) (HSR-RDQ-003)	29.786392, 75.826893	685	32	120000
22	River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017)	29.457123, 74.677554	-	43	180000
23	River Ghaggar after discharged of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019)	29.489821, 74.746049	-	27	120000

(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 46 locations and non complying at 32 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	6	9
5	Kurukshetra	1	1	0
6	Hisar	5	0	5
7	Sirsa	23	15	8
8	Fatehabad	18	10	8
Total		**78**	**46**	**32**

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	125	60	63000
2	Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008)	29.280218, 77.120858	955.2	76	141000

Sr. No.	Name of drain	latitude/ Longitude	Flow (in MLD)	BOD (mg/l)	F.Coli
3	Drain no. 6 before entry in Delhi (SNP-RDQ-001)	28.890391, 77.109702	55	72	58000
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	10	36	280000
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	6	34	280000
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	44	21	80000
7	Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002)	28.531019, 77.001858	72	16	9840
8	Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005)	28.508322, 76.975010	135	19	8200
9	Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008)	28.484470, 76.953334	398	28	12600
10	Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010)	28.382511, 77.481014	373.74	115	37200.0
11	Gaunchi Drain before River Yamuna, Palwal (PWL-RDQ-005)	27.914783, 77.517323	1234.25	27	35000.0

(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	UP	4.8	900
2	River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-RDQ-003)	30.068276, 77.348271		7	1700
3	River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001)	29.73327/77.1277	352	2.6	170
4	River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003)	29.72592 and 77.13278	381	5.6	210
5	River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli		664.5	6.2	1700

Sr. No.	Drains meeting with river Yamuna	latitude/ Longitude	Flow (in Cusecs)	BOD (mg/l)	F.Coli
	(PNP-RDQ-007)				
6	River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009)	28.86158/ 77.206427	674.5	1.6	2600
7	River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002)	28.884931, 77.147185	97.84	4.8	1700
8	River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004)	28.379079/ 77.486982	110.07	3.8	22100
9	Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009)	28.384703, 77.489578	370	22	27300.0
10	Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011)	28.372917, 77.487966	405	32	33000.0
11	River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004)	27.914783, 77.517323	355	20	19000.0
12	River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006)	27.909736, 77.521114	472	29	22000.0

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

Ground water quality is being monitored at 66 locations in the catchment of river Yamuna by HSPCB. Out of total 66 locations, ground water is found fit for drinking at 44 locations and non complying at 22 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	0	8
5	Gurgaon South	10	10	0
6	Gurgaon North	8	8	0
7	Karnal	5	0	5
8	Nuh	1	0	1
9	Sonepat	11	11	0
	Total	**66**	**44**	**22**

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA 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

Project was prepared under the guidelines of the scheme for "Ïncentivization Scheme for Bridging Irrigation Gap (ISBIG) of Ministry of water Resources, River Development and Ganga Rejuvenation, govt. of India" under components infrastructure for conveyance and additional treatment of municipal and industrial wastewater for augmenting water for the farm use "Project Under newly created Irrigation Efficiency in phasing during the financial year 2018-19 to 2020-2021 for amounting in Rs. 235.94 Crore only. 13 STPs with 157.60 capacity in the catchment of river Yamuna are selected for the project.

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

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

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 and quantity of flow is as under:

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 an 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 108 villages in the catchment areas of river Ghaggar and has proposed to plant around 5.8 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	16	353008	180000
2	Ambala	10	66850	48000
3	Kaithal	6	13200	9500
4	Fatehabad	30	382345	215870
5	Sirsa	46	199450	127860
Total		**108**	**1014853**	**581230**

River Yamuna

Urban an 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	Jagadhri / Yamunagar	500	1178	1347
2	Shahabad	0	0	0

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
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 64 villages in the catchment areas of river Yamuna and has proposed to plant around 2.2 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	Yamuna Nagar	9	99464	65280
2	Karnal	14	24500	20000
3	Panipat	16	102950	76208
4	Sonepat	16	20000	16860
5	Faridabad	6	40000	32185
6	Palwal	3	17510	16800
Total		**64**	**304424**	**227333**

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
Total		**12611**

River Yamuna

District	Names	Area in Acre
Yamuna Nagar	i) Rudraksh Vatika at village Chuharpur	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

District	Names	Area in Acre
Palwal		0
Total		**253**

XX. Reuse of Treated Water:

The State has also prepared the action plan for reuse of treated sewage and same is submitted to CPCB. As per the action plan, approx 80% of treated sewage will be reutilized by 2024-2025.

Irrigation & Water Resources Department has formulated a project costing Rs. 500.00 crore for 35 STPs having capacity of 338.85 MLD for use of treated waste water for irrigation – Details of STPs collected from I&WR attached as **Annexure-7.**

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	Compliant lodged against illegal minors	FIR lodged against illegal minors
PKL	Nov-20	4	1	211500	0	0
	Dec-20	1	2	631000	0	0
	Jan-21	7	3	943850	0	0
	Feb-21	19	7	1521000	1	1
	June, 21	295	170	46314091	3	3
YNR	Nov-20	38	20	6061000	33	17
	Dec-20	59	25	8514142	28	23
	Jan-21	58	13	3659000	31	27
	Feb-21	40	13	3368000	36	10
	June, 21	81	26	6629000	0	27
PNP/KNL	Nov-20	20	13	3910000	0	0
	Dec-20	30	26	6260000	0	0
	Jan-21	12	9	2014000	0	0
	Feb-21	16	13	3221000	0	0
	June, 21	20	13	3223800	0	0
SNP	Nov-20	33	24	6162850	2	0

District	Period	Vehicle seized in illegal mining/illegal transportation of mineral	Vehicle released	Penalty imposed	Compliant lodged against illegal minors	FIR lodged against illegal minors
	Dec-20	46	24	6382135	1	0
	Jan-21	43	22	6574875	1	0
	Feb-21	19	37	11131750	1	0
	June, 21	15	0	0	0	0
FBD/PWL	Nov-20	6	9	2271744	0	0
	Dec-20	4	11	3746790	0	0
	Jan-21	1	8	1360300	0	0
	Feb-21	530	397	107854788	0	0
	June, 21	24	12	1530150	0	0
KKR/KTL	Feb-21	10	5	1556000	0	0
	June, 21	19	10	2050000	0	0
AMB	Feb-21	12	5	1529500	0	2
	June, 21	11	1	214500	5	5
	Total	**1473**	**919**	**248846765**	**142**	**115**

Now, information for the month of July to Sept, 2021 has been prepared as per table given below:

District	Month	Vehicle seized in illegal mining/illegal transportation of mineral	Vehicle released	Penalty imposed	Compliant lodged against illegal minors	FIR lodged against illegal minors
Panchkula Ambala Yamuna Nagar Kurukshetra/Kaithal Panipat/ Karnal Sonepat Faridabad/ Palwal	**July-21**	**132**	**72**	**10987120**	**42**	**69**
	Aug, 21	**113**	**51**	**5692671**	**17**	**31**
	Sept, 21	**51**	**36**	**4719676**	**28**	**21**
	Total	**296**	**159**	**21399467**	**88**	**121**

Apart from above information, the concerned field officers have also provided the status of running mines under Ghaggar Action Plan/River Action Plan. The districtwise status of such mines are as under:-

Sr. No.	Name of District	Name of mines	Violation if any	Action taken by field officer
1	Panchkula	M/s Tripati Roadways-Rattewali	No violation reported.	
		M/s Ganesh Royalty Co (Charnia Block-4)	Defaulted in payment	Defaulted in payment of contract money from June, 2020 to todate. Notice issued on 19.02.2021 but only part payment deposited.
		M/s Shiv Enterprises (Sukhdarshanpur Block-13)	No violation reported	
2	Ambala	No operational mines		
3	Yamuna	M/s Tripati Earth &	No violation	

Sr. No.	Name of District	Name of mines	Violation if any	Action taken by field officer
	Nagar	Project Pvt. Ltd. (Block Nagla Rangran)	reported	
		M/s Joginder Singh S/o Mohinder Singh (Block Gumthla North)	Defaulted in payment	Defaulted in paying contract money but mine was suspended & revoked.
		M/s Elite Mining Corporation (Block Gumthla south)	No violation reported	
		M/s Development strategies India Pvt. Ltd. (Block Pobari)	Defaulted in payment	Contract money (CM) not paid since 01.12.2020 to date.
		M/s Kawaljeet Singh Batra (Block- MT Karehra)	No violation reported	
		M/s MP traders (Block Nagli)	No violation reported	
		M/s Joginder Singh S/o Mohinder Singh (Block- Gumthla south)	No violation reported	
		M/s P.S Builtech (Block Jathlana)	No violation reported	
		M/s Astin Excavation & Mining Pvt. Ltd. (Unit-II)	Defaulted in payment	Not paid CM from 01.08.2020 to date but mine suspended and revoked
		M/s JPY Consortium Pvt. Ltd. (Block Dhanoura)	Defaulted in payment	Not paid CM from 01.04.2020 to 31.03.2021 E-rawana suspended & later on revoked.
		M/s Routes & Journeys (Block-Beer Tapu)	Defaulted in payment	Defaulted in payment from 01.11.2020 to 31.03.2021. Mines suspended & revoked later on.
		M/s JSM Pvt. Ltd. (Block- Mandoli Ghaggar East)	Defaulted in payment	Defaulted in payment from 01.12.2020 to 31.03.2021.
		M/s JSM Pvt. Ltd. (Block- Mandoli Ghaggar West)	Defaulted in payment	Defaulted in payment from 01.12.2020 to 31.03.2021.
		M/s Mubarikpur Royalty Company (Block – Bailgarh South)	Defaulted in payment	Defaulted in payment from 01.01.2021 to 31.03.2021.
		M/s P.S. Buitech (Block-Kanalsi)	Defaulted in payment	Defaulted in payment from 01.11.2020 to 31.03.2021.
4	Kurukshetra	No operation mines		
5	Panipat/	M/s Jai Yamuna Ji	No violation	

Sr. No.	Name of District	Name of mines	Violation if any	Action taken by field officer
	Karnal	Developers	reported	
6	Sonepat	M/s Anand Singh and Co (Tikola-2)	No violation reported	
		M/s Yodha Mines and Minerals (Jainpur-2)	No violation reported	
7	Faridabad/ Palwal	No operational mines		

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

Action by HSPCB

✓ **Ghaggar**

- No. of industries inspected - 263
- No. of closure order issued against violating units - 232
- No. of violating units prosecuted - 67
- No. of violating units against whom EC imposed - 39
- Amount of EC Imposed - 7.9 Crore
- Charge sheet issued against 1 Environmental Engineer & 1 Assistant Environmental Engineer for failure for vigorous monitoring.

▪ **Yamuna**

- No. of industries inspected - 1119
- No. of closure order issued against violating units - 847
- No. of violating units prosecuted - 240
- No. of violating units against whom EC imposed - 62
- Amount of EC Imposed - 65.5 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	27.10.2021	Non-Complying
2	3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016	PHED	3.25	27.10.2021	Complying except Faecal Coliform
3	5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012	PHED	5	27.10.2021	Non-Complying
4	3.25 Baldev Nagar , Unit.II ,Ambala City by PHED in 1.4.2016	PHED	3.25	27.10.2021	Non-Complying
5	5 MLD Moti Nagar, Unit.I , Ambala City by PHED in June 2010	PHED	5	19.10.2021	Non-Complying
6	5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016	PHED	5	19.10.2021	Non-Complying
7	6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012	PHED	6	27.10.2021	Non-Complying
8	3.25 Nasirpur Ambala City by PHED in 31.9.2016	PHED	3.25	27.10.2021	Non-Complying
9	0.25 MLD Sadopur , Ambala PHED in 31.12.2016	PHED	0.25	27.10.2021	Complying
10	3.00 MLD Devi Nagar , Ambala City by PHED on 31.5.2013	PHED	3	27.10.2021	Non-Complying
11	3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014	PHED	3	27.10.2021	Non-Complying
12	2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	HSVP	2	28.10.2021	Complying except Faecal Coliform
13	5 MLD STP Ambala by HSVP		5		Complying
Kurukshetra					
14	25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	PHED	25	12.10.2021	Complying
15	8 MLD STP Model Town , Pehowa Kurukshetra by PHED in May dt. 2015	PHED	8	12.10.2021	Complying

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
16	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016	PHED	11.5	12.10.2021	Complying
17	15 MLD STP Kurukshetra by HSVP	HSVP	15	12.10.2021	Complying
Panchkula					
18	4.5 MLD Kalka Panchkula by PHED in 30.3.2015	PHED	4.5	18.10.2021	Complying except Faecal Coliform
19	0.25 MLD Kalka Panchkula by PHED in 28.5. 2017	PHED	0.25	05.10.2021	Complying except Faecal Coliform
20	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	PHED	5	05.10.2021	Complying except Faecal Coliform
21	18 MLD STP Panchkula by HUDA in 31.12.2002	HSVP	18	18.10.2021	Complying except Faecal Coliform
22	39 MLD STP Panchkula by HUDA in Nov. 2011	HSVP	39	18.10.2021	Complying
23	15 MLD STP Sector- 28, Panchkula by HUDA in 2012	HSVP	15	18.10.2021	Complying except Faecal Coliform
24	9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	GE	9	05.10.2021	Complying
Jind					
25	15 MLD STP by PHED Jind in Jan, 2009	PHED	15	26.10.2021	Non Complying
26	3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011	PHED	3.5	27.10.2021	Non-Complying
27	3.75 MLD STP Narwana Jind by PHED in Jan , 2011	PHED	3.75	27.10.2021	Non-Complying
28	02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017)	PHED	2	27.10.2021	Non-Complying
29	2 MLD STP Uchana Jind by PHED in 22.2.2012	PHED	2	26.10.2021	Non-Complying
30	1.5 MLD Uchana by PHED in 31.5.2013	PHED	1.5	26.10.2021	Non Complying
31	5 MLD STP Jind by PHED in 1.4.2016	PHED	5	26.10.2021	Non Complying
32	7 MLD STP, Jind by PHED in 30.11.2019	PHED	7	26.10.2021	Complying
33	9 MLD STP Safidon , Jind by PHED in 31.05.2018	PHED	9	26.10.2021	Complying
34	10 MLD by HUDA Jind in 27.12.2014	HSVP	10	26.10.2021	Complying except Faecal Coliform

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Kaithal					
35	10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013	PHED	10	22.10.2021	Complying
36	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	PHED	10	06.10.2021	Complying
37	10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR)	PHED	10	06.10.2021	Complying
38	10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR)	PHED	10	06.10.2021	Complying
39	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	PHED	5	21.10.2021	Complying
40	3.5 Pundri Kaithal by PHED in 4.7.2014	PHED	3.5	05.10.2021	Complying
41	7.5 MLD Kaithal by HUDA in 31.8.2016	HSVP	7.5	06.10.2021	Complying
Hisar					
42	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	PHED	15	04.10.2021	Complying
43	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	PHED	40	04.10.2021	Complying
44	4 MLD STP Narnaund, Hisar by PHED	PHED	4	04.10.2021	Complying
45	4 MLD STP Kaimri Road, Hisar by PHED in 2018	PHED	4	04.10.2021	Non-Complying
46	15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014	HSVP	15	04.10.2021	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	06.10.2021	Complying
49	5 MLD STP ,Vill. Nattar 1 , Sirsa by PHED in 1.5.2013	PHED	5	06.10.2021	Non-Complying
50	5 MLD STP , Vill. Nattar 2 , Sirsa by PHED in 14.09.17	PHED	5	06.10.2021	Non-Complying
51	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	PHED	7.5	06.10.2021	Complying
52	9.5 MLD STP, Daddu Road,Kalanwali , Sirsa by PHED in 17.02.2018	PHED	9.5	06.10.2021	Complying

Sr. No.	Name and Region of STPs	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
53	6 MLD STP Rania Sirsa by PHED in 30.6.2017	PHED	6	06.10.2021	Complying except Faecal Coliform
54	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017	PHED	16.5	06.10.2021	Complying
55	20 MLD STP at Kelnia Sirsa by PHED	PHED	20	06.10.2021	Complying except Faecal Coliform
Fatehabad					
56	10 MLD STP Vill. Bhodia Khera, Bhattu Road,Fatehabad by PHED in 1.4.2013	PHED	10	12.10.2021	Non-Complying
57	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	PHED	10	12.10.2021	Non Complying
58	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014	PHED	6.5	12.10.2021	Non Complying
59	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018	PHED	5	12.10.2021	Complying
60	3 MLD STPJhakhal Mandi, Fatehabad by PHED in 30.9.2019	PHED	3	12.10.2021	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	12.10.2021	Complying except Faecal Coliform
	Total No. of STPs- 62		**535**		

Annexure-2

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	21.10.2021	Complying
2	Radaur Road, Yamuna Nagar by PHED	PHED	25	22.10.2021	Complying
3	Baddimajra, Yamuna Nagar by PHED*	PHED	10	22.10.2021	Complying
4	Baddimajra, Yamuna Nagar by PHED*	PHED	10		Complying
5	Parwaloo, Jagadhri Yamuna Nagar by PHED	PHED	24	22.10.2021	Complying
6	Chhachhrauli Yamuna Nagar by PHED	PHED	3	22.10.2021	Complying
7	Radaur Yamuna Nagar by PHED	PHED	3.5	22.10.2021	Complying
Ladwa, Kurukshetra					
8	Indri Road, Ladwa Kurukshetra by PHED	PHED	7	12.10.2021	Complying
Karnal					
9	Indri, Karnal by PHED*	PHED	4	22.10.2021	Complying except Faecal Coliform
10	Nilokheri, Karnal by PHED	PHED	6	08.10.2021	Complying except Faecal Coliform
11	Nissing Karnal by PHED	PHED	4	18.10.2021	Complying except Faecal Coliform
12	Tarori Karnal by PHED	PHED	5.5	08.10.2021	Complying except Faecal Coliform
13	Gharaunda, Karnal by PHED	PHED	7	08.10.2021	Complying except Faecal Coliform
14	Gogharipur Road, karnal by ULB	ULBD	10	22.10.2021	Complying except Faecal Coliform
15	RK Puram, Karnal by ULB	ULBD	8	22.10.2021	Complying except Faecal Coliform
16	Transport Nagar,	ULBD	50	08.10.2021	Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
	Karnal by ULB*				except Faecal Coliform
Panipat					
17	Sewah, Panipat by PHED	PHED	35	28.10.2021	Complying except Faecal Coliform
18	Sewah, Panipat Panipat by PHED	PHED	25	28.10.2021	Complying
19	Jattal Road, Panipat by PHED	PHED	20	28.10.2021	Complying
20	Jattal Road, Panipat by PHED	PHED	10	28.10.2021	Complying except Faecal Coliform
21	Samalkha, Panipat by PHED	PHED	5	28.10.2021	Non-Complying
22	Sec-19, Panipat by HSVP	HSVP	30	28.10.2021	Complying
23	Sec-6, Panipat by HSVP	HSVP	0.8	28.10.2021	Complying except Faecal Coliform
Sonepat					
24	Kharkhoda Sonepat by PHED	PHED	4.5	08.10.2021	Non Complying
25	Ganaur Sonepat	PHED	7	08.10.2021	Non Complying
26	Gohana Sonepat by PHED	PHED	3	08.10.2021	Non Complying
27	Gohana Sonepat by PHED	PHED	8.3	08.10.2021	Non Complying
28	Rathdana Road, Sonepat by ULB	ULBD	30	08.10.2021	Complying
29	Kakroi Road, Sonepat by ULB	ULBD	25	31.08.2020	Non Complying (no effluent generated)
30	Rajiv Gandhi Edu. City, Phase-I, Sonepat by HSVP		7.5	08.10.2021	Complying
Rohtak					
31	PGI Rohtak by PHED	PHED	19.5	30.10.2021	Complying
32	Sonaria, Rohtak by PHED	PHED	40	30.10.2021	Non-complying
33	Kalanaur Rohtak by PHED	PHED	3.5	30.10.2021	Non-complying
34	Meham Rohtak by	PHED	5	30.10.2021	Non-complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
	PHED				
35	Singhpura, Rohtak by PHED	PHED	14	30.10.2021	Complying
36	Sampla Rohtak by PHED	PHED	4	30.10.2021	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	22.10.2021	Non Complying
40	Jhajjar by PHED	PHED	5.5	22.10.2021	Non Complying
41	Beri Jhajjar by PHED	PHED	2	15.02.2021	Complying except Faecal Coliform
42	Line Par, Bahadurgarh by PHED	PHED	18	30.10.2021	Non Complying
43	Najafgarh road Bahadurgarh by PHED	PHED	36	30.10.2021	Complying except Faecal Coliform
44	Sec-36, Bahadurgarh by HSVP	HSVP	10	30.10.2021	Non-complying
Nuh					
45	Tarou by PHED	PHED	4.5	30.10.2021	Non Complying
46	Punhana by PHED	PHED	4.5	30.10.2021	Non Complying
47	Nuh by PHED	PHED	3.6	30.10.2021	Non Complying
48	Ferozpur Jhirka by PHED	PHED	5	30.10.2021	Non Complying
Palwal					
49	Hathin by PHED	PHED	4.5	22.10.2021	Non Complying
50	Hodal by PHED	PHED	9	22.10.2021	Non Complying
51	Palwal by PHED	PHED	9	22.10.2021	Non Complying
52	Hassanpur by PHED	PHED	3	20.09.2021	Non Complying
Faridabad					
53	Badshahpur, Faridabad by ULB	ULBD	45	14.10.2021	Non-complying
54	Faridabad by HSVP	HSVP	7.5		Complying
Gurugram					
55	Dhanwapur, Gurgaon by GMDA	GMDA	50	10.11.2021	Complying

Sr. No.	Name of the STP	Deptt.	Capacity	Date of Sampling	Latest compliance status
56	Dhanwapur, Gurgaon by GMDA	GMDA	68	10.11.2021	Complying
57	Behrampur, Gurgaon by GMDA	GMDA	120	10.11.2021	Complying except Faecal Coliform
58	Behrampur, Gurgaon by GMDA	GMDA	50	10.11.2021	Complying
59	Dhanwapur, Gurgaon by GMDA	GMDA	100	10.11.2021	Non-Complying
	Total		**1074.2**		

Annexure-3

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	08.10.2021	Non-Complying
2	Pataudi, Gurgaon	PHED	4.5	09.11.2021	Non-Complying
3	Farrukhnagar, Gurgaon	PHED	3	05.10.2021	Complying except Faecal Coliform
4	Haily Mandi, Gurgaon	PHED	5.5	10.11.2021	Complying except Faecal Coliform
Jind					
5	Julana, Jind	PHED	4	20.09.2021	Non-Complying
Bhiwani					
6	Dhana Road, Bhiwani	PHED	10	28.09.2021	Non-Complying
7	Bhiwani	PHED	10	28.09.2021	Non-Complying
8	Bhiwani, Phase-I	PHED	15	28.09.2021	Complying except Faecal Coliform
9	Bhiwani, Phase-II	PHED	15	24.08.2021	Complying except Faecal Coliform
10	Charkhi Dadri, Bhiwani	PHED	5	30.09.2021	Non-Complying
11	Chirya Road, Charkhi Dadri, Bhiwani	PHED	5	30.09.2021	Non-Complying
12	Bawani Khera, Bhiwani	PHED	4.5	28.09.2021	Non-Complying
13	Loharu, Bhiwani	PHED	3.5	28.09.2021	Non-Complying
14	Tosham, Bhiwani	PHED	3	31.08.2021	Complying except Faecal Coliform
15	Siwani, Bhiwani	PHED	4	30.09.2021	Non-Complying
16	Bhiwani	HSVP	10	30.09.2021	Complying except Faecal Coliform
Mohindergarh					
17	Mohindergarh	PHED	6.5	28.09.2021	Non-Complying
18	Ateli Mandi, Mohindergarh	PHED	2	28.09.2021	Non-Complying
19	Kanina, Mohindergarh	PHED	3	28.09.2021	Non-Complying
20	Rewari Road, Narnaul, Mohindergarh	PHED	7.5	28.09.2021	Non-Complying
21	Near Chinkara Rest House, Rewari Road, Narnaul	MC	6	01.12.2020	Complying except Faecal Coliform

Sr. No.	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	Date of sampling	Latest Compliance Status
Rewari					
22	Bawal, Rewari	PHED	3	27.09.2021	Non-Complying
23	Rewari	PHED	6.5	29.09.2021	Non-Complying
24	Rewari	PHED	8	29.09.2021	Non-Complying
25	Rewari	PHED	16	29.09.2021	Complying except Faecal Coliform
26	Dharuhera	PHED	9.5	29.09.2021	Complying except Faecal Coliform
27	Kosli, Rewari	PHED	3	29.09.2021	Non-Complying
28	Dharuhera	HSVP	5	29.09.2021	Complying
Ambala					
29	Barara, Ambala	PHED	4	21.09.2021	Complying
Karnal					
30	Assandh, Karnal	PHED	5	09.10.2021	Complying except Faecal Coliform
Hisar					
31	Hansi, Hisar	PHED	6.5	01.10.2021	Complying
32	Dhani Gram, Barwala, Hisar	PHED	6	01.10.2021	Non-Complying
33	Uklana, Hisar	PHED	6.5	01.10.2021	Non-Complying
34	Dhani Kushal, Bhiwani Road, Hansi	PHED	5	01.10.2021	Non-Complying
35	Lalpura- Jind Road, Hansi	PHED	7.5	01.10.2021	Non-Complying
	Total -35		**225**		

Annexure-4

13 Clusters of ISWM in river catchment

Sr. No.	Name of Clusters	Name of ULBs within Cluster	Estimated Waste Quantity (TPD)	Remarks
1	Gurugram-Faridabad	Gurugram and Faridabad	2300	Works has been awarded and work is likely to be completed by July, 2023.
2	Sonepat-Panipat	Sonepat, Panipat, Samalkha and Gannaur.	700	Commissioned on 16.08.2021.
3	Ambala-Yamunanagar	Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura	675	Haryana was divided into 14 clusters for setting up integrated solid waste management plant in the state. But in some places, the distance of the plant from the place of dumping site is not available due to the lack of a site, the technology of the plant, etc., the project could not be successfully allotted, hence, keeping these issues / facts in mind, the department has restructured the clusters and kept the Bidders free to choose any technology for the processing of waste. The same proposal was kept before the COSI for consideration in the meeting dated 08.07.2020 and the same was recommended by them for approval to the Sub-Cabinet Committee on Infrastructure (CCI) for approval being PPP Projects. In the meeting of CCI held on 21.10.2020 under the chairmanship of Hon'ble CM, the Committee agreed and approved the recommendations of COSI in the meeting dated 08.07.2020 and decided that the ULB department will go ahead and call the tenders for the 4 clusters in the first phase with the existing project area in the RFP and simultaneously invite thetendersfor the same 4 clustersbyadding/including the panchayats of the bidders sand the tipping fees, either of 2 bids will be selected by the department for grant of concession as per efficiency, economy and viability. Thereafter, taking requisite data
4	Karnal-Kaithal-Kurukshetra	Indri, NilokheriTarori, KarnalGharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat ,Rajound, Cheeka ,Pundri	590	
5	Rohtak-Bahadurgarh-Jhajjar	Kalanaur, Meham, Rohtak, Gohana, Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri	601	
6	Hisar-Fatehabad	Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, UklanaMandi, Ratia,Tohana, JhakalMandi	407	
7	Panchkula	Panchkula	155	
8	Bhiwani	Bhiwani, Bawanikhera, CharkhiDadri	181	
9	Jind	Jind, Narwana, Safidon, Uchana, Narnaund, Sisai, Bass	168	
10	Sirsa	Sirsa, Rania, Ellenabad, Kalanwali, MandiDabwali	146	
11	Rewari	Bawal, Dharuhera, Rewari, Mahendergarh, Kanina	466	
12	Punhana	Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh,Tauru	215	
13	Farukhnagar	Farukh Nagar, HailyMandi, Pataudi	26	

				from the development and panchayats department bids were invited for 2 clusters namely bhiwani and sirsaincluding both urban and urban+ruralon 10.03.2021 with the extended bid submission date on 01.06.2021. Only single bid was received on sirsa (urban) cluster. Bids were re-invited the same clusters on 07.06.2021 with the extended bid submission date on 22.7.2021. This time 2 bids were recieved for both Bhiwani (Urban) and sirsa (Urban) and single half bid was received for Sirsa (urban + rural). In the meeting of CCI dated 14.10.2021, it was decided that all integrated solid waste management project tenders shall be invited by taking into consideration urban areas only. Also, it was decided to open andfinalize the bids for Bhiwani cluster(urban) and Sirsa cluster (Urban) and then place it before CCI for further finalization of other tenders. Minutes of Meeting of CCI dated 14.10.2021 are under the stage of approval. After the issuance of CCI Minutes the bids of ISWM Bhiwani and Sirsa shall be opened and the rates received shall be places before CCI for decision.
		Total	**6630**	

Annexure-5

Details of Dump Site

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
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	10	4	3.95	2010	

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
		Sunarian, Rohtak Ward NO. 22					
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	

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
19	Nilokheri	Kali Mata Mandir Road	2	2.33	0.18	Approximately 8-10 Year	
20	NangalChaudhary	Near Krishnawati River Nangal Chaudhary	0.7	0.9	0.015	Since 2013	-
21	Meham	Hisar Bye Pass, Meham	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	Fatehbad	Bighar 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	1.38	4.57	0.15	Since 2004	-

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
		Assandh					
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 HailyMandi	2.49	2.43	0.00028	11.03.2020	
35	Indri	Indri Byepass 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 frrom 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	5	2.00-2.25	0.51	2010	

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
		College Sohna					
46	Taraori	Nadana road near electricity power house M.C Taraori	0.22	3.5	0.0315	Approx 8-10 Years	
	Taraori	Nadana road near 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	
	Taraori	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		
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	

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
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 UtlondhaDistt. Jhajjar	8.6	1.5	0.01818	since 2017	
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			

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
				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		
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	
		Kabulpur road, near	0.5	0.25	0.006	Jan-20	

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
82	Beri	shiv dhamBeri.					
		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, Sonepat.	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, Sonepat	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 (Ist 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.	BararaSBR 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 to be called** Likely Date of Start- 20.11. 2021 Likely Date of Completion- 30.06.23
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 to be called.** Likely Date of Start- 20.11.2021 Likely Date of Completion- 30.06.23
3.	HisarLalpura Road Hansi–MBBR	PHED	7.50	To be filled by PHED	7.50	6.00	Irrigation	372	781.20	Hearing completed. AA under preparation Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
4.	Narnaund-Hisar	PHED	4.00	To be filled by	4.00	2.00	Irrigation	198	415.80	Hearing completed AA case likely to be submitted to Govt

				PHED						by 31.08.2021 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. Tenders called to be opened on 30.11.2021 Date of start-01.11.2021 Date of completion 31.12.2023
6.	GulhaCheeka SBR Kaithal	PHED	10.00	To be filled by PHED	8.00	4.00	Irrigation	794	1667.40	Hearing completed AA under preparation 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 under preparation Likely Date of Start-01.04.2022 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 case under preparation Likely Date of Start-01.06.2022 Likely Date of Completion-30.06.2023
9.	Village Amani,	PHED	10.00	To be filled by	10.00	7.50	Irrigation	496	1079.32	**AA accorded by Govt. on 11.02.2021. Tender called**

	Tohana-MBBR Fatehabad			PHED						Likely Date of Start- 20.11.2021 Likely Date of Completion- 31.03.2023
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 Called** Likely Date of Start- 20.11.21 Likely Date of Completion- 31.03.23
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 Called Likely Date of Start- 20.11.21 Likely Date of Completion- 31.03.23
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. Tender to be Called** Likely Date of Start- 20.11.21 Likely Date of Completion- 30.06.23
13.	NalagarhRoad ,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. Tender to be called.** Likely Date of Start- 20.11.21 Likely Date of Completion- 30.06.23
14.	STP Jind-	PHED	15.00	To be	15.00	-	Irrigation	992	2083.20	Hearing under process

	MBBR Jind			filled by PHED						Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023
15	STP NarwanaMBBR Jind	PHED	5.00	To be filled by PHED	5.00	3.75	Irrigation			Hearing completed **More than 80% Farmers not agree.**
	Total		**141.75**					**7435.00**	**16210.31**	