



HSPCB

HARYANA STATE POLLUTION CONTROL BOARD
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No. HSPCB/WC/2020/ 2605-2606

Dated:- 24-07-2020

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, CPCB
Parivesh Bhawan, East Arjun Nagar,
New Delhi

Sub:- Regarding Pollution abatement of 351 polluted stretches (Hon'ble NGT matter OA No. 673 of 2018) for month of June, 2020.

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 Action Plan (**Annexure-A**) and Yamuna Action Plan (**Annexure-B**) of Haryana on the prescribed format for your kind information and necessary action please.

DA/ As above

Govt
Sr. Env. Engineer(HQ)
For Member Secretary

Monthly Progress Report by State of Haryana regarding Ghaggar Action Plan- June, 2020.

(Hon'ble NGT in the matter of OA No. 673/ 2018 dated 06.12.2019 and orders dated 21.05.2020 in OA No. 593/2017)

Sr. No.	Activity to be monitored	Timeline
1	Ensure 100% treatment of sewage at least in-situ remediation	30.06.2020
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured.	30.06.2020
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning.	30.06.2021
3	Chief Secretaries may set up appropriate monitoring mechanism at State Level <ul style="list-style-type: none">• Specifying accountability of nodal authorities not below the Secretary Level.• Chief Secretaries may have an accountable person attached in their office for this purpose.	22.01.2020
	<ul style="list-style-type: none">• Monitoring at State Level must take place	Fortnightly Commencing 21.12.2019
4	Progress report may be furnished by the States/ UTs to <ul style="list-style-type: none">• Secretary, Ministry of Jal Shakti• Member Secretary, CPCB	Monthly (Preferably before 20th of every month)

Progress report regarding Ghaggar Action Plan by State of Haryana

6.1 (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment.

- There are 11 major drains, i.e. Sukhna Nallah, Jatton Wala Nallah, STP Panchkula, MDC Drain, Sukhna Choe, Ambala Drain, Ghail drain, Markanda River, Sagarpara (Saraswati) Drain, Kaithal Drain and Ratia Drain falling out in River Ghaggar in the State of Haryana. The flow and water quality of all the drains is regularly being monitored by HSPCB.
- The Hon'ble National Green Tribunal vide order dated 22.01.2020 in OA no. 6/2012 (Manoj Mishra Vs UOI & Ors.) directed CPCB to furnish a report containing at least ten generic and representative models of phyto/bio-remediation which are techno-economically feasible and can be implemented. The same is submitted by CPCB vide letter dated 11.02.2020. Accordingly YMC submitted its comments on the report of CPCB and Various issues are flagged by YMC on the report of CPCB such as large variation in the flow in storm water drains during the monsoon and during the dry season, the structural integrity to

be safeguarded during monsoons and other operational issues. Further it has been pointed that the representative models have been prepared based on specific case studies, **all of which pertain to drains with flows less than 10 MLD**. There is no case study available for drains carrying much higher flow exceeding 100 MLD.

So, the matter is still pending and final orders are not yet given by Hon'ble NGT in the matter.

6.1 (ii) Status of STPs, I&D and sewerage networks, Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline.

(a) Details for sewage management (in MLD)

River	Sewage Generated	Treatment Capacity	Gap
Ghaggar	296.9	511.5	0

Gap analysis- However, there is gap in treatment capacity of 15.8 MLD in Ambala only. The townwise details of sewage management is enclose as **Annexure 1**.

(b) Details of Sewage treatment plants

Existing STPs		Under Construction STPs		Proposed STPs	
No.	Capacity	No.	Capacity	No.	Capacity
59	511.5	13	66.5	10	61.5

Work of construction of new STPs will be completed latest by 31.12.2020. The list of existing STPs is attached as **Annexure-2**. The latest status of under construction and proposed STPs are enclosed at **Annexue 3 & 4**.

(c) Laying of Sewerage in approved/notified areas

- Total length of sewer line to be laid- **456 Km**
- Length laid so far-371 Km
- Total towns in catchment area of Ghaggar-27
- Sewerage fully laid in 19 towns
- Work is under process at 8 locations
- 1 town i.e. Jakhali Mandi has been recently converted from village to town. So, action plan for laying of sewerage in this town is being prepared.
- Work will be completed latest by 31.12.2020

The details are enclosed at **Annexure-5**.

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

183 MLD of effluent was proposed to be tapped/ diverted at 92 locations. Out of which 0.4 MLD effluents has been diverted at 1 location, so far.

6.1 (iii) Status of CETPs, Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status.

Details of Common Effluent treatment plants

Existing CETPs		Under Construction CETPs		Proposed CETPs	
No.	Capacity	No.	Capacity	No.	Capacity
4	6.1	0	0	2	3

- No. of industries in catchment of River Ghaggar -197
- No. of ETPs installed - 197
- Quantum of Industrial effluent generation -4.1MLD
- Gap in treatment -0

The list of existing and proposed CETPs are enclosed at **Annexure-6 and 7**.

6.1 (iv) Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline.

There are 84 Urban Local bodies in the state of Haryana and generates 5568 TPD Municipal Solid Waste. Out of which 2108 TPD is being processed/treated and remaining quantity i.e., 3460.12 TPD is being sent to landfills.

The current status of SWM

Table 1: Current status of SWM activities in the State is given in as under:

Sr. No.	SWM Activities in State	Quantity (in Nos)
1.	Total No. of Wards	1540
2.	Quantity of Solid Waste generated	98526.926 (MT/A)
3.	No. of wards with 100% Door to Door Collection	1422
4.	No. of wards where segregation is initiated	923
5.	No. of vehicles	4299
6.	No. of vehicle with Compartment	3192
7.	No. of vehicles with GPS	1546
8.	No. of Garbage Vulnerable Points Identified	744
9.	No. of BWG identified	2692
10.	No. of BWG processing on site	486
11.	No. of Solid Waste Challan done	1868
12.	No. of Plastic Waste Challan done	4848

Government of Haryana has adopted cluster based integrated approach for Solid Waste Management. The entire State has been broadly divided into fourteen (14) clusters out of which four (4) will be Waste To Energy i.e., Faridabad, Rohtak, Sonapat, Ambala and (10) will be waste to Compost/RDF processing i.e., Jind, Hisar, Dabwali with Sirsa, Rewari, Panchkula, Bhiwani, Faruknagar, Yamuna Nagar, Punhana and Fatehabad.

➤ Processing Facilities

14 suitable sites for setting up of processing facilities in 14 clusters based on Integrated Solid Waste management approach have already been identified. It is informed by MC Hisar that international airport is proposed to be developed at a distance of 2 km from the proposed MSW site. In view of this, a new site should be identified for the project, till that time project is annulled for bidding. Out of 14 clusters for the development of Integrated Solid Waste processing facilities and Sanitary Landfill facilities, suitable sites for setting up of 12 clusters, have already been procured. The procurement of site (processing facilities and Sanitary Landfill) for Jind Cluster is under progress and will be procured at the earliest. As there is international Airport is about to set up within the range of 2Km of the site identified at hisar so the bidding process is annulled for Hisar cluster and MC Hisar has identified few sites, which are under the site feasibility process. As per the Annual Report for the year 2018, presently in the state there are 14 nos. Solid Waste Composting Facilities, 10 nos. Vermi Composting Facilities and 03 nos. RDF Facilities. Rejects and residues collected from the above mentioned processes are disposed in dumping sites and further proposed to be processed for energy recovery.

6.1 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

(a) Water quality of river Ghaggar

Sr. No.	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (MLD)	BOD (mg/l)	F.Coli
1	Ghaggar before Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab.	30.639975/ 76.872849	230.00	BDL	22000
	Ghaggar after Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab.		238.50	BDL	22000.00
2	Ghaggar before Sukhna choe at Vill- Bhankarpur, Punjab	30.613894/ 76.836044	290.00	7	-
	ghaggar after Sukhna choe at Vill- Bhankarpur, Punjab		350.00	32.00	-
3	Ghaggar before Ambala Drain	30.405329/ 76.734221	897.25	-	-
	Ghaggar after Ambala Drain		897.25	-	-

4	Ghaggar before Ghail drain at Rampur, Ambala	30.333872/ 76.668059	897.25	5.5	-
	Ghaggar after Ghail drain at Rampur, Ambala		915.20	4.5	-
5	Ghaggar before Markanda River at Vill. Dhandhota	30.090733/ 76.394279	3.22	42	64000
	Ghaggar after Markanda River at Vill. Dhandhota		10.64	48	120000
6	Ghaggar before Sagar Para Drain at Vill. Sagra	29.893021/ 76.169712	Punjab	42	84000
	Ghaggar after Sagar Para Drain at Vill. Sagra		Punjab	56	180000
7	Ghaggar before Kaithal drain at Vill. Khanauri	29.845506/ 76.112592	Punjab	28	150000
	Ghaggar after Kaithal drain at Vill. Khanauri		Punjab	-	-
8	Ghaggar before Discharge of M.C. Ratia (Fatehabad)	29.71135/ 75.552123	331.00	46	120000
	Ghaggar after Discharge of M.C. Ratia (Fatehabad)		335.00	48	120000

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

Ground water quality is being monitored at 77 locations in the catchment of river Ghaggar by HSPCB. Out of total 77 locations, ground water is found fit for drinking at 44 locations and non complying at 33 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	13	1	12
5	Hisar	5	2	3
6	Sirsa	25	16	9
7	Fatehabad	18	11	7
Total		77	44	33

6.1 (vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc.

(a) Bio Medical Waste Management

As per the Annual Report of 2018 Haryana state has generated 14217.88 KG/Day and same is processed/treated by the authorized 11 nos. of Common Bio Medical Waste Treatment Facilities. Total Incineration Capacity of these CBWTFs is 1650 Kg/hr.

As per Annual Report 2018, there are 4079 number of Health Care Facilities (HCFs) in the State including 2723 number Bedded HCFs and 1356 number Non Bedded HCFs. In all Bedded HCFs of State total numbers of Beds are 53259. Total Bio Medical Waste (BMW) generated by all HCFs is 14217.88 Kg/day.

(b) Plastic Waste Rules Management

As per the detail provided by ULBD total 525.121 TPD plastic waste is being generated and out of which 283.06 TPD is being processed/Treated. There is gap of 242.061 TPD.

Under the notification no 2/8/2013/R issued in the official Gazette of Haryana Govt. dated 20th August 2013, complete plastic ban has been enforced in the whole State.

The Municipal Corporation/Committee/Council is doing door to door collection and segregation and through private parties. ULBD is framing a proposal for use of plastic waste in road construction as per Indian road congress guidelines for energy recovery and waste oil from plastic waste.

For plastic waste (including other dry waste) segregation, 373 Material Recovery Facilities have been set up in the whole State. Apart from Material recovery Facilities, ULBs have also identified 3524 and registered 3232 rag pickers and Kabariwalas's for collection and segregation of plastic waste. These rag pickers are also segregating the plastic waste on their own level and selling it to the recyclers directly.

At present 22 nos. Of Plastic Waste recyclers are registered in Haryana under PWM Rules, 2016.

6.1 (vii) Ground water regulation

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

6.1 (viii) Adopting good irrigation practices,

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) Pilot Project for installation of solar/grid powered micro irrigation infrastructure on sewage treatment plants for utilizing treated water for Irrigation.

With a view of augmenting water of assured supply to the every field, a new intervention has been proposed for the reuse of treated waste water from the existing Sewage Treatment Plants for the use of water in the best alternative which will help in enhancing the irrigation. Working on these lines this pilot project has been prepared on over exploited & critical blocks by selecting STPs of Ladwa, Shahabad and Pehowa towns for irrigation. The farmers of the area to be benefited from this water have already formed Water User Associations and also given an undertaking to the effect that their area, to be covered under this project, is not covered by any canal command and they are willing to adopt this technology. The common Micro Irrigation Infrastructure will be provided for each STP outlet for supplying pressurized water supply at farm gate by providing pumping unit (grid/solar powered), filtration, HDPE pipe network etc. the water will be provided under pressure of 2-2.5 Kg/cm² So that farmers may utilize this for sprinkler and drip system. Farmers will be provided hydrant for every 4 acres or less if the holding of the farmers is less than four acres. In this manner the treated water, which was otherwise going unutilized in drain, will be put to proper use. It is also reported that sewage water from all these STPs is being properly monitored and tested by Public Health Engineering Department and parameters of this treated water meet with the standards for irrigation.

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

3 projects are commissioned so far, in the catchment of river Ghaggar utilizing 5.69 MLD of treated sewage from 3 STPs. 5 villages are benefitted by irrigating 290 hectares of land. Total cost of the projects is Rs 378.00 lacs.

Further, the Irrigation Department has planned to utilize 158 MLD of treated sewage from 6 STPs for Irrigation of 12755 hectares of agriculture land. Total cost of the projects is Rs. 7199 lacs.

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

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

6.1 (ix) Protection and management of Flood Plain Zones (FPZ).

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.

6.1 (x) Rain water harvesting,

Following steps are taken for rain water harvesting / conservation of water/avoid exploitation of ground water

a. Roof Top Rain Water Harvesting Scheme

On 31.10.2001, a notification regarding making roof rain water harvesting- Conversation & Artificial recharge of ground water compulsory in Govt. buildings/HSVP Buildings, including all the private houses/buildings to be constructed in Urban Estates, in future having roof top surface area 100 Sqm. more was issued. Notification has already been circulated vide No.9945-46 dated 29.11.2001 (copy enclosed) and the areas/Urban Estates in Haryana where this notification has been made applicable have also been notified vide letter no.1200 dated 10.12.2001.

Zonal Administrator/Estate Officers of HSVP ensure that occupation certificate is not issued in the absence of the implementation of above cited notification. 47 rain water harvesting systems have been constructed by HSVP.

List of Harvesting Well in various Urban Estates of HSVP w.e.f. 01.01.2002 to 29.02.2020

Sr. No.	Name of Urban Estate	Nos. of Harvesting Well
1	Panchkula	11443

b. Installation of Dual Button Flushing Cistern

Haryana Govt. has issued notification on 13.08.2014, making installation of dual button cisterns (capacity 10/5 Litre and 6/3 Litre) mandatory for all types of plot holders (new buildings) in HSVP areas in addition to all Govt. Buildings and Buildings in licensed areas. Occupation certificate shall not be issued in the absence of dual button flushing cisterns in these buildings.

c. Graded Tariff for Economic Use Of Water

The graded water tariff has been implemented in various Urban Estates in Haryana for economical domestic use of water.

d. Reuse of Tertiary Treated / Recycled Water

To avoid exploitation of ground water, tertiary treated water is being used for irrigation/flushing purpose in some of Urban Estates of HSVP. Efforts are being made for its implementation in other Urban Estates also.

6.1 (xi) Maintaining minimum environmental flow of river

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:

6.1 (xii) Plantation on both sides of the river

➤ Urban Estate Wise Plantation Done in HSVP Area

Sr. No.	Name of U/E	Plantation Done in the Year 2016-17	Plantation Done in the Year 2017-18	Plantation Done in the Year 2018-19	Plantation Done in Year 2019-20 (upto 29.02.2020)
1	Panchkula	11238	6929	5000	7820
2	Ambala	3800	2317	1500	3626
3	Pehowa	125	0	0	0
4	Naraingarh	125	0	0	0
5	Kurukshetra	3430	2050	2000	3472
6	MTS Gulha	100	0	0	0
7	MTS Pundri	100	0	0	0
8	Kaithal	675	2120	1000	3160
		19593	13416	9500	18078

➤ Plantation done in catchment of River Ghaggar by Forest Department.

Detail of plantation in catchment areas of Ghaggar river				
District	Plantation 2018-2019		Plantation Target 2019-2020	
	Ha.	No. of plants	Ha.	No. of plants
Panchkula	1117	8,31,000	404	4,81,000
Fatehabad	1519	11,41,000	855	7,20,000
Sirsa	863	8,81,000	624	5,27,000
Total	3499	2853000	1883	1728000

6.1 (xiii) Setting up biodiversity parks on flood plains by removing encroachment.

Herbal Parks for Bio-diversity conservation		
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

Annexure-1

Water consumption and waste water generation in the towns along River Ghaggar

S.No.	District	Name of Town	Total Population (As per Census 2011)	Present Population on 2019	Treatment Capacity (in MLD)										Treatment Capacity required upto 2019 (In MLD)	Gap in treatment upto 2019 (In MLD)
					Existing STPs No. & Capacity in MLD											
1		2			No.	3	No.	4	No.	5	No.	6	Total No.	7		
					No.	PHED	No.	HSVP	No.	ULBD	No.	Garri son	Total No.	Total Capacity		
1	Ambala	Naraingarh	22832	27499	1	3	0	0	0	0	0	0	1	3	3	0
2		Ambala	300127	549050	11	41.5	1	2	0	0	0	0	0	12	43.5	59.3
3	Fatehabad	Ratia	37152	41610	1	6.5	0	0	0	0	0	0	1	6.5	4.5	0
4		Tohana	63871	71536	1	10	0	0	0	0	0	0	1	10	7.7	0
5		Jhokal Mandi	7788	8723	1	3	0	0	0	0	0	0	1	3	0.9	0
6		Fatehabad	70777	100160	2	15	1	10	0	0	0	0	3	25	10.8	0
7	Hisar	Hisar	307024	343867	3	59	1	15	0	0	0	0	4	74	37.1	0
8		Narnaund	17242	19311	1	4	0	0	0	0	0	0	1	4	2.1	0
9	Jind	Narwana	62090	69541	3	9.25	0	0	0	0	0	0	3	9.25	7.5	0
10		Uchana	16815	18833	2	3.5	0	0	0	0	0	0	2	3.5	2	0
11		Jind	167592	187703	2	20	1	10	0	0	0	0	3	30	20.3	0
12		Safidon	34728	38895	1	9	0	0	0	0	0	0	1	9	4.2	0
13	Kaithal	Cheeka	38952	46913	1	10	0	0	0	0	0	0	1	10	5.1	0

S.No.	District	Name of Town	Total Population (As per Census 2011)	Present Population on 2019	Treatment Capacity (in MLD)										Treatment Capacity required upto 2019 (In MLD)	Gap in treatment upto 2019 (In MLD)
					Existing STPs No. & Capacity in MLD											
1		2				3		4		5		6		7		
					No.	PHED	No.	HSVP	No.	ULBD	No.	Garri son	Total No.	Total Capacity		
14		Kaithal	144915	174532	3	30	1	7.5	0	0	0	0	4	37.5	18.8	0
15		Kalayath	18660	20899	1	5	0	0	0	0	0	0	1	5	2.3	0
16		Pundri	33484	22729	1	3.5	0	0	0	0	0	0	1	3.5	2.5	0
17	Kurukshetra	Shahbad	42607	51315	1	11.5	0	0	0	0	0	0	1	11.5	5.5	0
18		Pehowa	38853	46793	1	8	0	0	0	0	0	0	1	8	5.1	0
19		Thanesar	155152	173770	1	25	1	15	0	0	0	0	2	40	18.8	0
20	Panchkula	Kalka	34134	36408	2	4.75	0	0	0	0	0	0	2	4.75	3.9	0
21		Pinjore	35912	32105	1	5	0	0	0	0	0	0	1	5	3.5	0
22		Panchkula	211355	236718	0	0	3	72	0	0	1	9	4	81	25.6	0
23	Sirsa	Mandi Dabwali	52873	59218	1	16.5	0	0	0	0	0	0	1	16.5	6.4	0
24		Kalanwali	22095	24746	1	9.5	0	0	0	0	0	0	1	9.5	2.7	0
25		Sirsa	182534	258310	4	45	0	0	0	0	0	0	4	45	27.9	0
26		Rania	25123	35553	1	6	0	0	0	0	0	0	1	6	3.8	0
27		Ellenabad	36623	51827	1	7.5	0	0	0	0	0	0	1	7.5	5.6	0
			2181310	2748564	49	371	9	131.5	0	0	1	9	59	511.5	296.9	15.8

Compliance status of Existing STPs in Ghaggar Catchment

Sr. No.	Name and Region of STPs	Outlet of STP	Compliance status
		Collection date	
1	3.25 MLD STP Naya Gaon , Unit.I , Ambala City by PHED in January, 2011	30.09.2019	Complying
2	3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016	30.09.2019	Complying
3	5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012	30.09.2019	Complying
4	3.25 Baldev Nagar , Unit.II ,Ambala City by PHED in 1.4.2016	30.09.2019	Complying
5	5 MLD Moti Nagar , Unit.I , Ambala City by PHED in June 2010	30.09.2019	Complying
6	5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016	30.09.2019	Complying
7	6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012	30.09.2019	Complying
8	3.25 Nasirpur Ambala City by PHED in 31.9.2016	30.09.2019	Complying
9	0.25 MLD Sadopur , Ambala PHED in 31.12.2016	30.09.2019	Complying
10	3.25 MLD Devi Nagar , Ambala City by PHED on 31.5.2013	29.09.2019	Complying
11	3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014	29.09.2019	Complying
12	4 MLD STP Barara PHED in 30.11.2019	Newly installed	
13	25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019	Newly installed	
14	8 MLD STP Model Town , Pehowa Kurukshetra by PHED in May dt. 2015	19.08.2019	Complying
15	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May dt. 2016	05.08.2019	Complying
16	4.5 MLD Kalka Panchkula by PHED in 30.3.2015	18.07.2019	Complying
17	0.25 MLD Kalka Panchkula by PHED in 28.5. 2017	18.07.2019	Complying
18	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	18.07.2019	Complying
19	15 MLD STP by PHED Jind in Jan, 2009	02.01.2020	Complying
20	3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011	-	Complying
21	3.75 MLD STP Narwana Jind by PHED in Jan , 2011	-	Complying
22	02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017)	-	Complying
23	2 MLD STP Uchana Jind by PHED in 22.2.2012	-	Complying
24	1.5 MLD Uchana by PHED in 31.5.2013	-	Complying
25	5 MLD STP Jind by PHED in 1.4.2016	-	Complying
26	9 MLD STP Safidon , Jind by PHED in 31.05.2018	-	Complying
27	10 MLD STP Cheeka , Kaithal by PHED in 1.4.2013	-	Complying
28	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	24.12.2019	Complying
29	10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR)	24.12.2019	Complying
30	10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR)		Complying
31	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014		Complying
32	3.5 Pundri Kaithal by PHED in 4.7.2014		Complying
33	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014		Complying
34	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017		Complying

35	4 MLD STP Narnaund, Hisar by PHED		Complying
36	4 MLD STP Kaimri Road, Hisar by PHED in 2018		Complying
37	15 MLD STP dt. Shamsabad patti , Kalania Road, Sirsa by PHED in 1.7.2012		Complying
38	5 MLD STP ,Vill. Nattar 1 , Sirsa by PHED in 1.5.2013		Complying
39	5 MLD STP , Vill. Nattar 2 , Sirsa by PHED in 14.09.17		Complying
40	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	15.11.2019	Complying
41	9.5 MLD STP, Daddu Road,Kalanwali , Sirsa by PHED in 17.02.2018		Complying
42	6 MLD STP Rania Sirsa by PHED in 30.6.2017		Complying
43	16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017		Complying
44	20 MLD STP at Kelnia Sirsa by PHED		Complying
45	10 MLD STP Vill. Bhodia Khera dt. Bhattu Road dt. Fatehabad by PHED in 1.4.2013		Complying
46	10 MLD STP Vill.Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013		Complying
47	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014		Complying
48	5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018		Complying
49	3 MLD STP Jhakhal Mandi, Fatehabad by PHED in 30.9.2019		Complying
	HSVP		
1	2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015	30.09.2019	Complying
2	18 MLD STP Panchkula by HUDA in 31.12.2002	24.04.2019	Complying
3	39 MLD STP Panchkula by HUDA in Nov. 2011	24.04.2019	Complying
4	15 MLD STP Sector- 28, Panchkula by HUDA in 2012	24.04.2019	Complying
5	10 MLD by HUDA Jind in 27.12.2014	26.12.2019	Complying
6	7.5 MLD Kaithal by HUDA in 31.8.2016		Complying
7	15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014		Complying
8	10 MLD STP Majra, Fatehabad by HUDA in 16.12.17		Complying
9	15 MLD STP Kurukshetra by HSVP		Newly installed
	Garrison Engineer		
1	9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012	27.09.2019	Complying
	Total No. of STPs- 59		
	Grand Total Capacity- 511.5		

Annexure-3

Town-wise status of installation of new STPs in the catchment of river Ghaggar

Sr. No.	Name of the Town	Capacity (in MLD)	Timelines proposed as per Action Plan	Progress upto May, 2020	Progress upto June, 2020
Work Completed					
1	Barara	4	30.11.2019	100%	100%
2	Jind	7	30.11.2019	100%	100%
3	Sec-6, Urban Estate, Thanesar	15	31.03.2020	100%	100%
4	Kurukshetra	25	31.05.2019	100%	100%
5	Sirsa (Kelinia)	20	30.10.2019	100%	100%
6	Fatehabad(Jakhal Mandi)	3	31.12.2019	100%	100%
	Total	74			
In progress					
7	12 Cross Road, Ambala	12	31.06.2020	8%	8%
8	Khagesara & Toka	0.5	31.03.2020	90%	90%
9	Nangal & Allipur	0.5	31.03.2020	95%	95%
10	Khatoli	0.75	31.03.2020	60%	60%
11	Kot	0.75	31.01.2020	98%	98%
12	Sukhdarshanapur	0.75	31.03.2020	75%	75%
13	Billa	0.75	31.12.2020	45%	45%
14	Village Dabra	8	31.03.2020	80%	80%
15	Ambala	5	31.05.2020	85%	85%
16	Khuda Khurd, Ambala	12	31.06.2020	5%	5%
17	Bhuna	8	30.06.2020	74%	75%
18	Babyal	10	31.03.2021	10%	10%
19	Shahpur Machhonda	7.5	31.03.2021	2%	2%
	Total	66.5			

Action plan for Under Proposal STPs

List of Proposed STPs in Ghaggar Catchment					
Sr. No.	Name of the district	Name of the town/city	Deptt.	Capacity (MLD)	Date of Start of construction and completion
HSVP					
1	Ambala	Sector-32, Ambala City	HSVP	5	31.12.2021
2	Ambala	Naraingarh	HSVP	1	30.09.2022
3	Panchkula	Pinjore	HSVP	8	30.4.2023
4	Jind	Jind	HSVP	5	30.06.2023
5	Hisar	Hansi	HSVP	5	30.06.2025
6	Hisar	Hisar	HSVP	10	31.3.2024
7	Hisar	Hisar	HSVP	5	30.06.2024
8	Sirsa	Sirsa	HSVP	7.5	30.06.2023
ULBD					
1	Ambala	village Babyal	ULB	10	
2	Ambala	Sector-32, 33, 34 Ambala	ULB	5	
			Total	61.5	

Annexure-5

List of Laying of Sewerage in Catchment Ghaggar

Sr. No.	Name of town	Deptt.	Estimated Cost (in Lacs)	Length to be laid in meters	Progress upto May, 2020	Progress upto June, 2020	Target date
Work under process							
1	Pinjore	PHED	630.1	18500	10500	11000	
2	Ambala City	ULBD	1608	24085	23500	23500	31.12.2020
	Ambala Sadar	PHED ULBD	13391	162000	89000	158000	31.12.2020
3	Naraingarh	PHED	60.75	4570	3210	4500	31.12.2020
4	Kaithal	PHED		42430	21850	21850	31.12.2020
		ULBD	1682	50166	31566	32566	31.12.2020
5	Jakhal Mandi	PHED	As this town has been recently converted from village to town.				
6	Hisar	ULBD	7121	66860	40979	40979	31.12.2020
7	Mandi Dabwali	PHED	3814	15000	7800	8000	31.08.2020
8	Kalawali	PHED	Recently 1 No. colony approved for which estimate under preparation for balance 2500 mtr. Work to be completed by March, 2020. target to be started from 01.08.2019. 30.04.2020				
Work completed							
9	Kalka	PHED	Sewerage already laid before start of action plan				
10	Panchkula	PHED	Sewerage already laid before start of action plan				
11	Shahbad	PHED	223.75	6000	6000	6000	30.09.2019
12	Kurukshetra	PHED	3954.9	6884	6884	6884	31.10.2019
13	Pehowa	PHED					100%
14	Cheeka	PHED	1540	3700	3700	3700	31.05.2019
15	Pundri	PHED	59.25	1700	1700	1700	31.05.2019
16	Kalayat	PHED	Sewerage already laid before start of action plan				
17	Jind	PHED	2850	9860	9860	9860	30.08.2019
18	Narwana	PHED	325.75	3000	3000	3000	31.01.2020
19	Safidon	PHED	1970	4611	4611	4611	31.07.2019
20	Uchana	PHED	404.4	2000	2000	2000	30.09.2019
21	Fatehabad	PHED	1245.84	1200	1200	1200	31.05.2019
22	Tohana	PHED	182.1	2050	2050	2050	31.05.2020
23	Narnaund	PHED	999.2	600	600	600	31.03.2019
24	Ellenabad	PHED	975	2375	2375	2375	31.05.2019
25	Rania	PHED	115.9	2050	1550	1550	31.12.2019
26	Sirsa	PHED	3527	10400	9900	10400	30.04.2020
27	Ratia	PHED	557.45	16850	16250	16850	31.03.2020
Total			47237.4	456891	289185	371675	

Annexure-6**List of Existing CETPs in Ghaggar Catchment**

Sr.No.	Name of the district	Name of the town/city	Deptt.	Existing CETP and Capacity (MLD)	Compliance Status	Action taken report
1	Panchkula	IE Barwala, Panchkula	HSIIDC	0.5	Complying	NA
2	Ambala	Ambala Cantt.	HSIIDC	0.5	Complying(A/R dated 10.10.2019)	NA
3	Ambala	Saha	HSIIDC	5	Complying(A/R dated 31.10.2019)	NA
4	Jind	I. E. Jind	HSIIDC	0.1	Non-complying (A/R dated 27.09.2019)	Prosecution recommended to HO
	Total			6.1		

Under Proposal of CETPs

Sr.No.	Name of the district	Name of the town/city	Deptt.	Proposed capacity (MLD)
1	JInd	IE Narwana	HSI IDC	1.5
2	Sirsa	IDDC, Sirsa	HSI IDC	1.5
		Total		3

Monthly Progress Report by State of Haryana regarding Yamuna Action Plan- June, 2020.

(Hon'ble NGT in the matter of OA No. 673/ 2018 dated 06.12.2019)

Sr. No.	Activity to be monitored	Timeline
1	Ensure 100% treatment of sewage at least in-situ remediation	30.06.2020
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured.	30.06.2020
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning.	30.06.2021
3	Chief Secretaries may set up appropriate monitoring mechanism at State Level <ul style="list-style-type: none">• Specifying accountability of nodal authorities not below the Secretary Level.• Chief Secretaries may have an accountable person attached in their office for this purpose.	22.01.2020
	<ul style="list-style-type: none">• Monitoring at State Level must take place	22.01.2020 Fortnightly Commencing 21.12.2019
4	Progress report may be furnished by the States/ UTs to <ul style="list-style-type: none">• Secretary, Ministry of Jal Shakti• Member Secretary, CPCB	Monthly (Preferably before 20th of every month)

Progress report regarding Yamuna Action Plan by State of Haryana

6.1 (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment.

- The drains have been identified where Phyto/Bio remediation is to be started as an interim measure till the commencement of the under construction and proposed STPs/CETPs.
- The Nodal Departments for the execution of the works have also been identified.
- The Hon'ble National Green Tribunal vide order dated 22.01.2020 in OA no. 6/2012 (Manoj Mishra Vs UOI & Ors.) directed CPCB to furnish a report containing at least ten generic and representative models of phyto/bio-remediation which are techno-economically feasible and can be implemented. The same is submitted by CPCB vide letter dated 11.02.2020. Accordingly YMC submitted its comments on the report of CPCB and Various issues are flagged by YMC on the report of CPCB such as large variation in the flow in storm water drains during the monsoon and during the dry season, the structural integrity to be safeguarded during monsoons and other operational issues. Further it has been pointed that the representative models have been prepared based on specific case studies, **all of which pertain to drains with flows less than 10 MLD**. There is no case study available for drains carrying much higher flow exceeding 100 MLD.
So, the matter is still pending and final orders are not yet given by Hon'ble NGT in the matter.

6.1 (ii) Status of STPs, I&D and sewerage networks, Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline.

(a)Details for sewage management (in MLD)

River	Generated	Treatment capacity	Gap
Yamuna	1034.4	1052.2	0

However, there is gap in treatment capacity of 181.4 MLD in some towns in catchment of river Yamuna i.e. Faridabad (171 MLD), Beri (0.1 MLD), Indri(0.8), Palwal(9 MLD) and Samalkha (0.5 MLD). The townwise details of sewage management is enclose as **Annexure 1**.

(b) Details of STPs

Existing STPs		Under Construction STPs		Proposed STPs	
No.	Capacity	No.	Capacity	No.	Capacity
58	1052.2	18	177	11	385.5

Work of construction of new STPs will be completed by 31.12.2020 except at Faridabad town where it will be completed latest by 31.07.2020. The list of existing STPs is attached as **Annexure-2**. The latest status of under construction and proposed STPs are enclosed at **Annexue 3 & 4**.

(c) Status of laying of sewer network in approved/notified areas

1544 Km of sewer line was proposed to be laid in total 34 towns in the catchment of river Yamuna, out of which 984 KM length of sewer line have already been laid. Sewerage fully laid in 20. Sewer lines are being laid in balance 14 towns. Plan for 2 towns (Beri and Panipat,) are beyond the timelines prescribed by NGT and are planned upto 31.12.2021 due to land issues. Rest of work will be completed by 31.12.2020. The details are enclosed at **Annexure-5**.

(d) Interception of sewage (excluding Gurugram) in the un-approved areas

91.7 MLD of effluent was proposed to be tapped/ diverted at 128 locations. Out of which 12.51 MLD effluents has been diverted at 38 locations.

(e) Diversion of sewage at Leg-I, Leg-II, Leg-III drains in Gurugram

Sr. No.	Name of drains	Discharge as on 2018 (MLD)	Present Discharge	Progress achieved from Jan, 20 to May, 20	Total progress achieved till date(In MLD)	Pending issues	Road map for future course of action with timelines
1	Leg-I	22.80	8.60	3.5 MLD	14.20	Balance 6 points of 8.6 MLD is yet to be diverted out of 22.8 MLD. Which is delayed due to ban on construction activity by Hon'ble Supreme Court in NCR region due air pollution and lockdown due to Covid-19	Likely to be completed by 31-12-2021 however, subject to availability of labour due to various phases of lockdown in future in view of epidemic of COVID-19
2	Leg-II	35.64	20.10	15.95 MLD	15.54	Balance 5 points of 7.8 MLD is yet to be diverted out of 35.64 MLD. Which is delayed due to ban on construction activity by Hon'ble Supreme Court in NCR region due air pollution and lockdown due to Covid-19	Likely to be completed by 31-12-2021 however, subject to availability of labour due to various phases of lockdown in future in view of epidemic of COVID-19

Sr. No.	Name of drains	Discharge as on 2018 (MLD)	Present Discharge	Progress achieved from Jan, 20 to May, 20	Total progress achieved till date(In MLD)	Pending issues	Road map for future course of action with timelines
3	Leg-III	80.25	34.90	14.45 MLD	45.35	Balance 38 points of 34.90 MLD is yet to be diverted out of 80.25 MLD. Which is delayed due to ban on construction activity by Hon'ble Supreme Court in NCR region due air pollution and lockdown due to Covid-19	Likely to be completed by 31-09-2021 however, subject to availability of labour due to various phases of lockdown in future in view of epidemic of COVID-19
Total		138.69	63.6	33.90 MLD	75.09	Balance 49 points Of 51.3 MLD is yet to be diverted	

The work of tapping of sewage in Leg-I, Leg-II, Leg-III drains will be completed by 31.12.2020.

6.1 (iii) Status of CETPs, Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status.

Details of Common Effluent treatment plants

Existing CETPs		Under Construction CETPs		Proposed CETPs	
No.	Capacity	No.	Capacity	No.	Capacity
14	161.5	0	0	9	134.25

- No. of industries in catchment of River Yamuna -2597
- Quantum of Industrial effluent generation -129.7 MLD
- Existing treatment capacity of CETPs -158.750 MLD
- Treatment capacity under proposal - 120.25 MLD
- Gap in treatment -0

The list of existing and proposed CETPs are enclosed at Annexure-6 and 7.

6.1 (iv) Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline.

There are 84 Urban Local bodies in the state of Haryana and generates 5568 TPD Municipal Solid Waste. Out of which 2108 TPD is being processed/treated and remaining quantity i.e., 3460.12 TPD is being sent to landfills.

Table 1: Current status of SWM activities in the State is given in as under:

Sr. No.	SWM Activities in State	Quantity (in Nos)
1.	Total No. of Wards	1540
2.	Quantity of Solid Waste generated	98526.926 (MT/A)
3.	No. of wards with 100% Door to Door Collection	1422
4.	No. of wards where segregation is initiated	923
5.	No. of vehicles	4299
6.	No. of vehicle with Compartment	3192
7.	No. of vehicles with GPS	1546
8.	No. of Garbage Vulnerable Points Identified	744
9.	No. of BWG identified	2692
10.	No. of BWG processing on site	486

Sr. No.	SWM Activities in State	Quantity (in Nos)
11.	No. of Solid Waste Challan done	1868
12.	No. of Plastic Waste Challan done	4848

Government of Haryana has adopted cluster based integrated approach for Solid Waste Management. The entire State has been broadly divided into fourteen (14) clusters out of which four (4) will be Waste To Energy i.e., Faridabad, Rohtak, Sonapat, Ambala and (10) will be waste to Compost/RDF processing i.e., Jind, Hisar, Dabwali with Sirsa, Rewari, Panchkula, Bhiwani, Faruknagar, Yamuna Nagar, Punhana and Fatehabad.

➤ Processing Facilities

14 suitable sites for setting up of processing facilities in 14 clusters based on Integrated Solid Waste management approach have already been identified. It is informed by MC Hisar that international airport is proposed to be developed at a distance of 2 km from the proposed MSW site. In view of this, a new site should be identified for the project, till that time project is annulled for bidding. Out of 14 clusters for the development of Integrated Solid Waste processing facilities and Sanitary Landfill facilities, suitable sites for setting up of 12 clusters, have already been procured. The procurement of site (processing facilities and Sanitary Landfill) for Jind Cluster is under progress and will be procured at the earliest. As there is international Airport is about to set up within the range of 2Km of the site identified at hisar so the bidding process is annulled for Hisar cluster and MC Hisar has identified few sites, which are under the site feasibility process. As per the Annual Report for the year 2018, presently in the state there are 14 nos. Solid Waste Composting Facilities, 10 nos. Vermi Composting Facilities and 03 nos. RDF Facilities. Rejects and residues collected from the above mentioned processes are disposed in dumping sites and further proposed to be processed for energy recovery.

6.1 (v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

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

Pollution Load in the River Yamuna (before and after).					
Sr. No.	Name of drain	latitude/ Longitude	Flow (MLD)	BOD (mg/l)	F.Coli
1	Yamuna before Dhanura Escape	29.726992/ 77.13079	245	1.8	-
	Yamuna after Dhanura Escape		289.1	4.6	-
2	Yamuna before Drain No.2	29.279022/ 77.123801	1623.125	BDL (DL=1)	9000
	Yamuna after Drain No.2		1653.75	0	200
3	Drain No. 6	It Falls in Delhi Territory			
4	Yamuna before Diversion Drain No.8	28.86158/ 77.206427	5108.25	1.9	22000
	Yamuna after Diversion Drain No.8		5243	0	46000
5	Yamuna before Budhiya Nalah	28.379079/ 77.486982	5439	70	-
	Yamuna after Budhiya Nalah		5500.25	45	-
6	Yamuna before Guanchi	27.912886/ 77.519735	5365.5	14	690
	Yamuna after Guanchi		5420.405	13	820

(b) 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 49 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	Panipat	9	7	2
2	Faridabad	7	7	0
3	Sonepat	13	12	1
4	Ballabgarh	5	1	4
5	Palwal	7	3	4
6	Bahadurgarh	7	1	6
7	Gurgaon South	7	7	0
8	Gurgaon North	8	8	0
9	Yamuna Nagar	3	3	0
Total		66	49	17

6.1 (vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc.

(a) Bio Medical Waste Management

As per the Annual Report of 2018 Haryana state has generated 14217.88 KG/Day and same is processed/treated by the authorized 11 nos. of Common Bio Medical Waste Treatment Facilities. Total Incineration Capacity of these CBWTFs is 1650 Kg/hr.

As per Annual Report 2018, there are 4079 number of Health Care Facilities (HCFs) in the State including 2723 number Bedded HCFs and 1356 number Non Bedded HCFs. In all Bedded HCFs of State total numbers of Beds are 53259. Total Bio Medical Waste (BMW) generated by all HCFs is 14217.88 Kg/day.

(b) Plastic Waste Rules Management

As per the detail provided by ULBD total 525.121 TPD plastic waste is being generated and out of which 283.06 TPD is being processed/Treated. There is gap of 242.061 TPD.

Under the notification no 2/8/2013/R issued in the official Gazette of Haryana Govt. dated 20th August 2013, complete plastic ban has been enforced in the whole State.

The Municipal Corporation/Committee/Council is doing door to door collection and segregation and through private parties. ULBD is framing a proposal for use of plastic waste in road construction as per Indian road congress guidelines for energy recovery and waste oil from plastic waste.

For plastic waste (including other dry waste) segregation, 373 Material Recovery Facilities have been set up in the whole State. Apart from Material recovery Facilities, ULBs have also identified 3524 and registered 3232 rag pickers and Kabariwalas’s for collection and segregation of plastic waste. These rag pickers are also segregating the plastic waste on their own level and selling it to the recyclers directly. At present 22 nos. Of Plastic Waste recyclers are registered in Haryana under PWM Rules, 2016.

6.1 (vii) Ground water regulation

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

6.1 (viii) Adopting good irrigation practices,

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 "Incentivization 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 MLD 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 community based solar/grid powered mirco-irrigaton facilities have been installed for Irrigation of 768 hectare land.

6.1 (ix) Protection and management of Flood Plain Zones (FPZ).

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.

6.1 (x) Rain water harvesting,

Following steps are taken for rain water harvesting / conservation of water/avoid exploitation of ground water

(a). Roof Top Rain Water Harvesting Scheme

On 31.10.2001, a notification regarding making roof rain water harvesting- Conversation & Artificial recharge of ground water compulsory in Govt. buildings/HSVP Buildings, including all the private houses/buildings to be constructed in Urban Estates, in future having roof top surface area 100 Sqm. more was issued. Notification has already been circulated vide No.9945-46 dated 29.11.2001 (copy enclosed) and the areas/Urban Estates in Haryana where this notification has been made applicable have also been notified vide letter no.1200 dated 10.12.2001. (copy enclosed).

Sr. No.	Name of Urban Estate	Nos. of Harvesting Well
1	Kurukshetra	4879
2	Shahbad	638
3	Karnal	4395
4	Panipat	3032
5	Sonipat	3217
6	Gohana	338
7	Faridabad	10162
8	Yamunanagar / Jagadhari	139
9	Gurugram	21834

Sr. No.	Name of Urban Estate	Nos. of Harvesting Well
	Total	48634

425 rain water harvesting systems have been constructed by HSVP.

(b). Installation of dual button flushing cistern

Haryana Govt. has issued notification on 13.08.2014, making installation of dual button cisterns (capacity 10/5 Litre and 6/3 Litre) mandatory for all types of plot holders (new buildings) in HSVP areas in addition to all Govt. Buildings and Buildings in licensed areas. Occupation certificate shall not be issued in the absence of dual button flushing cisterns in these buildings.

(c). Graded tariff for economic use of water

The graded water tariff has been implemented in various Urban Estates in Haryana for economical domestic use of water.

(d). Reuse of tertiary treated / recycled water

To avoid exploitation of ground water, tertiary treated water is being used for irrigation/flushing purpose in some of Urban Estates of HSVP. Efforts are being made for its implementation in other Urban Estates also.

6.1 (xi) Maintaining minimum environmental flow of river

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.

6.1 (xii) Plantation on both sides of the river

Urban Estate Wise Plantation Done in HSVP Area					
Sr. No.	Name of U/E	Plantation Done in the Year 2016-17	Plantation Done in the Year 2017-18	Plantation Done in the Year 2018-19	Plantation Done in Year 2019-20 (upto 29.02.2020)
1	Jagadhri / Yamunagar	1905	1746	500	1178
2	Shahabad	155	0	0	0
3	Karnal	6819	10038	5000	2810
4	Faridabad	22073	26513	14300	22490
5	Palwal	1125	950	100	300
6	Rojka Meo	0	0	500	100
		32077	39247	20400	26878

Plantation done in catchment of river Yamuna by Forest Department.

Detail of plantation in catchment areas of Yamuna river				
	Plantation 2018-2019		Plantation Target 2019-2020	
District	Ha.	No. of plants	Ha.	No. of plants
Yamuna Nagar	977	10,67,000	898	9,20,000
Karnal	543	4,91,000	844	6,48,000
Panipat	599	5,41,000	540	4,46,000
Sonipat	646	5,06,000	612	4,99,000
Faridabad	527	3,62,000	940	7,44,000
Palwal	264	2,22,000	386	2,98,000
Total	3556	3189000	4220	3555000

6.1 (xiii) Setting up biodiversity parks on flood plains by removing encroachment.

Herbal Parks for Bio-diversity conservation		
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
Palwal		0
Total		253

Annexure-1

Management of sewage generation from towns in the catchment of river Yamuna.

Sr.No.	District		Name of Town	Present Population as on 01.01.2020	Water Consumption in 2020 MLD			Sewage generated	Name of Departments	No. & Treatment Capacity (in MLD)		Under construction	Proposed			Treatment Capacity required upto 2020 (MLD)	Gap in treatment upto 2020 (MLD)	Actual discharge reaching to STPs	Quantity of sewage to be diverted from unauthorized area		
					Existing																
					No.	Cap.	No.			Cap.	No.									Cap.	Total Capacity
					A	B	A+B= C			80% of C											
1	Yamuna nagar	1	Jagadhri	152995	20.65		20.65	16.52	PHED	1	24				24	16.52	0	16.2			
2		2	Yamunanagar	265912	35.9		35.9	28.72	PHED	3	55	1	10	Replacement	65	28.72	0	38	38.56		
3		3	Radaur	16770	2.26		2.26	1.81	PHED	1	3.5				3.5	1.81	0	2.5			
4		4	Chhachhrauli	12902	1.74		1.74	1.39	PHED	1	3				3	1.39	0	1.6			
5		5	Ladwa	35387	4.78		4.78	3.82	PHED	1	7				7	3.82	0	5			
6	Karnal	1	Nilokheri	21276	2.87		2.87	2.3	PHED	1	6				6	2.3	0	4.5	0		
7		2	Taraori	30771	4.15		4.15	3.32	PHED	1	5.5				5.5	3.32	0	3.5	0		
8		3	Indri	21422	2.89		2.89	2.31	PHED	1	1.5	1	4	Replacement of total STP with increased	4	2.31	0.8	2			

Sr.No.	District		Name of Town	Present Population as on 01.01.2020	Water Consumption in 2020 MLD			Sewage generated	Name of Departments	No. & Treatment Capacity (in MLD)							Treatment Capacity required upto 2020 (MLD)	Gap in treatment upto 2020 (MLD)	Actual discharge reaching to STPs	Quantity of sewage to be diverted from unauthorized area
					Existing		Under construction			Proposed		Total Capacity								
					No.	Cap.	No.			Cap.	No.		Cap.							
					A	B	A+B= C			80% of C										
													capacity new STP (4 MLD)							
9		4	Karnal	287000	44.485	0	44.485	35.588	MC Karnal	4	66	3	78		144	40	0	52 MLD	4 MLD	
10		5	Nissing	20682	2.79		2.79	2.23	PHED	1	4				4	2.23	0	2	2.89	
11		6	Gharaunda	44851	6.05		6.05	4.83	PHED	1	7				7	4.83	0	5	4.8	
12	Panipat	1	Panipat	744400	100.49		100.49	80.4	PHED HSAVP	6	120.8				120.8	80.4	0	90	19.82	
13		2	Samalkha	50973	6.88		6.88	5.51	PHED	1	5				5	5.51	0.5	3.2		
14	Sonipat	1	Gohana	80494	10.87		10.87	8.69	PHED	2	11.3				11.3	8.69	0	8.5	10.87	
15		2	Ganaur	45216	6.1		6.1	4.88	PHED	1	7				7	4.88	0	6.29		
16		3	Sonepat	448890	44.90 MLD appx.	0	44.9	35.92 MLD	ULBD/HS VP	3	62.5			2	18	80.5	36	-	8.5	-
17		4	Kharkhoda	30687	4.14		4.14	3.31	PHED	1	4.5				4.5	3.31	0	2.5	0	
18	Rohtak	1	Maham	24990	3.37		3.37	2.7	PHED	1	5				5	2.7	0	3.6	-	
19		2	Rohtak	574503	77.56		77.56	62.05	PHED/HS VP/ULBD	5	93.5	3	37	1	10	140.5	62.05	0	57.5	-
20		3	Kalanaur	27516	3.71		3.71	2.97	PHED	1	3.5				3.5	2.97	0	2	-	
21		4	Sampla	25087	3.39		3.39	2.71	PHED	1	4				4	2.71	0	3	0(Already	

Sr.No.	District		Name of Town	Present Population as on 01.01.2020	Water Consumption in 2020 MLD			Sewage generated	Name of Departments	No. & Treatment Capacity (in MLD)			Treatment Capacity required upto 2020 (MLD)	Gap in treatment upto 2020 (MLD)	Actual discharge reaching to STPs	Quantity of sewage to be diverted from unauthorized area							
					Supplied by Deptt.	Supplied by private developers	Total consumption			Existing	Under construction	Proposed											
																	No.	Cap.	No.	Cap.	No.	Cap.	Total Capacity
																	A	B	A+B= C	80% of C			
																tapped to sewer line)							
22	Jhajjar	1	Beri	19658	2.65		2.65	2.12	PHED	1	2				2	2.12	0.1	0.5	---				
23		2	Bahadurgarh	250379	33.8		33.8	27.01	PHED HSAVP	3	64				64	27.01	0	26.6	5.48				
24		3	Jhajjar	59779	8.07		8.07	6.46	PHED	2	10.5				10.5	6.46	0	3.75	0.08				
25	Gurugram	1	Taoru	27000	5		5	3	PHED	1	4.5	0	0	0	4.5	4.5	0						
26		3	Gurugram	1900000	478	60	538	430	GMDA	5	388	0	0	5	147.5	535.5	430	0	373(33+40)	51.3			
									MCG	0	0	6	7	0	0	7							
								Colonizers (DLF)	28	40													
27	Mewat	1	Nuh	21620	2.92		2.92	2.33	PHED	1	3.6				3.6	2.33	0	1.6					
28		2	Ferozepur jhirka	32908	4.44		4.44	3.55	PHED	1	5				5	4.44	0	4					
29		3	Punahana	32889	4.44		4.44	3.55	PHED	1	4.5				4.5	4.44	0	2.75					
30	Faridabad	1	Faridabad	2000000	270 MLD	0	270 MLD	216 MLD	MCF/HSVP	1	45	2	17.5	3	210	272.5	216	171	158	3			
31	Palwal	1	Palwal	167545	22.62		22.62	18.09	PHED	1	9	3	27.5	Replacement	36.5	18.09	9	8.5					
32		2	Hathin	17017	2.3		2.3	1.84	PHED	1	4.5				4.5	1.84	0	2.9					
33		3	Hassan Pur	14685	1.98		1.98	1.59	PHED	1	3				3	1.59	0	1.2					
34		4	Hodal	63682	8.6		8.6	6.88	PHED	1	9				9	6.88	0	4.6					

Sr.No.	District	Name of Town	Present Population as on 01.01.2020	Water Consumption in 2020 MLD			Sewage generated	Name of Departments	No. & Treatment Capacity (in MLD)							Treatment Capacity required upto 2020 (MLD)	Gap in treatment upto 2020 (MLD)	Actual discharge reaching to STPs	Quantity of sewage to be diverted from unauthorized area							
				Supplied by Deptt.	Supplied by private developers	Total consumption			Existing	Under construction	Proposed	No.	Cap.	No.	Cap.					No.	Cap.	Total Capacity				
																							A	B	A+B= C	80% of C
Total			5669886	1234.8	60	1294.8	1034.4	58(Excluding private colonizer STPs)	1052.2 (Excluding private colonizer STPs)	19	181	11	385.5	1617.2	999.5	181.4	479.79	98.24								

Annexure-2

Existing STPs

Sr. No.	Name of the district	Name of the town/city	Deptt.	Existing STP and Capacity (MLD)	A/R No. and date	Latest Compliance Status	Action Taken Report
1	Yamuna Nagar	Yamuna Nagar	PHED	25	Under Stabilization		
2	Yamuna Nagar	Radur Road, Yamuna Nagar	PHED	20	Trial run		
3	Yamuna Nagar	Parwaloo, Jagadhri	PHED	24	1831 dt. 13.12.2019	Complying	
4	Yamuna Nagar	Chhachhrauli	PHED	3	1829 dt. 13.12.2019	Complying	
5	Yamuna Nagar	Radaur	PHED	3.5	1830 dt. 13.12.2019	Complying	
6	Yamuna Nagar	Baddimajra, Yamuna Nagar	PHED	10	Under trial run		
7	Karnal	Gharanda	PHED	7	1626-13.11.2019	Complying	
8	Karnal	Indri	PHED	1.5	Non complying and under upgradation		
9	Karnal	Nilokheri	PHED	6	2248 dt. 26.02.2020	Complying	
10	Karnal	Nissing	PHED	4	1629 dt. 13.11.2019	Complying	
11	Karnal	Tarori	PHED	5.5	2247 dt. 26.02.2020	Complying	
12	Panipat	Sewah, Panipat	PHED	35	1930 dt. 07.01.2020	Complying	
13	Panipat	Jattal Road, Panipat	PHED	10	1931 dt. 7.01.2020	Complying	
14	Panipat	Samalkha	PHED	5	1933 dt. 07.01.2020	Complying	
15	Panipat	Sewah, Panipat	PHED	25	1928 dt. 07.01.2020	Complying	
16	Panipat	Jattal Road, Panipat	PHED	20	1929 dt. 07.01.2020	Complying	
17	Sonepat	Kharkhoda	PHED	4.5	1914 dt. 7.1.2020	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
18	Sonepat	Ganaur	PHED	7		Complying	

Sr. No.	Name of the district	Name of the town/city	Deptt.	Existing STP and Capacity (MLD)	A/R No. and date	Latest Compliance Status	Action Taken Report
19	Sonepat	Gohana	PHED	3	1938 dt. 13.1.2020	Complying	
20	Sonepat	Gohana	PHED	8.3	1937 dt. 13.1.2020	Complying	
21	Jhajjar	Jhajjar	PHED	5.5	448-49 dt. 04.12.2019	Complying	
22	Jhajjar	Jhajjar	PHED	5	446-47 dt. 4.12.19	Complying	
23	Jhajjar	Beri	PHED	2	Oxidation pond has been inspected on 03.08.2019 for inspection 2 MLD STP Beri, but sample could not be collected as there was no discharge available at final outlet of oxidation pond.		
24	Jhajjar	Bahadurgarh	PHED	18	704-05 dt. 25.02.2020	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
25	Jhajjar	Bahadurgarh	PHED	36	706-07 dt. 25.02.2020	Complying	
26	Rohtak	PGI Rohtak	PHED	19.5	696-97 dt. 25.02.2020	Complying	
27	Rohtak	Sonaria, Rohtak	PHED	40	700 dt. 25.02.2020	Non complying	Operational deficiencies such as cleaning of sludge line, gas holder, fitting of additional mechanical degritter, additional sludge remover with new pump and repair of piping system has been done. STP is under stabilisation and time for better results be allowed upto 30.06.2020. PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
28	Rohtak	Kalanaur	PHED	3.5	421 dt. 22.11.2019	Non complying (by pass)	Operational deficiencies removed and STP is running satisfactorily. PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
29	Rohtak	Meham	PHED	5	422-23 dt. 22.11.2019	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
30	Rohtak	Singhpura, Rohtak	PHED	10	STP has been inspected on 20.11.2019 and found under maintenance, the		PHED has engaged Jamia Milia Islamia University to conduct

Sr. No.	Name of the district	Name of the town/city	Deptt.	Existing STP and Capacity (MLD)	A/R No. and date	Latest Compliance Status	Action Taken Report
					effluent is being treated through 14 MLD STP.		efficacy study of STPs.
31	Rohtak	Singhpura, Rohtak	PHED	14	722-23 dt. 25.02.2020	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
32	Rohtak	Sampla	PHED	4	427-28 dt. 26.11.2019	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
33	Gurgaon	Tarou	PHED	4.5	499-500 dated 26.12.2019	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
34	Mewat	Punhana	PHED	4.5	501-502 dated 26.12.2019	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
35	Mewat	Nuh	PHED	3.6	497-498 dated 26.12.2019	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
36	Mewat	Ferozpur Jhirka	PHED	5		Complying	
37	Palwal	Hassanpur	PHED	3		Complying	
38	Palwal	Hathin	PHED	4.5	2294 dt. 04.03.2020	Complying	PHED has engaged Jamia Milia Islamia University to conduct efficacy study of STPs.
39	Palwal	Hodal	PHED	9		Complying	
40	Palwal	Palwal	PHED	9	1769 dt. 17.02.2020	Complying	
41	Kurukshetra	Indri Road, Ladwa	PHED	7		Complying	
42	Panipat	Sec-19, Panipat	HSVP	30	1934 dt. 07.01.2020	Complying	
43	Panipat	Sec-6, Panipat	HSVP	0.8	1932 dt. 07.01.2020	Complying	
44	Sonepat	Rajiv Gandhi Edu. City, Phase-I, Sonepat	HSVP	7.5	1926 dt. 07.01.2020	Complying	
45	Jhajjar	Sec-36, Bahadurgarh	HSVP	10	450-51 dt. 4.12.2019	Complying	
46	Rohtak	Sec-25, Rohtak	HSVP	10		Complying	
47	Gurgaon	Dhanwapur,	GMDA	68	11-12 dt. 30.04.202	Complying	

Sr. No.	Name of the district	Name of the town/city	Deptt.	Existing STP and Capacity (MLD)	A/R No. and date	Latest Compliance Status	Action Taken Report
		Gurgaon			0		
48	Gurgaon	Dhanwapur, Gurgaon	GMDA	100	13-14 dt. 30.04.2020	Complying	
49	Gurgaon	Behrampur	GMDA	50	575 dt. 07.01.2020	Complying	
50	Gurgaon	Behrampur, Gurgaon	GMDA	120	574 dt. 07.01.2020	Complying	
51	Gurgaon	Dhanwapur, Gurgaon	GMDA	50	15-16 dt. 30.04.2020	Complying	
52	Faridabad	Badshahpur, Faridabad	ULB	45	2224 & 2225 dt. 26.02.2020	Complying	The STP has been made functional recently after rectification of deficiencies. Latest sample has to be collected.
53	Karnal	Near Sector-4, Karnal	ULBD	40		Non Complying (Under upgradation)	
54	Karnal	Goghari pur Road, Karnal	ULBD	10	1628 dt. 13.11.2019	Complying	
55	Karnal	Kaithal Road, Karnal	ULBD	8		Non Complying (Under upgradation)	
56	Karnal	RK Puram, Karnal	PHED	8	2250-26.02.2020	Complying	Completed on 31.10.2019 and is under trial run. The STP is being handed over to MC, Karnal.
57	Sonepat	Rathdana Road, Sonepat	ULBD	30	1927 dt. 07.01.2020	Non-complying (Sample could not be collected as effluent is not reaching to STP. The sample of bypass has been	The STP has been made functional recently after rectification of deficiencies. Latest sample has to be collected.

Sr. No.	Name of the district	Name of the town/city	Deptt.	Existing STP and Capacity (MLD)	A/R No. and date	Latest Compliance Status	Action Taken Report
						collected and show cause for prosecution issued.)	
58	Sonepat	Kakroi Road, Sonepat	ULBD	25	1925 dt. 07.01.2020	Non-Complying	
		Total		1052.2			

Annexure-3

Month wise action plan for Construction of new STPs in the catchment of river Yamuna

Sr. No.	Name of town/city	Deptt.	Capacity (MLD)	Target date	Progress upto May, 2020	Progress upto June, 2020
Work Completed						
1	Radaur Road Yamuna Nagar	PHED	20	30.09.2019	Completed	Completed
2	Baddi Majra, Yamuna Nagar	PHED	10	26.07.2019	Completed	Completed
3	Gharaunda	PHED	7	31.05.2019	Completed	Completed
4	RK Puram, Karnal	PHED	8	31.10.2019	Completed	Completed
5	Firozpur Jhirka	PHED	5	20.11.2019	Completed	Completed
	Total		50			
In Progress						
1	Shiv Colony, Karnal	ULBD	8	30.10.2020	53%	53%
2	Phooshgarh, Karnal	ULBD	20	31.12.2020	55%	55%
3	Transport Nagar, Karnal	ULBD	50	30.06.2020	95%	95%
4	Garhi Bohar, Rohak	ULBD	12	31.12.2020	10%	10%
5	Singhpura, Rohtak	ULBD	10	31.12.2020	85%	85%
6	Peer Bodhi, Rohak	ULBD	15	30.06.2021	0	0
7	Sarai Alawardi	ULBD	1	29.02.2020	95%	95%
8	Gadoli Kalan	ULBD	1	29.02.2020	90%	90%
9	Baliawas (against Gwalpahadi)	ULBD	1	31.07.2020	60%	60%
10	Jajzgarh (against Khiwari, Gurugram)	ULBD	10	30.11.2020	Being converted from 10 MLD to 20 MLD STP with GMDA authorities.	Being converted from 10 MLD to 20 MLD STP with GMDA authorities.
11	Mohmadpur Jharsa	ULBD	2	30.11.2020	50%	50%
12	Darbaripur	ULBD	1	31.07.2020	45%	45%
13	Bandwari(Shifted from Sihi/Khedki Daula)	ULBD	1		5%	5%
14	Faridabad	HSVP	7.5	30.09.2020	85%	85%
15	Faridabad	ULBD	10	31.07.2021	2%	2%
16	Kithwari (against Ferozpur, Palwal)	ULBD	10	30.11.2020	18%	18%
17	Jodhpur Road, Palwal	ULBD	15	31.07.2020	33%	33%

Sr. No.	Name of town/city	Deptt.	Capacity (MLD)	Target date	Progress upto May, 2020	Progress upto June, 2020
18	Ferozpur, Palwal	ULBD	2.5	31.08.2020	33%	33%
Total			177			

Action plan for Under Proposal STPs

Sr.No.	Name of the district	Name of the town/city	Capacity (MLD)	Date completion	Remarks
GMDA					
1	Gurugram	Jhazgarh	20	31.12.2021	DNIT under finalization
2	Gurugram	Dhanwapur	100	31.12.2022	DNIT under finalization
3	Gurugram	Manesar and Naharpur Kasan, Gurugram	25	31.12.2022	DNIT under finalization
HSVP					
1	Sonepat	Sonepat(Aterna)	15	30.06.2021	Tender approved; work allotted
2	Murthal	ULBD	3	30.06.2021	The work has been allotted to the agency
3	Rohtak	Rohtak	10	31.07.2021	Tender approved; work allotted
4	Faridabad	Faridabad	30	31.12.2021	Estimate and DNIT approved
Gram Panchayat Department					
1	Gurugram	Dhankot, Gurugram	0.5	30.09.2021	
2	Gurugram	Bajghera	2	30.09.2021	DNIT under finalization
ULBD					
1	Faridabad	Mirjapur, Faridabad	80	31.12.2021	Tender has been invited which is scheduled to be opened on 25.06.2020.
2	Faridabad	Partapgarh, Faridabad	100	31.12.2021	Tender has been invited which is scheduled to be opened on 25.06.2020.
Total			385.5		

Annexure-5

Month wise execution plan for Laying of sewerage in approved area

Sr. No.	Name of town	Deptt.	Target date	Length to be laid	Progress upto May, 2020	Progress upto June, 2020	Remarks
1	Bahadurgarh	ULB	31.08.2020	25000	19600	19600	78.40%
2	Beri	PHED	31.12.2021.	8720	0	600	6.88%
3	Gohana	PHED	Sewerage in approved area 100 % laid	18000	18000	18000	Completed
4	Indri	PHED	Sewerage in approved area 100 % laid	7350	7350	7350	Completed
5	Jagadhri	ULB	30.11.2020	109320	52550	52550	48.06%
6	Radaur	PHED	Sewerage in approved area 100 % laid	2000	2000	2000	Completed
7	Nilokheri	PHED	Sewerage in approved area 100 % laid 31.12.2020	3640	1430	3640	Completed
8	Palwal	ULB	31.12.2020	148700	76310	76310	51.30%
9	Panipat	ULB	31.07.2021	211548	82000	82000	38.76%
10	Rohtak	ULB	30.09.2020	174690	75173	75173	43.03%
11	Ferozpur Jhirka	PHED	31.12.2020	4000	1950	2500	62.50%
12	Taoru	PHED	Sewerage in approved area 100 % laid	10070	10090	10070	Completed
13	Sonepat	ULB	31.12.2020	63500	39350	39350	62%
14	Gannaur	PHED	Sewerage in approved area 100 % laid	28346	28346	28346	Completed
15	Nuh	PHED	Sewerage in approved area 100 % laid	4857	4857	4857	Completed
16	Punhana	PHED	30.04.2020	25839	21400	21400	82.82%
17	Hodal	PHED	Sewerage in approved area 100 % laid	26820	26570	26820	Completed
18	Jhajjar	PHED	Sewerage in approved area 100 % laid	3595	3595	3595	Completed

Sr. No.	Name of town	Deptt.	Target date	Length to be laid	Progress upto May, 2020	Progress upto June, 2020	Remarks
19	Kalanaur	PHED	Sewerage in approved area 100 % laid	17000	17000	17000	Completed
20	Kharkhoda	PHED	30.06.2021 Sewerage in approved area 100 % laid	Due to narrow streets, not possible to lay sewer and drains water diverted/ tapped inot nearby sewer by ULBD			Completed
21	Ladwa	PHED	Sewerage in approved area 100 % laid	4400	4400	4400	Completed
22	Samalkha	PHED	31.12.2020	3700	1806	1806	48.81
23	Sampla	PHED	Sewerage in approved area 100% laid	3720	3720	3720	Completed
24	Hathin	PHED	Sewerage in approved area 100 % laid	1887	1887	1887	Completed
25	Hassanpur	PHED	Sewerage in approved area 100 % laid	4000	3700	4000	Completed
26	Meham	PHED	Sewerage in approved area 100 % laid				Completed
27	Nissing	PHED	30.06.2020	3850	3000	3378	87.74%
28	Gharaunda	PHED	Sewerage in approved area 100 % laid	23340	8500	23340	Completed
29	Taraori	PHED	30.09.2020	4700	2720	3710	79%
30	Faridabad	ULBD	31.12.2020	450000	319000	321000	71.30%
31	Karnal	ULBD	30.06.2020	152000	125503	125503	82.56
32	Yamuna Nagar	Sewerage already laid.					Completed
33	Chhachhrauli	Sewerage already laid.					Completed
34	Gurugram	Sewerage already laid.					Completed
			Total	1544592	961807	983905	

Existing CETPs in the catchment of river Yamuna

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Existing/ Under construction/proposed	Present status
1	IE Rai, Sonapat	5	HSI IDC	Existing	Plant functional and Complying.
2	IE Barhi, Sonapat	16	HSI IDC	Existing	Plant functional and Complying.
3	IE Kundli, Sonapat	4	HSI IDC	Existing	Plant functional but non complying .
4	IE Murthal, Sonapat	0.2	HSI IDC	Existing	Plant functional and Complying.
5	IMT Rohtak	10	HSI IDC	Existing	Plant functional and Complying,
6	IE Kutana, Rohtak	3	HSI IDC	Existing	Plant under trial run.
7	IE Panipat Refinery Complex, Panipat	2.5	HSI IDC	Existing	Could not be functional , due to Non availability of sufficient effluent
8	HSI IDC Sector 16-17, Bahadurgarh	12.5	HSI IDC	Existing	Plant functional and Complying,
9	IMT faridabad	10.5	HSI IDC	Existing	Running satisfactory and Complying
10	IMT Manesar, Gurugram	55	HSI IDC	Existing	Plant functional and Complying,
11	Sector-29, Panipat	21	HSVP	Existing	Plant functional but non complying .
12	Sector-29, Panipat	21	HSVP	Existing	Plant functional but non complying .
13	Faridabad Electroplaters Association	0.6	Private	Existing	Plant functional and Complying,
14	Industrial Area, Sector-37, Gurugram	0.2	Private	Existing	
	Total	161.5			

Under proposal CETPs in the catchment of river Yamuna

Sr.No.	Name of the town/city	Deptt.	Proposed capacity (MLD)
Yamuna			
1	IE Manakpura, Yamuna Nagar	HSI IDC	3
2	IE Bahadurgarh	HSI IDC	10
3	Partapgarh, Faridabad	HSI IDC	50
4	Mirzapur, Faridabad	HSI IDC	25
5	Badshahpur, Faridabad	HSI IDC	15
6	Sector-34, Gurugram	HSI IDC	20
7	Sector- 18, Gurugram	HSI IDC	1.5
8	IDC, Gurugram	HSI IDC	0.75
9	Industrial Area, Sector-37, Gurugram	HSI IDC	9
Total			134.25