



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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No. HSPCB/WC/6518-6529

Dated:- 15-01-2021

To

1. Chief Executive Officer, GMDA, Gurugram.
2. Additional Chief Secretary, Forest Department, Govt. of Haryana.
3. Additional Chief Secretary, Agriculture Department, Govt. of Haryana.
4. Additional Chief Secretary, Irrigation Department, Govt. of Haryana.
5. Additional Chief Secretary, Public Health Engineering Deptt, Govt of Haryana.
6. Additional Chief Secretary, Urban Local Bodies Dept, Govt of Haryana.
7. Principal Secretary, Mining and Geology Department, Govt. of Haryana.
8. Principal Secretary, Development & Panchayat Dept, Govt of Haryana.
9. Principal Secretary, Town and Country Planning Deptt, Govt of Haryana.
10. Principal Secretary, Industries Deptt, Govt of Haryana.
11. The Director, Rural Development Department, Haryana, Chandigarh.
12. The Managing Director, HSIIDC, Panchkula.

Sub:- 10th Review of the progress of Yamuna Action Plan and Ghaggar Action Plan by River Rejuvenation Committee (RRC) in OA No. 673/2018, OA No. 6/2012, OA No. 138 of 2016 and OA No. 148/2016.


Sir,

Kindly refer to the subject noted above.

In this connection, it is intimated that the 10th Review of the progress of Yamuna Action Plan and Ghaggar Action Plan in OA No. 673/2018, OA No. 6/2012, OA No. 138 of 2016 and OA No. 148/2016 has been done by River Rejuvenation Committee (RRC). The latest compiled progress report alongwith observations/recommendations of RRC is enclosed herewith.

In view of above, I have been directed to request you to arrange to submit the updated action taken report please.

DA/ As above


Sr. Eny. Engineer (HQ)
For Member Secretary

10th Review of the progress of Yamuna Action Plan and Ghaggar Action Plan by River Rejuvenation Committee (RRC) in OA No. 673/2018, OA No. 6/2012, OA No. 138 of 2016 and OA No. 148/2016 – Reg.

As per the directions of Hon'ble NGT vide order dated 21.09.2020 OA No. 673/2018 "More river Stretches are now critically polluted: CPCB" the execution of action plans is to be monitored by River Rejuvenation Committee (RRCs) as already directed. 9 meetings have been held at RRC level, so far to review the status. The progress made by different departments with regard to the actions proposed in the plans, are to be reviewed in this 10th review by RRC.

Department wise review is as under:-

Public Health Engineering Department

1. Under Construction STPs

River Ghaggar

Sr. No.	Name of the Town/city	Capacity (in MLD)	Timelines	Progress upto Dec, 2020	Remarks
In progress					
1	Bhuna	8	31.03.2021	85%	In progress

River Yamuna

Sr. No.	Name of town/city	Capacity (MLD)	Timelines	Progress upto Dec, 2020	Remarks
In progress					
1	Baddi Majra, Yamuna Nagar	10	31.12.2020	98%	Work was to be completed by 30.11.2020. Work delayed due to COVID-19

2. Under upgradation STPs

River Ghaggar

Sr. No.	Name of the towns/city	Present capacity (in MLD)	Proposed capacity after upgradation (in MLD)	Technology of present STP and proposed technology after upgradation	Timelines	Extended date in view of COVID-19	Latest progress upto Dec, 2020
1	Jind	15	15	MBBR MBBR+TT	30.06.2020	31.12.2020	75%
2	Kaithal	10	10	MBBR MBBR+TT	30.06.2020	Completed	Completed and under trial run
3	Pundri	3.5	3.5	MBBR MBBR+TT	30.06.2020	Completed	Completed and under trial run
4	Ellanabad	7.5	7.5	MBBR MBBR+TT	31.12.2020	28.02.2021	80%
5	Fatehabad	10	10	MBBR	31.12.2020	31.07.2021	35%

	ad			MBBR+TT			
6	Ratia	6.5	6.5	MBBR MBBR+TT	31.12.2020	30.06.2021	30%
7	Tohana	10	10	MBBR MBBR+TT	31.12.2020	30.09.2021	35%
8	Sirsa	15	15	MBBR MBBR+TT	31.12.2020	28.02.2021	80%
	Total	77.5	77.5				

Funds not tied up for 18 STPs and land not available for 2 STPs for upgradation. EC advised that these 20 STPs to be upgraded by 30.06.2021.

List of STPs where funds not tied up so far for upgradation.

Sr. No.	Name of town	Technology	Capacity	Remarks
1	Ambala city	MBBR	3	DPR Approved
2	Ambala city	MBBR	3.25	DPR Approved
3	Ambala city	MBBR	5	DPR Approved
4	Ambala city	MBBR	5	DPR Approved
5	Ambala city	MBBR	3	DPR Approved
6	Ambala city	MBBR	3.25	DPR Approved
7	Ambala city	MBBR	5	DPR Approved
8	Ambala city	MBBR	3.25	DPR Approved
9	Naraingarh	MBBR	3	DPR Approved
10	Jind	MBBR	5	DPR Approved
11	Narwana	MBBR	3.5	DPR Approved
12	Narwana	MBBR	3.75	DPR Approved
13	Narwana	MBBR	2	DPR Approved
14	Uchana	Oxidation pond	2	DPR Approved
15	Uchana	MBBR	1.5	DPR Approved
16	Pehowa	MBBR	8	DPR Approved
17	Sirsa	MBBR	5	DPR Approved
18	Sirsa	MBBR	5	DPR Approved
	Total		69.5	
1	Kalka	MBBR	4.5	Land not available for upgradation
2	Ambala city	MBBR	6	Land not available for upgradation
			10.5	

River Yamuna

Sr. No.	Name of town/city	Present capacity (in MLD)	Proposed capacity after upgradation (in MLD)	Technology of present STP and proposed technology after upgradation	Timelines	Progress upto Dec, 2020	Remarks
In progress							
1	Indri	1.5	4	Oxidation pond/SBR	31.03.2021	85%	Work was held up for a long time due to outbreak of COVID-19
2	Beri	2	3	Oxidation pond/SBR	31.03.2022	15%	Work delayed due to

Sr. No.	Name of town/city	Present capacity (in MLD)	Proposed capacity after upgradation (in MLD)	Technology of present STP and proposed technology after upgradation	Timelines	Progress upto Dec, 2020	Remarks
							arrangement of land and COVID-19

3. Laying of sewerage

River Ghaggar

Work already lagging behind the timelines at Pinjore as the target date has already passed. Work will be delayed at Jakhal Mandi and Mandi Dabwali. Needs to be expedited.

Sr. No.	Name of town	Timelines	Length to be laid (in meters)	Progress upto Dec, 2020	% age of work done	Remarks
1	Pinjore	31.12.2020	18500	17000	91.89%	In progress
2	Jakhal Mandi	31.03.2022	46861	4800	10.24%	In progress
3	Mandi Dabwali	31.08.2021	15000	9000	60.00%	In progress

River Yamuna

Sr. No.	Name of town	Timelines	Length to be laid (in meter)	Progress upto Dec, 2020	%age of work done	Remarks
In progress						
1	Beri	31.03.2021	8720	4000	45.87%	In progress
2	Ferozpur Jhirka	31.12.2020	4000	4000	100%	Completed
3	Punhana	31.12.2020	25839	225839	100%	Completed

4. Interception/diversion of sewage in the un-approved areas

River Ghaggar

Sr. No.	Name of city MC	No. of location	Quantity of effluent to be diverted MLD	Work Completed		Work in progress		Work not started	
				No. of location	Quantity (MLD)	No. of location	Quantity (MLD)	No. of location	Quantity (MLD)
1	Pehowa	2	0.005	0	0	2	0.005	0	0
2	Panchkula	15	13.21	6	5.9	1	1.23	8	6.08

The list is enclosed is as under:-

Location of interception of sewage along river Ghaggar

Sr. No	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
1	Pehowa	Near Pooja Colony, Back side of girl school	PHED	0.002	31.12.20 21	Not started (Tendering)	This point is proposed to be connected to IPS of PHED which is under tendering process. The work will be started after completion of IPS of PHED.
2		Near Mehant Dairy	PHED	0.003	31.12.20 21	Not started (Tendering)	This point is proposed to be connected to IPS of PHED which is under tendering process. The work will be started after completion of IPS of PHED.
		Total		0.005			
3		old NH-22 opp. Pinjore Garden entry point near Kalka Shimla Highway	PHED	0.86	-	Completed	
4		Jhajjara river side end of Khurana colony	PHED	1.23	31.12.20 21	In progress	However, the revise estimate for laying of sewer line in Khurana colony is under preparation and the likely date of completion will be 31.12.2021.
5	Panchkula	Sukhna river side near bridge Khatik Mohalla/Handiya Mohalla	PHED	0.31	31.12.20 21	Not started. (Estimate under preparation)	Estimate under preparation and will be completed by 31.12.2021.
6		Sukhna river side near bridge Khatik Mohalla/Handiya Mohalla	PHED	0.31	-	completed	
7		Sukhna	PHED	0.39	-	completed	

Sr. No	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
		river of tributary of Ghaggar river					
8		Near Railway washing centre Kalka	PHED	0.39	Dec, 20	Not started	It relates to Railway Department due to washing of Train Engine etc. The letter is written to Railway Department.
9		Abad area to river Ghaggar	PHED	0.31	Dec, 20	Not started	The area is Chandi Mandir. So the area relates to
10		Abadi area to river Ghaggar	PHED	0.34	June, 21	Not started	Development & Panchayat Department. The letter is written to
11		river Ghaggar	PHED	0.53	Dec, 20	Not started	Development & Panchayat Department.
12		River end of Khetpurali village	PHED /panchayat s	0.06	Dec, 20	Not started	The Khetpurali Village relates to Development & Panchayat Department. The letter is written to Development & Panchayat Department.
13		Near Bridge of river Tangri	PHED /panchayat s	0.14		Not started	The area relates Development & Panchayat Department.
14		Drain of Manakpur Thakur Das	PHED	4		Not started	The MankpurThakurdas relates to Development & Panchayat Department.
15		Drain of Kamla Nagar	PHED	4	-	Completed	
16		Drain of Bangala Basti (Kalka)	PHED	0.25	-	Completed	There is as Sewage treatment plant of 0.25 MLD in which the effluent of Bangla Basti is being treated and only treated effluent is discharge at this point.
17		Sukhna	PHED	0.09	-	Completed	Waste Water

Sr. No.	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
		river side rambagh road (Bridge)					Connected with 4.50 mld Sewage Treatment Plant and nearby Nallah is also tapped.
		Total		13.21			

River Yamuna

Status of diversion of sewage in Leg-III.

The action needs to be expedited.

Sr. No.	Location where waste waterfalls into leg No. III	Discharge in MLD	Target Date	Status of Action Plan
1	Manesar	2.5	31.08.2021	Work is in progress & 20 % work completed, but work held up due to non-granting of permission by NHAI for laying service along and crossing NH-8 which is under process and still awaited
2	Naharpur Kasan	3.85	31.08.2021	Work is in progress and 90 % work of sewer line is completed. Permission from HSIIDC was required which has now been obtained, however, work is being held up due to COVID 19

5. Action plan for achieving standards for faecal Coliform

HSPCB has issued orders for fixing up the new standards for STPs as per directions of NGT vide letter dated 02.07.2020 and all STPs have to comply with the same and the Departments should submit action plan for each STP. Some of STPs are already designed for stringent standards. These should be taken up on priority. Action plan to achieve new standards is required. The timelines to achieve the Faecal Coliform standards are longer whereas the standards are applicable even today.

Yamuna Catchment

Department	Total No. of STPs	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2020	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2021	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2022	Timelines not given
PHED	41	16	2	22	1 (35 MLD STP Sewah Panipat)

Ghaggar Catchment

Department	Total No. of	Likely date of achieving Faecal	Likely date of achieving Faecal	Likely date of achieving Faecal
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	STPs	Coliform standards 100 MPN/100 ml by 2020	Coliform standards 100 MPN/100 ml by 2021	Coliform standards 100 MPN/100 ml by 2022
PHED	49	21	8	20

6. Survey of sources of pollution.

River Ghaggar

Sr. No.	Department Name	Department Points	Action plan not required/completed	Received Action Plan	Pending Points	Remarks
1	PHED	38	12	18	0	8 point related to other departments

River Yamuna

Sr. No.	Department Name	Department Points	Received Action Plan	Action not required	Pending Points	Remarks
1	PHED	28	9	8	0	19 point related to other department

7. Reward for good work/ Adverse Entries in ACRs of non performing officials.

The NGT has given specific directions in this regard. The action taken in this regard be apprised. Any adverse entry or reward given for successful accomplishment of any project is informed. The timelines are being extended without fixing the responsibility the action taken in this regard be submitted.

8. Phyto-Bio Remediation of drains.

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

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

GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB.

PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

9. Household Connections

River Ghaggar

The household should have connections with sewages. The pending households are made to have connection with sewer.

Catchment	Deptt.	No. of households	No. of sanctioned connections upto Dec, 2020	Pending household connections
Ghaggar	PHED	374575	215311	159264

River Yamuna

Catchment	Deptt.	No. of households	No. of sanctioned connections upto Dec, 2020	Pending household connections
Yamuna	PHED	341134	195520	145614

PHED intimated that most of the houses have sewer connections, however, the same are being regularized on year to year basis. The houses which are not having sewer connections, have constructed septic tanks/ soakage pits. Further, PHED is charging 25% of water bill as waste water charge and the same are being collected as per cycle of water supply bills.

10. Reuse of treated sewage

PHED has submitted its plan to CPCB. Monthly progress may be submitted by PHED being the Nodal Department for each STPs.

The monthly progress of the treated effluent being reused is to be provided on the following format.

Sr. No.	Name and Address of STPs	Deptt.	Capacity	Flow of inlet (in MLD)	Treated Effluent (in MLD)	Quantum of Treated Effluent being reused (in MLD)	Mode of re-use (Irrigation/ Horticulture/ Industrial use/ any others)

11. Inspection of HYMC.

RYMC has recommended action against the defaulting officers who provided wrong information. The ATR be given for the same. The letters already issued on 27.11.2020 by HSPCB.

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks
1	13.10.2020 36 MLD STP at Najafgarh road, Bahadurgarh. PHED	1. SCADA system was not working properly as oxygen level decreased upto 0.8 mg/l which is not acceptable.	1. SCADA system is working properly now and DO measurement at time of site visit was during the setting cycle in which anoxic	Keeping in the above fact, 36 MLD STP may please be treated in complying position, as the same is running smoothly as per norms of Hon'ble

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks
			condition prevail generally and DO levels are 0.5 to 1.0 mg/l.	NGT.
		2. Dissolved Oxygen sensors were not properly as at one place the reading was 3.8 mg/l and at the same time the reading at other place in the same Aeration Basin was 0.7 mg/l.	2. Dissolved Oxygen sensors were sent for repairs and now are full working and in place.	
		3. Screening grit was not proper as a lot of plastic garbage was visible in the Aeration Basin.	3. Plastic garbage which escapes the fine screens is manually cleaned every day.	
		4. Dissolved Oxygen sensors were not installed on 2 nd SBR basin.	4. The flow at the STP is around 10 MLD whereas the plant is designed for 36 MLD hence second SBR basin is not in use however DO sensors have been installed in 2 nd SBR basin as well.	
		5. Exercise infusion of recycling sludge which results in low bacterial activity thus results in low MLSS.	5. MLSS is maintained at 2800 to 3000 mg/l now.	
		6. Functional bypass arrangement is existing which is being used in odd hours.	6. Functional bypass arrangement is used during emergency only that too with permission from Competent Authority as well during emergency repairs.	
		7. Inadequate sludge generation as compared to the existing inflow of sewage. Status of STPs submitted as complying to HYMC. Actions	7. Sludge generated at STP is around 1100 to 1400 Kg/per day, which is disposed	

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks
		be initiated against the officers giving misleading information	outside regularly.	
2	13.10.2020 18 MLD STP Linepar, Bahadurgarh PHED	<p>1. Grit channel was not working properly.</p> <p>2. Anaerobic Digestion System (UASB) was not working properly.</p> <p>3. Biomethanization was not working properly as there was no methane (CH₄) formation and sludge blanket was also not visible.</p> <p>4. Absence of DHS media in bio water.</p> <p>5. Exercise foam formation.</p> <p>6. Online Monitoring System was not installed at inlet.</p>	<p>1. Grit is being removed regularly and filtrate is being sent back to MPS.</p> <p>2. UASB has efficiency of around 60% in terms of BOD removal (HCPB reports attached).</p> <p>3. Biogas is being regularly produced and sludge is being removed regularly, however sludge blanket being submerged in waste water deep around 3 meters is not visible by naked eyes.</p> <p>4. 2 layers of Bio Tower are already filled with media.</p> <p>5. As there is surface aeration in the ponds sulphides are converted into sulphates thus reducing the foul odor and causes foaming.</p> <p>6. Online monitoring system is installed at outlet inlet parameters are being analyzed in laboratory at site.</p>	<p>However, regular industrial waste for 4-5 hours is observed everyday in influent. This may be due to the dyeing units near the STP whose effluent are discharged untreated into the sewer line. The inlet COD is very high based on grab sampling during the period. general countrywide lockdown no industrial influent was observed (Newspaper clippings attached) Keeping in the above facts, 18 MLD STP may please be treated in complying position, as the same is running smoothly as</p>

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks
		<p>7. It is pertinent to mention here that the Tech Bulls Research and Engineering Consultants LLP in association with Research Group from Jamia Millia Islamia, New Delhi had submitted a detailed report indicating structural and operational deficiencies existing in the 18 MLD STP of PHED at Line Par Bahadurgarh. The PHED without considering the proposed modification/upgradations in the existing STP, they submitted that the STP is complying. Actions be initiated against the officers giving misleading information.</p>		per norms of Hon'ble NGT.
3	<p>10.11.2020 09 MLD STP at Hodal and 09 MLD STP at Palwal PHED</p>	<p>1. 9 MLD STP at Hodal</p> <ul style="list-style-type: none"> • Sludge Removal facility found non operational because Sludge Pump stolen from the site since the last 2 years. • Both the MBBR Aeration Basins are not functional. • Improper Aeration and lac of desired quantity of MBBR Media <p>2. 9 MLD STP at Palwal</p> <ul style="list-style-type: none"> • The STP was found operating properly. 		
4	<p>11.11.2020 20 MLD STP at Radaur Road, Yamuna Nagar, 25 MLD STP at Radaur Road Yamuna</p>	<p>1. DO sensor was found non operational at time of inspection and was displaying Faulty message.</p> <p>2. Excess sludge is being recycled to manipulate MLSS level.</p> <p>3. Dead sludge is being recycled in Aeration Tank to manipulate Aeration.</p> <p>4. By pass provision was found</p>		

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks
	Nagar, PHED	<p>there. And as per operator Bypass of Inlet effluent is done without prior approval of competent Authority.</p> <p>5. Inadequate Sludge generation and bench Centrifuge was not functioning properly. Slurry was coming out from the sludge centrifuge.</p> <p>6. Flow meter was not installed on Bye pass facility.</p> <p>7. The sensor installed for online continuous effluent monitoring analyzed manipulated as they are having no major variation in readings for different quality of effluent.</p>		
5	11.11.2020 10 MLD STP at Baddi Majra, Yamuna Nagar PHED	<p>1. No sludge was observed.</p> <p>2. Excess sludge is being recycled to manipulate MLSS level.</p> <p>3. Dead Sludge is being recycled in Aeration tank to manipulate Aeration.</p> <p>4. The sensor installed for online continuous effluent monitoring analyzed manipulated as they are having no major variation in readings for different quality of effluent.</p> <p>5. One more STP of capacity 10 MLD was under construction and would be ready for commissioning by 31.12.2020.</p>		
6	11.11.2020 24 MLD STP at Jagachari, Yamuna Nagar PHED	<p>1. MLSS was not found proper.</p> <p>2. Excess sludge is being recycled to manipulate MLSS level.</p> <p>3. Dead Sludge is being recycled in Aeration tank to manipulate Aeration.</p> <p>4. The sensor installed at Final outlet of CCT should be replaced at CCT Tank inlet.</p> <p>5. The treated effluent falling into WJC canal should be tapped and further needs to be diverted for the purpose of reuse/recycling. The construction work of laying pipeline/Trenchless pipe was in process to divert the discharge from WJC.</p>		

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks

12. Prior consent to establish (CTE) for new/ upgraded STPs

As per Water Act/Environment norms, the STPs have to obtain prior consent to establish (CTE) before starting construction of the new STPs or upgradation of STPs. The Govt. has already set up single window for this purpose. The Public Health Engineering Department may submit the status of consent to establish for new STPs and for STPs to be upgraded. It may be ensured that CTE has been obtained for such STPs.

13. Providing flow meter at inlet, outlet and bypass of the STP and display of online data of the flow meter.

The Executive Committee has directed to provide the flow meter inlet, outlet and bypass of the STP. The STPs should be provided with flow meters as per directions. The online data for the same should be displayed on the website of the HSPCB for monitoring the same. The Govt. of India has also pressed for ensuring utilization capacity of the STPs and ensures that all the sewerage is treated in STPs. The provision of flow meter shall ensure and help in monitoring the quantum of effluent being treated through a particular STP

Status of flow meters provided by PHED at inlet, outlet and Bypass of STPs

River Yamuna

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
1	Yamuna Nagar	Yamuna Nagar	25	Yes	Yes	No
2	Yamuna Nagar	Radur Road, Yamuna Nagar	20	Yes	Yes	No
3	Yamuna Nagar	Yamuna Nagar	10			
4	Yamuna Nagar	Parwaloo, Jagadhri	24	Yes	Yes	Yes
5	Yamuna Nagar	Chhachhrauli	3	Yes	Yes	No
6	Yamuna Nagar	Radaur	3.5	Yes	Yes	Yes
7	Yamuna Nagar	Baddimajra, Yamuna Nagar	10	Yes	Yes	No
8	Karnal	Gharaunda	7	No	Yes	No
9	Karnal	Indri	1.5	Yes	No	No
10	Karnal	Nilokheri	6	No	No	No
11	Karnal	Nissing	4	Yes	No	Yes
12	Karnal	Tarori	5.5	No	Yes	No
13	Panipat	Sewah, Panipat	35	Yes	No	No
14	Panipat	Jattal Road, Panipat	10	Yes	No	No

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
15	Panipat	Samalkha	5	No	Yes	No
16	Panipat	Sewah, Panipat	25	Yes	No	No
17	Panipat	Jattal Road, Panipat	20	Yes	No	No
18	Sonepat	Kharkhoda	4.5	No	Yes	No
19	Sonepat	Ganaur	7	No	No	No
20	Sonepat	Gohana	3	No	No	No
21	Sonepat	Gohana	8.3	No	No	No
22	Jhajjar	Kosli Road, Jhajjar	5.5	Yes	Yes	No
23	Jhajjar	Sampla Road, Jhajjar	5	Yes	No	No
24	Jhajjar	Beri	2	-	-	-
25	Jhajjar	Bahadurgarh	18	Yes	Yes	No
26	Jhajjar	Bahadurgarh	36	Yes	Yes	No
27	Rohtak	PGI Rohtak	19.5	Yes	Yes	No
28	Rohtak	Sonaria, Rohtak	40	No	No	No
29	Rohtak	Kalanaur	3.5	Yes	No	No
30	Rohtak	Meham	5	Yes	No	No
31	Rohtak	Singhpura, Rohtak	10	-	-	-
32	Rohtak	Singhpura, Rohtak	14	Yes	Yes	No
33	Rohtak	Sampla	4	-	-	-
34	Nuh	Taoru	4.5			
35	Nuh	Punhana	4.5	No	Yes	No
36	Nuh	Nuh	3.6	No	Yes	No
37	Nuh	Ferozepur Jhirka	5	-	-	-
38	Palwal	Hassanpur	3	No	Yes	No
39	Palwal	Hathin	4.5	No	Yes	No
40	Palwal	Hodal	9	Yes	Yes	No
41	Palwal	Palwal	9	Yes	No	No
42	Kurukshetra	Indri Road, Ladwa	7	Yes	Yes	Yes

River Ghaggar

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
1	Ambala	Naya Gaon, Unit-I, Ambala City	3.25	Yes	Yes	Yes
2	Ambala	Naya gaon, Unit-II, Ambala City	3.25	Yes	Yes	No
3	Ambala	Baldev Nagar, Unit-I,	5	Yes	Yes	Yes

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
		Ambala City				
4	Ambala	Baldev Nagar, Unit-II, Ambala City	3.25	Yes	Yes	No
5	Ambala	Moti Nagar, Unit-I, Ambala City	5	Yes	Yes	No
6	Ambala	Moti Nagar, Unit-II, Ambala City	5	Yes	Yes	No
7	Ambala	Modal Town, Ambala City	6	Yes	Yes	Yes
8	Ambala	Nasirpur, Ambala City	3.25	Yes	Yes	Yes
9	Ambala	Sadopur	0.25	No	No	No
10	Ambala	Devi Nagar, Ambala City	3.25	Yes	Yes	Yes
11	Ambala	Naraingarh	3	No	No	No
12	Kurukshetra	Modal Town, Pehowa	8	No	Yes	Yes
13	Kurukshetra	Ladwa Road, Shahbad	11.5	Yes	Yes	No
14	Kurukshetra	Thanesar	25	Yes	Yes	No
15	Panchkula	Kalka	4.5			
16	Panchkula	Kalka	0.25			
17	Panchkula	Nalagarh Road, Pinjore	5			
18	Jind	Hansi Road, Jind	15			
19	Jind	Narwana Road, Jind	5			
20	Jind	Jind	7			
21	Jind	Patiala Road, Narwana	3.5			
22	Jind	dharodi Road Narwana	3.75			
23	Jind	Narwana	2			
24	Jind	Near Railway, Uchana	2			
25	Jind	Bhangra Road, Uchana	1.5			
26	Jind	Safidon	9			
27	Kaithal	Cheeka	10			
28	Kaithal	Jind Road, Kaithal	10			
29	Kaithal	Manas Road, Kaithal	10			
30	Kaithal	Manas Road, Kaithal	10			
31	Kaithal	Kalayath	5			

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
32	Kaithal	Pundri	3.5			
33	Hisar	Azad Nagar, Rajgarh Road Hisar	15			
34	Hisar	Rishi Nagar, Hisar	40			
35	Hisar	Kaimri road, Hisar	4			
36	Hisar	Narnaund	4			
37	Sirsa	Chautala Road, Dabwali	16.5			
38	Sirsa	Shamsabad patti, Kalaria Road, Sirsa	15			
39	Sirsa	Kelnia	20			
40	Sirsa	Vill. Nattar 1, Sirsa	5			
41	Sirsa	Vill. Nattar 2, Sirsa	5			
42	Sirsa	Daddu Road, Kalanwali	9.5			
43	Sirsa	Ellenabad	7.5			
44	Sirsa	Jevan Nagar, Rania	6			
45	Fatehabad	Vill. Bhodia Khera, Bhattu Road, Fatehabad	10			
46	Fatehabad	Vill. Amani, Tohana, Distt. Fatehabad	10			
47	Fatehabad	Lali Road, Ratia	6.5			
48	Fatehabad	Fatehabad	5			
49	Fatehabad	Jakhal Mandi	3			

Other catchment

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
1	Gurgaon	Sohna	6			
2	Gurgaon	Pataudi	4.5			
3	Gurgaon	Farrukhnagar	3			
4	Gurgaon	Haily Mandi	5.5			
5	Jind	Julana	4			
6	Bhiwani	Dhana Road, Bhiwani	10	No	Yes	No
7	Bhiwani	Bhiwani	10	No	Yes	No

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
8	Bhiwani	Bhiwani	15	No	Yes	No
9	Bhiwani	Bhiwani	15	No	Yes	No
10	Bhiwani	Jhajjar Road, Charkhi Dadri	5	Installed but not operational	No	No provision by pass
11	Bhiwani	Chiriya Road, Charkhi Dadri	5	No	No	No
12	Bhiwani	Bawani Khera	4.5	Yes	Yes	No provision by pass
13	Bhiwani	Loharu	3.5	No	Yes	No provision by pass
14	Bhiwani	Tosham	3	Yes	Yes	Yes
15	Bhiwani	Siwani	4	Yes	No	No provision by pass
16	Mohindergarh	Mohindergarh	6.5			
17	Mohindergarh	Ateli Mandi	2	Yes	No	No
18	Mohindergarh	Kanina	3	Yes	Yes	Yes
19	Mohindergarh	Rewari Road, Narnaul	7.5	Yes	No	No
20	Rewari	Bawal	3	Yes	Yes	Yes
21	Rewari	Rewari	6.5	Yes	Yes	Yes
22	Rewari	Rewari	8	Yes	Yes	Yes
23	Rewari	Rewari	16	Yes	Yes	Yes
24	Rewari	Dharuhera	9.5	Yes	Yes	Yes
25	Rewari	Kosli	3	Yes	Yes	Yes
26	Ambala	Barara	4			
27	Karnal	Assandh	5			
28	Hisar	Hansi	6.5			
29	Hisar	Dhani Gram, Barwala	6			
30	Hisar	Uklana	6.5			
31	Hisar	Dhani Kushal, Bhiwani Road, Hansi	5			
32	Hisar	Lalpura- Jind Road, Hansi	7.5			

14. Display of online data by the STPs.

The HSPCB is monitoring the data of pollution parameters of the treated effluent from the STPs. But the STPs are not displaying the data always remain offline most of the time. Which is a violation of the statutory directions of the State Pollution Control Board and conditions of the consent to operate granted to the STPs.

Sr. No.	River	Total STP	OMD not installed	Online	Offline	Delay
1	Yamuna	42	2	26	12	2
	Ghaggar	49	0	29	19	1
	Other Catchment	32	0	19	11	2
	Total	123	2	74	42	5

Status of Online Monitoring Devices and display of data

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
River Yamuna						
1	25 MLD STP Radaur Road, Yamuna Nagar by PHED in 2002	Yamuna Nagar	25	installed	Connected with HSPCB	Online
2	20 MLD radur road yamunanagar	Radur Road, Yamuna Nagar	20	installed	Connected with HSPCB	Online
3	10 MLD STP Badi Majra, Yamuna Nagar by PHED March dt. 2000	Yamuna Nagar	10	installed	Connected with HSPCB	Offline
4	10 MLD , baddi majra, Yamunanagar new	Yamuna Nagar	10			Online
5	24 MLD STP Parwaloo dt. Yamuna Nagar by PHED in 31.12.2018	Parwaloo, Jagadhri	24	Installed	Connected with HSPCB	Offline
6	3 MLD STP Chhachhrauli, Yamuna Nagar by PHED in 31.12.2015	Chhachhrauli	3	Installed	Connected with HSPCB	Online
7	3.5 MLD STP Radaur, Yamuna Nagar by PHED 31.12.2015	Radaur	3.5	Installed	Connected with HSPCB	Offline
8	7 MLD STP Gharaunda dt. Karnal by PHED in March dt. 2004	Gharaunda	7	Installed	Connected with HSPCB	Online
9	4 (1.5) MLD STP Indri, Karnal by PHED in 2003	Indri	4 (1.5) updated	Not installed	Not Connected with HSPCB	
10	6 MLD STP Nilokheri, Karnal by PHED in 1.8.2014	Nilokheri	6	Installed	Connected with HSPCB	Offline
11	4 MLD, Nissing Karnal by PHED in 10.8.2016	Nissing	4	Installed	Connected with HSPCB	Online
12	5.5 MLD STP Taraori, Karnal in 1.6.2016	Tarori	5.5	Installed	Connected with HSPCB	Offline
13	35 MLD STP Sewah, Panipat by PHED in March dt. 2000	Sewah, Panipat	35	Installed	Connected with HSPCB	Offline
14	10 MLD STP Jattal Road, Panipat by PHED in March dt. 2000	Jattal Road, Panipat	10	Installed	Connected with HSPCB	Offline
15	5 MLD STP Samalkha, Panipat by PHED in June dt. 2013	Samalkha	5	Installed	Connected with HSPCB	Online
16	25 MLD STP Sewah, Panipat by PHED in April dt. 2016	Sewah, Panipat	25	Installed	Connected with HSPCB	Offline
17	20 MLD STP Jattal Road,	Jattal Road,	20	Installed	Connected	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
	Panipat by PHED in April dt. 2016	Panipat			with HSPCB	
18	4.5 MLD STP Kharkhoda Sonapat by PHED 1.8.2013	Kharkhoda	4.5	Installed	connected with HSPCB	Online
19	7 MLD STP Ganaur Sonapat by PHED in 1.1.2012	Ganaur	7	Installed	connected with HSPCB	Online
20	3 MLD STP dt. Gohana , Sonapat by PHED in 1.11.2015	Gohana	3	Installed	connected with HSPCB	Online
21	8.3 MLD STP Gohana, Sonapat by PHED in 2.7.2012	Gohana	8.3	Installed	connected with HSPCB	Online
22	5.5 MLD STP Kosli Road, Jhajjar by PHED in March dt. 2007	Kosli Road, Jhajjar	5.5	Installed	Connected with HSPCB	Delay
23	5 MLD STP Sampla Road, Jhajjar by PHED in 3.11.2014	Sampla Road, Jhajjar	5	Installed	Connected with HSPCB	Online
24	2 MLD STP Beri Jhajjar by PHED in 10.1.2010	Beri	2	Not Installed	Not Connected with HSPCB	
25	18 MLD STP dt. Linepar, Bahadurgarh by PHED dt. October dt. 2012	Bahadurgarh	18	Installed	Connected with HSPCB	Online
26	36/10 MLD STP Najafgarh Road, Bahadurgarh by PHED in 1.4.2014	Bahadurgarh	36	Installed	Connected with HSPCB	Online
27	19.5 MLD STP , PGIMMS , Rohtak by PHED in 31.3.2016	PGI Rohtak	19.5	Installed	Connected with HSPCB	Online
28	40 MLD dt. STP , Sonaria , Rohtak dt. PHED dt. 31.03.2016	Sonaria, Rohtak	40	Installed	Connected with HSPCB	Online
29	3.5 MLD STP Kalanour , Rohtak by PHED in 1.10.2010	Kalanaur	3.5	Installed	Connected with HSPCB	Online
30	5 MLD STP, Meham , Bharan Road , Rohtak by PHED January dt. 2013	Meham	5	Installed	Connected with HSPCB	Online
31	10 MLD STP Singhpura, Rohtak by PHED in February dt. 2012	Singhpura, Rohtak	10	Installed	connected with HSPCB	Offline
32	14 MLD STP, Singhpura , Rohtak by PHED in 31.3.2015	Singhpura, Rohtak	14	Installed	connected with HSPCB	Online
33	4 MLD STP Sampla Town Rohtak by PHED in 2011	Sampla	4	Installed	Connected with HSPCB	Online
34	4.5 MLD STP Tauru,	Tauru	4.5	Installed	Connected	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
	Mewat Gurgoan (North) by PHED in 30.6.2017				with HSPCB	
35	4.5 MLD STP Punhana, Mewat Gurgoan (North) by PHED in 31.12.2015	Punhana	4.5	Installed	Connected with HSPCB	Offline
36	3.6 MLD Nuh, Mewat Gurgoan (North) by PHED in 25.11.2016	Nuh	3.6	Installed	Connected with HSPCB	Online
37	5 MLD Ferozepur jhirkha PHED mewat	Ferozepur Jhirka	5	Installed	connected with HSPCB	Offline
38	3 MLD STP Hassanpur Palwal by PHED in 1.3.2016	Hassanpur	3	Installed	Connected with HSPCB	Offline
39	4.5 MLD STP Hathin Palwal by PHED in 31.12.2015	Hathin	4.5	Installed	Connected with HSPCB	Online
40	9 MLD STP, Hodal, Palwal by PHED in May dt. 2013	Hodal	9	Installed	Connected with HSPCB	Online
41	9 MLD STP, Palwal by PHED in June dt. 2007	Palwal	9	Installed	Connected with HSPCB	Online
42	7 MLD STP Ladwa Kurukshetra by PHED in 31.10.2016	Indri Road, Ladwa	7	Installed	Connected with HSPCB	Delay
River Ghaggar						
1	3.25 MLD STP Naya Gaon, Unit-I, Ambala City by PHED in January, 2011	Naya Gaon, Unit-I, Ambala City	3.25	Installed	Connected with HSPCB	Online
2	3.25 MLD STP Naya Gaon, Unit-II Ambala City by PHED in 1.4.2016	Naya gaon, Unit-II, Ambala City	3.25	Installed	Connected with HSPCB	Online
3	5 MLD Baldev Nagar, Unit-I, Ambala City by PHED 1.12.2012	Baldev Nagar, Unit-I, Ambala City	5	Installed	Connected with HSPCB	Online
4	3.25 Baldev Nagar, Unit-II, Ambala City by PHED in 1.4.2016	Baldev Nagar, Unit-II, Ambala City	3.25	Installed	Connected with HSPCB	Online
5	5 MLD Moti Nagar, Unit-I, Ambala City by PHED in June 2010	Moti Nagar, Unit-I, Ambala City	5	Installed	Connected with HSPCB	Online
6	5 MLD STP Moti Nagar, Unit-II, Ambala City by PHED Ambala in 1.8.2016	Moti Nagar, Unit-II, Ambala City	5	Installed	Connected with HSPCB	Online
7	6 MLD STP Modal Town dt. Ambala City by PHED in 1.7.2012	Modal Town, Ambala City	6	Installed	Connected with HSPCB	Offline
8	3.25 Nasirpur Ambala City by PHED in 31.9.2016	Nasirpur, Ambala City	3.25	Installed	Connected with	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
					HSPCB	
9	0.25 MLD Sadopur , Ambala PHED in 31.12.2016	Sadopur	0.25	Installed	Connected with HSPCB	Online
10	3.25 MLD Devi Nagar , Ambala City by PHED on 31.5.2013	Devi Nagar, Ambala City	3.25	Installed	Connected with HSPCB	Offline
11	3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014	Naraingarh	3	Installed	Connected with HSPCB	Online
12	8 MLD STP Model Town , Pehowa Kurukshetra by PHED in May dt. 2015	Modal Town, Pehowa	8	Installed	Connected with HSPCB	Online
13	11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May dt. 2016	Ladwa Road, Shahbad	11.5	Installed	Connected with HSPCB	Offline
14	25 MLD STP Thanesar PHED Narkatari Kurukshetra	Thanesar	25	Installed	Connected with HSPCB	Offline
15	4.5 MLD Kalka Panchkula by PHED in 30.3.2015	Kalka	4.5	Installed	Connected with HSPCB	Online
16	0.25 MLD Kalka Panchkula by PHED in 28.5. 2017	Kalka	0.25	Installed	connected with HSPCB	Online
17	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	Nalagarh Road, Pinjore	5	Installed	Connected with HSPCB	Online
18	15 MLD STP by PHED Jind in Jan, 2009	Hansi Road, Jind	15	Installed	Connected with HSPCB	Offline
19	5 MLD STP Jind by PHED in 1.4.2016	Narwana Road, Jind	5	Installed	Connected with HSPCB	Online
20	7.5 MLD Kaithal by HUDA in 31.8.2016	Jind	7	installed	connected with HSPCB	Online
21	3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011	Patiala Road, Narwana	3.5	Installed	Connected with HSPCB	Online
22	3.75 MLD STP Narwana Jind by PHED in Jan , 2011	dharodi Road Narwana	3.75	Installed	Connected with HSPCB	Offline
23	2 MLD STP dt. PHED , Dablain Road, Narwana, Jind (24.5.2017)	Narwana	2	Installed	Connected with HSPCB	Online
24	2 MLD STP Uchana Jind by PHED in 22.2.2012	Near Railway, Uchana	2	Installed	Not Connected with HSPCB	Online
25	1.5 MLD Uchana by PHED	Bhangra	1.5	Installed	Connected	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
	in 31.5.2013	Road, Uchana			with HSPCB	
26	9 MLD STP Safidon , Jind by PHED in 31.05.2018	Safidon	9	Installed	Connected with HSPCB	Online
27	10 MLD STP Cheeka , Kaithal by PHED in 1.4.2013	Cheeka	10	Installed	Connected with HSPCB	Offline
28	10 MLD STP , Jind Road Kaithal by PHED in September , 2012	Jind Road, Kaithal	10	Installed	Connected with HSPCB	Online
29	10 MLD STP Manas Road, Kaithal by PHED in June , 2006	Manas Road, Kaithal	10	Installed	Connected with HSPCB	Offline
30	10 MLD Manas Road, Kaithal bby PHED in Sep , 2012	Manas Road, Kaithal	10	Installed	Connected with HSPCB	Offline
31	5 MLD STP Jind by PHED in 1.4.2016	Kalayath	5	Installed	Connected with HSPCB	Offline
32	3.5 Pundri Kaithal by PHED in 4.7.2014	Pundri	3.5	Installed	Connected with HSPCB	Offline
33	15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014	Azad Nagar, Rajgarh Road Hisar	15	Installed	Connected with HSPCB	Delay
34	40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017	Rishi Nagar, Hisar	40	Installed	Connected with HSPCB	Online
35	4 MLD STP Kaimri Road, Hisar by PHED in 2018	Kaimri road, Hisar	4	Installed	Connected with HSPCB	Online
36	4 MLD STP Narnaund, Hisar by PHED	Narnaund	4	Installed	Connected with HSPCB	Offline
37	16.5 MLD STP Dabwali, Sirsa by PHED in 30.6.2017	Chautala Road, Dabwali	16.5	Installed	Connected with HSPCB	Online
38	15 MLD STP dt. Shamsabad patti , Kalaria Road, Sirsa by PHED in 1.7.2012	Shamsabad patti, Kalaria Road, Sirsa	15	Installed	Connected with HSPCB	Offline
39	20 MLD STP at kelnia sirsa by PHED	Kelnia	20	installed	Connected with HSPCB	Online
40	5 MLD STP ,Vill. Nattar 1 , Sirsa by PHED in 1.5.2013	Vill. Nattar 1, Sirsa	5	Installed	Connected with HSPCB	Offline
41	5 MLD STP , Vill. Nattar 2 , Sirsa by PHED in 14.09.17	Vill. Nattar 2, Sirsa	5	Installed	Connected with HSPCB	Online
42	9.5 MLD STP, Daddu	Daddu Road,	9.5	Installed	Connected	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
	Road, Kalanwali, Sirsa by PHED in 17.02.2018	Kalanwali			with HSPCB	
43	7.5 MLD STP Lalpura- Jind Road, Hansi, Hisar by PHED in 15.4.2014	Ellenabad	7.5	Installed	Connected with HSPCB	Offline
44	6 MLD STP Rania Sirsa by PHED in 30.6.2017	Jevan Nagar, Rania	6	Installed	Connected with HSPCB	Offline
45	10 MLD STP Vill. Bhodia Khara dt. Bhattu Road dt. Fatehabad by PHED in 1.4.2013	Vill. Bhodia Khara, Bhattu Road, Fatehabad	10	Installed	Connected with HSPCB	Offline
46	10 MLD STP Vill. Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013	Vill. Amani, Tohana, Distt. Fatehabad	10	Installed	Connected with HSPCB	Offline
47	6.5 MLD STP Ratia, Fatehabad by PHED in 1.9.2014	Lali Road, Ratia	6.5	Installed	Connected with HSPCB	Offline
48	5 MLD STP Kharati Khara Road, Fatehabad by PHED in 31.10.2018	Fatehabad	5	Installed	Connected with HSPCB	Online
49	3.0 MLD, jakhal mandi, fatehabad	Jakhal Mandi	3	installed	Connected with HSPCB	Online
Other Catchment						
1	6 MLD STP Sohna Gurgaon (North) by PHED in 1.3.2014	Sohna	6	Installed	Connected with HSPCB	Online
2	4.5 MLD STP Pataudi Gurgaon (South) by PHED in 30.6.2017	Pataudi	4.5	Installed	Connected with HSPCB	Online
3	03 MLD Sewrage Treatment Plant, Aagar Road, Near Municipal Committee Office, Farrukhnagar, Gurugram (South) by PHED	Farrukhnagar	3	Installed	Connected with HSPCB	Delay
4	5.5 MLD STP Haily Mandi Gurugram South)	Gurgaon	5.5	Installed	Connected with HSPCB	Online
5	4 MLD STP Julana, Jind by PHED in 1.4.2016	Julana	4	Installed	Connected with HSPCB	Offline
6	10 MLD STP Dhana Road, Bhiwani by PHED in 24.3.2014	Dhana Road, Bhiwani	10	Installed	Connected with HSPCB	Offline
7	10 MLD STP Dhana Road, Bhiwani by PHED in 16.6.2013	Bhiwani	10	Installed	Connected with HSPCB	Online
8	15 MLD Phase-I, Bhiwani by PHED in 1.10.2013	Bhiwani	15	Installed	Connected with HSPCB	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
9	15 MLD Phase-II, Bhiwani by PHED in 1.6.2014	Bhiwani	15	Installed	Connected with HSPCB	Online
10	5 MLD STP Jhajjar/ Delhi Road, Charkhi Dadri Bhiwani by PHED in 1.8.2014	Charkhi Dadri	5	Installed	Connected with HSPCB	Offline
11	5 MLD STP Chiriya Road dt. Charkhi Dadri dt. Bhiwani by PHED 20.7.2013	Charkhi Dadri	5	Installed	Connected with HSPCB	Offline
12	4.5 MLD STP Bawani Khara by PHED in 31.12.2015	Bawani Khara	4.5	Installed	Connected with HSPCB	Online
13	3.5 MLD STP Loharu Bhiwani by PHED in 30.11.2015	Loharu	3.5	Installed	Connected with HSPCB	Online
14	3 MLD STP Tosham dt. Bhiwani by PHED on 01.07.2014	Tosham	3	Installed	Connected with HSPCB	Online
15	4 MLD STP Siwani Bhiwani by PHED in 9.9.2014	Siwani	4	Installed	Connected with HSPCB	Online
16	6.5 MLD STP, Dulana Road, Mohindergarh by PHED in 1.9.2014	Mohindergarh	6.5	Installed	Connected with HSPCB	Online
17	2 MLD STP ,Ateli Mandi, Mohindergarh by PHED in 30.6.2016	Ateli Mandi	2	Installed	Connected with HSPCB	Online
18	3 MLD STP Kanina dt. Mohindergarh by PHED in 30.4.2016	Kanina	3	Installed	Connected with HSPCB	Online
19	7.5 MLD Rewari Road, Narnaul, Mohindergarh by PHED in 29.4.2015	Rewari Road, Narnaul	7.5	Installed	Connected with HSPCB	Online
20	3 MLD STP Bawal , Rewari by PHED in 31.3.2014	Bawal	3	Installed	Connected with HSPCB	Online
21	6.5 MLD STP Rewari by PHED on 1.10.2014	Rewari	6.5	Not installed	Not connected with HSPCB	Delay
22	8 MLD STP Rewari by PHED 14.12.2007	Rewari	8	Installed	Connected with HSPCB	Online
23	16 MLD STP Rewari by PHED in Sep. 2014	Rewari	16	installed	connected with HSPCB	Online
24	9.5 MLD Kharkhara, Dharuhera , Rewari by PHED in 30.6.2017	Dharuhera	9.5	Installed	Connected with HSPCB	Offline
25	3 MLD STP, Kosli , Rewari	Kosli	3	Installed	Connected	Online

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/ Offline
	by PHED in 31.4.2016				with HSPCB	
26	4 MLD STP barara PHED in 30-11-2019	Barara	4	Installed	Connected with HSPCB	Offline
27		Assandh	5	Installed	Connected with HSPCB	Online
28	6.5 MLD,Hansi,hisar	Hansi	6.5	Installed	connected with HSPCB	Offline
29	6 MLD STP Dhani Gram ,Barwala, Hisar by PHED in 9.12.2014	Dhani Gram, Barwala	6	Installed	Connected with HSPCB	Online
30	6.5 MLD STP Uklana, Hisar by PHED in 1.9.2017	Uklana	6.5	Installed	Connected with HSPCB	Offline
31	5 MLD STP Dhani Kushal , Bhiwani Road, Hansi , Hisar by PHED in 15.4.2014	Dhani Kushal, Bhiwani Road, Hansi	5	Installed	Connected with HSPCB	Offline
32	7.5 MLD STP Lalpura- Jind Road, Hansi , Hisar by PHED in 15.4.2014	Lalpura- Jind Road, Hansi	7.5	Installed	Connected with HSPCB	Online

15. STPs not meeting the prescribed parameters as per designed limits.

New standards for STPs have been fixed by Board and the BOD is prescribed as 10 mg/l. the STPs already designed to achieve BOD upto 10 mg/l have to achieve these standards from the date of orders i.e. 02.07.2020. Other STPs have to achieve the new standards by 02.07.2021.

But, 11 STPs of PHED which are already designed for 10 BOD in the past, are observed to be not meeting this parameters. This is a serious issue and Department need to address this immediately.

List of STPs designed for BOD of 10 mg/l but Non complying

River Ghaggar

Sr. No.	Name of STPs	Report No. & date	BOD mg/l (30)	COD mg/l (250)	PH (5.5 to 9.0)	TSS mg/l (100)	Fecal Coliform 100 MPN/100ml	Compliance Status as per designed criteria
1	5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015	4548 dt. 16.12.2020	16	88	7.67	35	348000	Non-Complying

2	5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014	1010-1011 dt. 02.12.2020	13	64	8	16	4200	Non-complying
3	7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015	1327-1328 dt. 21.12.2020	24	108	7.1	59	12000	Non complying
4	10 MLD STP Vill. Bhodia Khera, Bhattu Road , Fatehabad by PHED in 1.4.2013	1387-1388 dt. 28.12.2020	22	124	7.2	56	42000	Non complying
5	6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014	1349-1350 dt. 23.12.2020	23	116	7.1	50	36000	Non complying
6	10 MLD STP Cheeka , Kaithal by PHED in 1.4.2013	1006-1007 dt. 01.12.2020	11	80	8.1	12	3600	Non-Complying

River Yamuna

Sr. No.	Name of STPs	Report No. & date	BOD mg/l (30)	COD mg/l (250)	PH (5.5 to 9.0)	TSS mg/l (100)	Oil & Grease mg/l (10)	Fecal Coliform MPN/100ml	Compliance Status as per designed criteria
1	10 MLD STP Jattal Road, Panipat by PHED in March, 2000	4252 dt. 12.11.2020	24	128	7.35	31	BDL	3200	Non-Complying
2	25 MLD STP Sewah, Panipat by PHED in April, 2016	4254 dt. 12.11.2020	20	88	7.64	12	BDL	2500	Non Complying
3	20 MLD STP Jattal Road, Panipat by PHED in April, 2016	4253 dt. 12.11.2020	25	144	7.53	29	BDL	3900	Non Complying
4	18 MLD STP, Linepar, Bahadurgarh by PHED, October, 2012	1395-1396 dt. 28.12.2020	26	152	7.1	69		18000	Non-Complying
5	9 MLD STP, Hodal, Palwal by PHED in May, 2013	418 dt. 21.12.2020	27	136	7.6	69		61000	Non-Complying

Urban Local Bodies Department

1. Under construction STPs

River Ghaggar

Sr. No.	Name of the Town/city	Department.	Capacity (in MLD)	Timelines	Progress upto Dec, 2020	Remarks
In progress						
1	12 Cross Road, Ambala	ULBD	12	30.06.2021	24%	Initially there was a land dispute on proposed site so the site was changed. Due to which the work was delayed. Now the work is in full swing.
2	Khagesara & Toka	ULBD	0.5	30.03.2021	95%	
3	Nangal & Allipur	ULBD	0.5	30.12.2020	100%	
4	Khatoli	ULBD	0.75	31.03.2021	95%	
5	Kot	ULBD	0.75	31.12.2020	100%	
6	Sukhdarshana pur	ULBD	0.75	31.03.2021	90%	
7	Billa	ULBD	0.75	30.06.2021	72%	
8	Village Dabra	ULBD	8	31.01.2021	95%	
9	Khuda Khurd, Ambala	ULBD	12	30.06.2021	27%	Initially there was a land dispute on proposed site so the site was changed. Due to which the work was delayed. Now the work is in full swing.
10	Babyal	ULBD	10	30.06.2021	52%	The work of these STPs has been recently allotted and the work is in progress
11	Shahpur Machhonda	ULBD	7.5	31.06.2021	11%	
12	Saketri-STP	ULBD	1.5	30.06.2021	2%	
	Total		55			

River Yamuna

- Target of Peer Bodhi, Rohtak i.e. 30.09.2022 to be shortened
- The timelines for STPs at Mirzapur and Partagarh, Faridabad (30.11.2022) needs to be shortened.

Sr. No.	Name of town/city	Capacity (MLD)	Timelines	Revised timelines	Progress upto Dec, 2020	Remarks
In Progress						
1	Shiv Colony, Karnal	8	31.12.2020	30.06.2021	67%	
2	Phooshgarh, Karnal	20	31.12.2020	30.06.2021	69%	
3	Garhi Bohar, Rohak	12	15.03.2021	30.06.2021	44%	

Sr. No.	Name of town/city	Capacity (MLD)	Timelines	Revised timelines	Progress upto Dec, 2020	Remarks
4	Singhpura, Rohtak	10	31.12.2020	31.03.2021	95%	
5	Peer Bodhi, Rohak	15	31.03.2022	30.09.2022	Work started	HSVP shall construct the STP as desposit work of ULBD. Work Alloted
6	Sarai Alawardi	1	31.08.2020	31.12.2020	98%	
7	Gadoli Kalan	1	31.08.2020	28.02.2021	97%	
8	Baliawas (against Gwalpahadi)	1	31.07.2020	28.02.2021	95%	
9	Mohmadpur Jharsa	2	31.12.2020	31.03.2021	90%	
10	Darbaripur	1	31.10.2020	28.02.2021	95%	
11	Bandwari(Shifted from Sihi/Khedki Daula)	1	31.03.2021	30.06.2021	35%	
12	Faridabad, sector-21	10	31.07.2021	31.12.2021	7%	
13	Kithwari	10	31.12.2020	31.07.2021	41%	
14	Jodhpur Road, Palwal	15	31.12.2020	31.07.2021	47%	
15	Ferozpur, Palwal	2.5	31.12.2020	31.07.2021	47%	
16	Murthal Sonapat	3	30.06.2021	30.06.2021	17%	Work Allotted and design
17	Mirjapur, Faridabad	80	02.11.2022	30.09.2022	6%	The administrative approval of DPR for 133.9 Cr was approved by Govt. vide govt. letter No. XEN-1/DGULB/2020/1372 dated 14.05.2020 for nos. 28 newly approved colony. The DNIT is under approval from SLTC and then that the work will be started after inviting tenders.
18	Partapgarh, Faridabad	100	02.11.2022	30.09.2022	9%	The administrative approval of DPR for 133.9 Cr was approved by Govt. vide govt. letter No. XEN-1/DGULB/2020/1372 dated 14.05.2020 for nos. 28 newly approved colony. The DNIT is under approval from SLTC and then that the work will be started after inviting tenders.
Total		292.5				

2. Under proposal STPs

River Yamuna

Sr. No.	Name of the district	Name of the town/city	Capacity (MLD)	Deptt.	Latest status upto Dec, 2020	Remarks

Sr. No.	Name of the district	Name of the town/city	Capacity (MLD)	Deptt.	Latest status upto Dec, 2020	Remarks
1	Panipat	Dev Colony, Panipat	15	ULBD	The tender for the work was uploaded on etenders.hry.nic.in and the last date of bid submission is 08-01-2021. But no bid received so the tender is recalled and the last date of bid submission is 08.02.2021.	The administrative approval of DPR for 133.9 Cr was approved by Govt. vide govt. letter No. XEN-1/DGULB/2020/1372 dated 14.05.2020 for nos. 28 newly approved colony. The DNIT is under approval from SLTC and then that the work will be started after inviting tenders.
2	Panipat	Barsat Road, Panipat	25	ULBD		The administrative approval of DPR for 133.9 Cr was approved by Govt. vide govt. letter No. XEN-1/DGULB/2020/1372 dated 14.05.2020 for nos. 28 newly approved colony. The DNIT is under approval from SLTC and then that the work will be started after inviting tenders.

3. Laying of sewer line

River Ghaggar

Work will be delayed at Ambala Sadar. Needs to be expedited.

Sr. No.	Name of town	Deptt.	Timelines	Length to be laid (in meters)	Progress upto Dec, 2020	% age of work done	Remarks
1	Ambala City	ULBD	31.03.2021	27825	24400	87.69%	In progress
	Ambala Sadar	ULBD	30.06.2021	256000	182800	71.40%	In progress
2	Kaithal	ULBD	31.03.2021	50166	47986	95.65%	In progress
3	Hisar	ULBD	31.03.2021	55178	45120	81.7%	In progress

River Yamuna

Work will be delayed at Jagadhari, Palwal, Sonapat, Panipat, Rohtak, Faridabad and Bahadurgarh.

Sr. No.	Name of town	Timelines	Revised timelines	Length to be laid (in meter)	Progress upto Dec, 2020	%age of work done	Remarks
1	Yamuna Nagar /Jagadhri	30.11.2020	30.06.2021	109320	71600	63.94%	In progress
2	Palwal	31.12.2020	30.06.2021	148700	91000	61.19%	In progress
3	Sonapat	31.12.2020	30.06.2021	63500	46500	73.22%	In progress
4	Panipat	31.07.2021	31.12.2021	211548	120000	56.72%	In progress
5	Rohtak	30.09.2020	30.06.2021	174690	97280	55.68%	In progress
6	Faridabad	31.12.2020	30.06.2021	450000	350000	77.77%	In progress
7	Karnal	31.12.2020	31.03.2021	152000	138000	89.47%	In progress
8	Bahadurgarh	31.07.2020	30.06.2021	72000	34000	47.22%	In progress

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

River Ghaggar

Sr. No.	Name of city MC	No. of location	Quantum of effluent to be diverted MLD	Work Completed		Work in progress		Work not started	
				No. of location	Quantum (MLD)	No. of location	Quantum (MLD)	No. of location	Quantum (MLD)
1	Pehowa	3	0.007	3	0.007	0	0	0	0
2	Cheeka	2	0.6	2	0.6	0	0	0	0
3	Kaithal	2	3.45	1	1	1	2.45	0	0
4	Panchkula	10	6.42	5	2.42	4	3.5	1	0.5
5	Kalayal	4	1.12	4	1.12	0	0	0	0
6	Thanesar	5	10	5	10	0	0	0	0
	Total	26	21.597	20	15.147	5	5.95	1	0.5

The list is enclosed is as under:-

Sr. No.	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
1	Pehowa	On both sides of puliya on Ambala Kaithal Road	ULBD	0.003	-	Completed	
2		Dera Fateh Singh Road(Both Sides)	ULBD	0.002	-	Completed	
3		Near Govt. School, Gandhi Nagar	ULBD	0.002	-	Completed	
		Total		0.007			
4	Cheeka	Cheeka to Drain	ULBD	0.2	-	Completed	
5		Ghula to Drain near Nandgarh	ULBD	0.4	-	Completed	
		Total		0.6			
6	Kaithal	Manas Road Kaithal Drain	ULBD	2.45	Mar,21	In progress	There was no nearby sewer line in this colony. A sewer line in the colony adjacent to this colony was being laid under AMRUT Scheme and now the diversion of waste water of this colony to that sewer line is started after completion of the

Sr. No	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
							sewer line in the adjacent colony. This was the main reason of the delay in this work.
7		Cheeka Road Kaithal Drain	ULBD	1	-	Completed	
		Total		3.45			
8		Near Railway station opp. Railway bridge Kalka	ULBD	0.48	-	completed	
9		Back side MC office near Ren Basera Kalka	ULBD	0.19	June, 21	Completed	
10		STP of Billa	ULBD	0.75	June, 21	In progress	Work of setting up STP in village Billa is under progress under AMRUT Scheme. Approx 72% work is complete at site and the untreated discharge shall be connected to STP by June, 2021.
11		STP of Kot	ULBD	0.75	-	Completed	
12	Panchkula	STP of Khatauli	ULBD	0.75	Mar-21	In progress	Work of setting up STP in village Khatauli is under progress under AMRUT Scheme. Approx 95% work is complete at site and the untreated discharge shall be connected to STP by March, 2021.
13		STP of Sukhdarshanpur	ULBD	1.5	Mar-21	In progress	Work of setting up STP in village Sukhdarshanpur is under progress under AMRUT Scheme. Approx 90% work is complete at site and the untreated discharge shall be connected to STP

Sr. No	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
							by March, 2021.
14		STP of Saketri	ULBD	0.5	June, 21	In progress	Work of setting up STP in village Saketri is under progress under AMRUT Scheme. Approx 2% work is complete at site and the untreated discharge shall be connected to STP by June, 2021.
15		STP of Nagal (Ward 20)	ULBD	0.5	-	Completed	
16		STP of Toka	ULBD	0.5	-	Completed	Completed
17		Drain of Tipra	ULBD	0.5		Not started	The Drain / Nallah relates to Municipal Corporation
		Total		6.42			
18	Kalayat	Railway road	ULBD	0.12	-	Completed	
19		Kapil muni road	ULBD	0.3	-	Completed	
20		Near Kheda wno. 07, 6 main drain	ULBD	0.5	-	Completed	
21		Near Saini Chopal wno. 02	ULBD	0.2	-	Completed	
		Total		1.12			
22	Thanesar	DD colony	ULBD	0.5	-	Completed	
23		Mohan Nagar	ULBD	1.2	-	Completed	
24		Dhakka basti, Gandhi Nagar, Kirti Nagar	ULBD	1.05	-	Completed	
25		Jhansa road	ULBD	2.5	-	Completed	
26		Narkatari road	ULBD	4.75	-	Completed	
		Total		10			

River Yamuna-

The revised timelines for extension to be submitted to NGT alongwith justification and monthly action plan not provided in prescribed formats. Further, revised timelines for 1 location in Hodal.

The status as per abstract provided is as under:-

99 MLD of effluent was proposed to be tapped/ diverted at 155 locations. Out of which 41.12 MLD effluents has been diverted at 73 locations.

Sr. No	Name of city MC	No. of location	Quantum of effluent to be diverted MLD	Work Completed		Work in progress		Work not started
				No. of location	Quantum (MLD)	No. of location	Quantum (MLD)	No. of location
1	Yamuna Nagar	12	17.809	2	4.5	10	13.30	0
2	Rohtak	2	8	0	0	2	8	0
3	Sonepat	9	21.48	2	3.66	4	21.75	3
4	Gohana	3	1.45	3	1.45	0	0	0
5	Panipat	58	19.45	30	5.95	16	0	12
6	Bahadurgarh	17	6.35	9	3.42	8	2.93	0
7	Palwal	29	2.49	5	0.47	24	2.02	0
8	Ganaur	2	0	0	0	0	0	2
9	Radaur	1	0.3	1	0.3	0	0	0
10	Gharaunda	5	0.97	5	0.97	0	0	0
11	Kharkhoda	1	12.25	1	12.25	0	0	0
12	Jhajjar	6	3.55	6	3.55	0	0	0
13	Hodal	4	2.3	3	2	1	0.3	0
14	Nilokheri	2	1.3	2	1.3	0	0	0
15	Sampla	4	1.3	4	1.3	0	0	0
	Total	155	98.999	73	41.12	65	44.278	17

The list is enclosed is as under:-

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
1	Yamunanagar	Shanti Colony	1.503	In progress	Mar-21	NOC has been issued by Irrigation department and work is in progress.
2		Yamuna Gali	1	Completed	-	Work completed.
3		Oil Hamida, Near Sahanpur village	2.025	In progress	Mar-21	Work of construction of 3 MLD IPS started and will be completed by 31.03.2021.
4		Buria and Dyalgarh	2.5	40%	Mar-21	The work of laying of sewer line for tapping of drain has been completed and construction of 3.6 MLD IPS is in progress and will be completed by 31.03.2021.

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
5		Main Nallah coming from Jagadhri YNR	0.5	Not started	Mar-21	There are many hurdles. unauthorized industry waste sewage connection in this nallah. Partially survey is conducted. As an interim measure, the work of Bio-remediation has been allotted and is likely to be started after monsoon.
6		Near Yamuna Bridge Buria village (Parwaloo STP)	1	75%	Mar-21	The tapping work is in progress and approximate 75% work completed. The work will be completed by 31.03.2021. As an interim measure, the work of Bio-remediation has been allotted and is likely to be started after monsoon.
7		Darwa village Dairy Complex	0	Not started	Mar-21	Sanction for hiring of consultant for preparation for DNIT/tender document for Bio-Gas plant has been accorded DNIT is under preparation and will be submitted by the consultant within a week.
8		Nallah coming from railway workshop to Jorian Gurudwara Radaur road Nallah falling into Ditch Drain	1.25	In progress	Mar-21	Work has already been allotted to the agency on 01.08.2019. The work could not started due to blockage of existing sewer and Public Health Department has been requested to clear the blockage of the sewer. After cleaning of sewer line the work will be started by MC-YNR JGD. Now work started and will be completed by 31.03.2021. As an interim measure, the work of Bio-remediation has been allotted and is likely to be started after monsoon.
9		Jindal Park	1.503	Completed	Mar-21	Work Completed
10		Azad Nagar	1.503	In progress	Mar-21	Work started and will be completed by 31.03.2021
11		Near Hamida village	2.025	In progress	Mar-21	
12	YNR	Mamidi Village storm	3	Completed	Mar-21	Work completed

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		water to be connected ditch drain				
		Total	17.809			
13	Rohtak	Peer Mohodi Mohalla	6	In progress	Jun-21	Diversion of sewage of unapproved colonies is already covered in septage management and policy is adopted by Municipal Corporation, Rohtak.
14		SherVihar Mohalla	2	In progress	Jun-21	
		Total	8			
15	Sonepat	STP Rathdana to bandepur Briodge	1.83	Completed	-	Work Completed
16		Bandepur Bridge to ITI/Rohtak Bye-pass road	1.83	Completed	Dec-20	Work completed
17		ITI/Rohtak Bye-pass road to Kabirpur	2.44	70%	April-21	Approximate 287.5 mtr line has been laid out of total 410mtr. The sewer line is being laid through trenchless technology. The work will be completed by 30.04.2021.
18		Kabirpur to Sikka Colony Bridge	4.64	85%	Apr-21	Total 900 mtr line is to be laid. Out of which 770 mtrline has been laid. Out of total 900 mtr, 300 mtrline is to be laid by trenchless method. Work is in progress and will be completed by April 2021.
19		Sikka Colony Bridge to Delhi Road Bridge	2.2	Not started	May-21	There are encroachments and no working space along the drain No. 6 and there is a proposal for laying of sewer line through trenchless technology.
20		Delhi Road Bridge to BawaTarana Bridge	1.22	Not started	May-21	
21		BawaTarana Bridge to Aadarsh	1.59	Not started	Jun-21	

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		Nagar Bridge				
22		Aadarsh Nagar Bridge to Murthal Road Bridge	3.17	56%	Apr-21	The progress of work is slow due to narrow working space and encroachments on drain no. 06.
23		Murthal Road to Rishi Colony Bridge/Disposal	2.56	11.5%	Jun-21	The progress of work is slow due to narrow working space and encroachments on drain no. 06.
		Total	21.48			
24	Gohana	Near ChanderS hekar Azad park	0.25	Completed		Work Completed
		Total	0.25			
25	Panipat	Ambala-Delhi Rly line, Geeta Colony	0.2	Not started	Jun-21	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.
26		AbrahimL odhi	0.12	Completed		Work Completed
27		Arti Hospital	0.1	Completed		Work Completed
28		Devi Mandir	0.1	Completed		Work Completed
29		Desraj Colony, Sh.RamC howk	0.065	Completed		Work Completed
30		Rajiv Colony	0.14	Completed		Work Completed
31		Rajiv Colony	0.05	Completed		Work Completed
32		Noorwala	0.05	Completed		Work Completed
33		Kutani Road	0.11	Not started	Nov. 22	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks	
						fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.	
34		Saini Colony	0.12	Completed		Work Completed	
35		Choturam Chowk	0.15	Completed		Work Completed	
36		Choturam Chowk	0.1	Completed		Work Completed	
37		11 Ward	0.14	Completed		Work Completed	
38		Sanoli Road	0.245	Completed		Work Completed	
39		Saini colony, w-24, near saini medicos-I	2.45	Not started	Nov. 22	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.	
40		Saini colony, w-24 near saini medicos-II	0.61	Not started	Nov. 22		
41		Saini colony, w-24, corner of manohar park	0.24	Not started	Nov. 22		
42		Saini colony, w-24, under Railway Line-I	0.24	Not started	Nov. 22		
43		Saini colony, w-24, under Railway Line-II	0.24	Not started	Nov. 22		
44		Dutta Colony	0.61	In progress	Jun-21		Work is in progress and will be completed by 30.06.2021.
45		Dutta Colony	0.61	In progress	Jun-21		
46		Shondhapur	2.45	In progress	Jun-21		
47		Shondhap	0.24	In progress	Jun-21		

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks	
		ur					
48		Shondhapur	0.24	In progress	Jun-21		
49		Shondhapur	0.24	In progress	Jun-21		
50		Shondhapur	0.24	In progress	Jun-21		
51		Shondhapur	2.45	Not started	Nov. 22	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.	
52		Shondhapur	0.61	Not started	Nov. 22		
53		Laxmi Colony	0	Not started	Nov. 22		
54		Arjun Nagar	0	Not started	Nov. 22		
55		Kalu peer colony	0	Not started	Nov. 22		
56		Gangaram Colony	0	Not started	Nov. 22		
57		HariBagh Colony	0	Not started	Nov. 22		
58		Saini Colony	0	Completed			Work Completed
59		Saini Colony	0	Completed			Work Completed
60		Indira Colony and Old Inds Area	0	Not started	Nov. 22		
61		Geeta Colony	0.49	Not started	Nov. 22	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.	
62		Tehsil Area Bus Stand	0.24	Completed		Work Completed	
63		Tehsil Area Salargang	0.29	Completed		Work Completed	
64		Arti Hospital area	0.24	Completed		Work Completed	
65		Devi madir	0.24	Completed		Work Completed	
66		Desraj Colony	0.36	Completed		Work Completed	

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
67		Desraj Colony JaganNath	0.31	Completed		Work Completed
68		Rajiv Colony	0.34	Completed		Work Completed
69		Rajiv Colony	0.36	Completed		Work Completed
70		Rajiv Colony	0.24	Completed		Work Completed
71		Nurwala	0.24	Completed		Work Completed
72		Kutani Road	0.49	Not started	Nov. 22	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.
73		Kutani Road	0.26	Not started	Nov. 22	
74		Saini Colony	0.29	Completed		Work Completed
75		Choturam Chowk	0.36	Completed		Work Completed
76		Choturam Chowk	0.24	Completed		Work Completed
77		Choturam Chowk	0.24	Completed		Work Completed
78		11 ward	0.34	Completed		Work Completed
79		Sanoli Road	0.24	Completed		Work Completed
80		Indira Colony and Old Inds. Area	0	Not started	Nov. 22	The colony was unapproved earlier now it has been approved by the government so instead of tapping of Nallas fresh DPR of amount 97.00 crore for laying of sewer line & construction of STP has been approved and tender has been floated on 07.12.2020 & last date for bid submission is 06.01.2021.
81		KabriFatak, Crossing w-24-I & II	0.24	Not started	Nov. 22	
82		Shondhapur	0.24	Not started	June, 21	In progress
		Total	19.45			
83	Bahadurgarh	Nala along Kabir	0.8	Completed	Mar-21	Completed

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		Basti				
84		Nala from Nehru Park Colony	0.5	In progress	Mar-21	Work is in progress
85		Nala from R/Road both side	0.3	Completed		Completed
86		Both side of Nala from NehraNahri road	0.4	Completed		Completed
87		Nala from Parnala road	0.25	In progress	Mar-21	Work is in progress
88		Sewage/drain from Chhikara colony	0.3	Completed		Completed
89		Sewage/drain from Durga colony	0.15	Completed		Completed
90		Drain from Indra market	0.3	In progress	Mar-21	Work is in progress
91		Drain from Nai Basti	0.34	Completed	Mar-21	Completed
92		Drain from Aggarwal Colony	0.28	In progress	Mar-21	Work is in progress
93		Drain from Vivekanand Nagar(Both side of Nehra Nehri road)	0.15	In progress	Mar-21	Work is in progress
94		Drain from Dharamvihar colony	0.13	Completed		Completed
95		Drain from Chhotu Ram Nagar	0.45	In progress	Mar-21	Work is in progress
96		Drain from Linepar colony	0.35	In progress	Mar-21	Work is in progress

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
97		Nala/drain s from MIE area	0.65	In progress	Mar-21	Work is in progress
98		New Neta Ji Nagar Gali No. 9	0.6	Completed		Completed
99		In ward No. 9 along railway line near Mungeshpur drain	0.4	Completed		Completed
		Total	6.35			
100	Palwal	In front of 15MLD MC Palwal	0.05	Completed		Completed
101		In front of Dholagarh Convent School in MC Palwal	0.08	90%	Mar'21	Work is in progress
102		Lohagarh near Govt. School MC Palwal	0.08	10%	Mar'21	Work is in progress
103		Opp. Church in MC Palwal	0.08	13%	Mar'21	Work is in progress
104		Parkash Colony MC Palwal	0.11	11%	Mar'21	Work is in progress
105		Parsuram Colony MC Palwal	0.05	13%	Mar'21	Work is in progress
106		Near VandeyMatram School in MC Palwal	0.05	11%	Mar'21	Work is in progress
107		Near Nala in MC Palwal	0.08	12%	Mar'21	Work is in progress
108		Near Dharam Public School on Agwanpur highway in MC Palwal	0.09	80%	Mar'21	Work is in progress

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
109		Bharat Colony on Ashwta Road in MC Palwal	0.13	90%	Mar'21	Work is in progress
110		Lohagarh near Shamshan Ghat in MC Palwal	0.09	71%	Mar'21	Work is in progress
111		Hari Nagar Colony near Lohagarh in MC Palwal	0.04	11%	Mar'21	Work is in progress
112		Hari Nagar Colony near Distributor y in MC Palwal	0.03	9%	Mar'21	Work is in progress
113		Hari Nagar Colony near Golaya School in MC Palwal	0.04	12%	Mar'21	Work is in progress
114		In front Paladium Hotel in MC Palwal	0.06	11%	Mar'21	Work is in progress
115		Near Doaba Factory in MC Palwal	0.03	13%	Mar'21	Work is in progress
116		Agwanpur Nangla W.No.1 in MC Palwal	0.13	10%	Mar'21	Work is in progress
117		Rehrana road Dholagarh in MC Palwal	0.12	90%	Mar'21	Work is in progress
118		Panchwati Colony	0.1	10%	Mar'21	Work is in progress

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		near Shamshan Ghat in MC Palwal				
119		Near TjuwalaM andir or Parsuram Colony Sohna road in MC Palwal	0.1	13%	Mar'21	Work is in progress
120		Poultry Ferm in MC Palwal	0.14	11%	Mar'21	Work is in progress
121		New Bhatia Colony behind Meat Market in MCPalwal	0.13	70%	Mar'21	Work is in progress
122		Near /Opp. BaghelChoupalDholagarh in MC Palwal	0.06	11%	Mar'21	Work is in progress
123		RamgarhKithwari in MC Palwal	0.11	12%	Mar'21	Work is in progress
124		Parkash Colony in MC Palwal	0.07	11%	Mar'21	Work is in progress
125		Near or Opposite Church on Nuh road in MC Palwal	0.14	10%	Mar'21	Work is in progress
126		Near Jodhpur road in MC Palwal	0.09	11%	Mar'21	Work is in progress
127		Bhati Colony near Omaxe City in MC	0.09	90%	Mar'21	Work is in progress

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		Palwal				
128		Amar Colony in MC Palwal	0.12	10%	Mar'21	Work is in progress
		Total	2.49			
129	Ganaur	Drain at Khubru Road	0	Not started	Jun-21	Sewerage line blocked. MC Ganaur will float the Tender Soon.
130		Drain at Panchi Road	0	Not started	Jun-21	
		Total	0			
131	Radaur	Drain from KheraMohalla to STP	0.3	Completed	Completed	
		Total	0.3			
132	Gharaunda	Drain Near Kathuria Hotel (R/D 100/R)	0.28	Completed	-	
133		Drain near Passi colony	0.09	Completed	-	
134		Drain near Parth public School	0.34	Completed	-	
135		Drain Near Anokha colony	0.24	Completed	-	
136		Drain near Rana bagh colony (R/D 2/R)	0.02	Completed	-	
		Total	0.97			
137	Kharkhoda	Kharkhoda drain near partap school, Kharkhoda	12.25	Completed	-	
		Total	12.25			
138	Gohana	Near pumping station	0.6	Completed	-	

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		(P.H) near Gumar Dharmshala				
139		Drain Bridge near Panipat Chungi	0.6	Completed	-	
		Total	1.2			
140	Jhajjar	Sampla road	0.75	Completed	-	
141		Gaji Kamal road	0.5	Completed	-	
142		Babra road	0.4	Completed	-	
143		Bhagat singh chowk (Bhaur Chowk)	0.7	Completed	-	
144		Chikkara Chowk	0.6	Completed	-	
145		Rewari road	0.6	Completed	-	
		Total	3.55			
146	Hodal	Mini secretariat colony part-I	0.5	Completed	-	
147		Mini secretariat colony part-II	0.3	Completed	-	
148		Extension Padwan colony	0.5	Completed	-	
149		Extension of Charan Singh colony part-II	1	Completed	-	
		Total	2.3			
150	Nilokheri	Nilokheri Drain along Railway line	0.25	Completed	-	
151		Rakshi	1.05	Completed	-	

Sr. No	Name of MC	Name of Location/ Points	Quantum of sewerage to be diverted	Progress	Timelines	Remarks
		Distributry				
		Total	1.3			
152	Sampla	Near Gijhi road T-point on old rohtak delhi road	0.3	Completed	-	
153		Near old dattor in front of stadium	0.4	Completed	-	
154		Near bus stand on firni	0.3	Completed	-	
155		near flyover on Kharkhoda road	0.3	Completed	-	
		Total	1.3			

5. Display of online data by the STPs.

The HSPCB is monitoring the data of pollution parameters of the treated effluent from the STPs. But the STPs are not displaying the data always remain offline most of the time. Which is a violation of the statutory directions of the State Pollution Control Board and conditions of the consent to operate granted to the STPs.

Sr. No.	Department	River	Total STP	OMD not installed	Online	Offline	Delay
1	ULB	Yamuna	9	5	0	4	0

Status of Online Monitoring Devices and display of data

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Offline
1	45 MLD STP, Badshahpur Faridabad by ULB in 1.9.2011	Badshahpur, Faridabad	45	installed	Connected with HSPCB	Offline
2	50 MLD STP Partapgarh, Ballabgarh by PHED in 2.5.1999	Partapgarh, Ballabgarh	50	Not installed	Not Connected with HSPCB	Not installed
3	45 MLD Munjheri, Ballabgarh by PHED in 2.5.1999	Munjheri, Ballabgarh	45	Not installed	Not Connected with HSPCB	Not installed
4	40 MLD STP	Near Sector-	40	Not	Not Connected	Not installed

Sr. No.	Industry Name	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Offline
	Karnal by PHED in March dt. 2001	4, Karnal		installed	with HSPCB	
5	10 MLD STP at Gogari Road, Karnal by PHED on 01.03.2018	Gogharipur Road, Karnal	10	Installed	Connected with HSPCB	Offline
6	8 MLD STP Kaithal Road, Karnal by PHED in March dt. 2000	Kaithal Road, Karnal	8	Installed	Not Connected with HSPCB	Not connected with HSPCB and CPCB
7	STP 8 MLD STP Shiv Colony Near WJC, Karnal	RK Puram, Karnal	8	Installed	Connected with HSPCB	Offline
8	30 MLD STP Rathdana Road, Sonapat by PHED in 2003	Rathdana Road, Sonapat	30	Installed	Connected with HSPCB	Offline
9	25 MLD STP Kakrai Road, Sonapat by PHED in March dt. 2018	Kakroi Road, Sonapat	25	Not installed	Not Connected with HSPCB	Not installed
			261			

6. Under proposal CETPs

CETPs of Faridabad and Gurugram to be constructed by MCs concerned as per the decision taken on 11.08.2020 by ACS Finance. MCF started preparation for DPR for CETPs at Partapgarh and Badshahpur, Faridabad. Administrative approval accorded. ULBD intimated that the CETPs in Gurugram have to be constructed by GMDA.

Sr. No.	Name of CETP	Capacity in MLD	Deptt.	Timelines as per action plan	Progress upto Dec, 2020
1	Partapgarh, Faridabad	50	MCF	31.12.2022	Municipal Corporation, Faridabad has started preparation of DPRs for construction of CETP of 50 MLD in Partapgarh & WWTP of 65 MLD in Badshahpur. The administrative approval amounting to Rs. 595.87 Crore has been accorded by the Govt. vide letter memo No. EE-III/DULB/2020/4118 dated 16.10.2020.
2	Badshahpur, Faridabad	15	MCF	31.12.2022	

7. Action plan for achieving standards for faecal Coliform

HSPCB has issued orders for fixing up the new standards for STPs as per directions of NGT vide letter dated 02.07.2020 and all STPs have to comply with the same and the Departments should submit action plan for each STP. Some of STPs are already designed for stringent standards. These should be taken up on priority. Action plan to achieve new standards is required. The timelines to achieve the Faecal Coliform standards are longer whereas the standards are applicable even today.

Yamuna Catchment

Department	Total No. of STPs	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2020	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2021	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2022	Timelines not given	NA
ULBD	9	0	1	0	6	2

8. Survey of sources of pollution.

River Ghaggar

Sr. No.	Department Name	Department Points	Action plan not required/completed	Received Action Plan	Pending Points	Remarks
1	ULB	56	20	11	6	19 points related to other deptt.

River Yamuna

Sr. No.	Department Name	Department Points	Received Action Plan	Action plan not required	Pending Points	Remarks
1	ULBD	58	54	0	2	2 Related to other Department.

9. Names of Responsible Officers.

Board has mandate to initiate civil/criminal proceedings against the violators as per Hon'ble NGT/Supreme Court orders. The board has already initiated proceedings in special environment courts for the STPs at Faridabad and Jind against the officers of Public Health Engineering Department. The action against officers of MCF for violations regarding STPs is pending as the ULBD has not revealed the names of the responsible officers posted on the date of violations at Faridabad inspired of request from the HSPCB to the Director, ULBD, Panchkula. NGT has already directed that the action should also be initiated against those who shield the culprits. Therefore the ULBD need to be directed to comply the directions of the Hon'ble NGT.

10. Reward for good work/ Adverse Entries in ACRs of non performing officials.

The NGT has given specific directions in this regard. The action taken in this regard be apprised. Any adverse entry or reward given for successful accomplishment of any project is informed. The timelines are being extended without fixing the responsibility the action taken in this regard be submitted.

11. Phyto-Bio Remediation of drains.

6 drains were assigned to ULBD for Bioremediation /phytoremediation i.e. drain no. 2 (Panipat), Mungeshpur Drain (Bahadurgarh), Leg-I & Leg-II drain of Gurugram, Budhiya Nallah and Gaunchi Drain of Faridabad. GMDA has initiated for Leg-I & Leg-II drains as mentioned above.

To explore the possibilities of bioremediation/phytoremediation of drains, MC, Faridabad and Sonipat had contacted to the expert Dr. Raman Sharma from NEERI. He had also visited to Faridabad & Sonipat but the detailed survey report along with the suggestions was not received from NEERI.

Thereafter, in view of urgency, it was decided in May 2020 to appoint M/s Wapcos Ltd. for preparation of DPR/DNIT for Bioremediation/Phytoremediation of these drains after checking the feasibility of the same.

But after survey of the drains Wapcos has shown its concern regarding the feasibility and success of the Bioremediation and Phytoremediation for these drains due to high discharge & non availability of sufficient width of drain required to achieve the desired results. Moreover there is large variation of discharge in the drains during monsoons & dry weather.

After having a detailed discussions with representatives of M/s Wapcos in the meeting held on 02.06.2020, M/s Wapcos & concerned MCs are directed to explore the possibilities of bioremediation/phytoremediation of the certain sections of drains in question as a pilot project.

As a pilot project, MC, Yamunanagar has allotted the work of bioremediation of drains and the work is likely to be started soon. The model will also be replicated at other locations, if successful. MC, Yamunanagar has proposed the following drains in which bio remediation is to be started:-

S. No.	Drain Location	Discharge (MLD)
1.	Shanti Colony (Mundamajra)	1.503
2.	Yamuna Gali	1.0
3.	Old Hamida near Saharanpur bridge	2.025
4.	Buria/Dayalgarh	2.5
5.	Main nala coming from Jagadhri falling into ditch drain	22.05
6.	Near Yamuna bridge Buria village	1.0
7.	JoriaGurudwaranala falling into ditch drain	1.25
8.	Jindal Park near IPS	1.503
9.	Azad Nagar	1.5
10.	Old Hamida	2.025
	Total	36.356

MC, Sonapat has also invited the tenders for bioremediation of drains which is likely to be finalized by end of the Dec-2020.

The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation is feasible. The location and physical progress achieved be informed.

12. Household Connections

River Yamuna

Catchment	Deptt.	No. of households	No. of sanctioned connections upto Dec, 2020	Pending household connections
Yamuna	ULBD	811519	484342	327177

PHED intimated that most of the houses have sewer connections, however, the same are being regularized on year to year basis. The houses which are not having sewer connections, have constructed septic tanks/ soakage pits. Further, PHED is charging 25% of water bill as waste water charge and the same are being collected as per cycle of water supply bills.

13. Septage Management and action plan for non point sources/ through tankers.

RYMC observing the possible delay in construction of STPs and sewer network, emphasized that the State should immediately adopt a parallel plan for implementing a solid septage management policy in un-sewered areas, as being followed up in Tamil Nadu, Telengana and Delhi. ULBD informed that a State level policy has already been framed and many ULBD have also adopted at local level, but its implementation and monitoring mechanisms are yet to be firmed up. Chief Secretary advised the ULBD to immediately implement the system through special efforts and further directed that District level drives be initiated by ULBD along with district administration and District Level Task Forces, constituted by NGT, and such tankers, engaged in illegal discharge may be seized by the concerned authorities, following the due process.

Further, MCs have also started challaning of the tankers disposing septage illegally. From the month of June, 2020 to till date, 285 nos. of tankers have been challaned by MC, Gurugram, Yamunanagar, Hisar, Ambala Cantt & Nissing and penalty of Rs. 71,43,000/- has also been recovered from the violators out of which 20 Challans amounting to Rs. 3,22,500/- were issued in month of December.

Total quantum of sewage disposed through tankers for the month of December 2020 is 66.8542 MLD.

14. Prior consent to establish (CTE) for new/ upgraded STPs

As per Water Act/Environment norms, the STPs have to obtain prior consent to establish (CTE) before starting construction of the new STPs or upgradation of STPs. The Govt. has already set up single window for this purpose. The ULBD may submit the status of consent to establish for new STPs and for STPs to be upgraded. It may be ensured that CTE has been obtained for such STPs.

15. Shifting of industries.

Industrial units in non-conforming areas: Y Nagar / Jagadhri, Sonapat, Panipat, Rohtak & Faridabad

Actions taken so far for shifting of units in Y Nagar / Jagadhri- Industry Department may inform the status.

Regarding industrial units in non conforming areas at Sonapat (Kundli), Faridabad & Panipat

Yamuna Nagar/Jagadhari

Industries Department intimated vide their letter dated 10.07.2020 and DO letter dated 28.07.2020 from PS, Industries that it was decided in the meetings held under the Chairmanship of PS, Industries on 13.01.2020 and 16.03.2020 that PHED will provide land to HSIIDC for construction of 1 CETP of about 20 MLD capacity at Jagadhari and another CETP of 10 MLD capacity at Yamuna Nagar. HSIIDC had requested PHED to provide land and survey details of industries, sewerage plan and quantum of total effluent from industries located in above areas. It was also decided that IIT, may engaged to take up the study of sewerage system of Jagadhari and Yamuna Nagar towns to suggest what can be done to treat the mixed discharge i.e. D.E and T.E. Accordingly, HSIIDC had requested IIT, Roorkee to depute a team of experts for the same. IIT Roorkee team has visited the sites at Jagadhari and Yamuna Nagar on 13.07.2020 and has sought some more information relating to PHED and industries, which is being arranged.

Sonapat, Faridabad and Panipat

Regarding industries units in non conforming areas at Sonapat (Kundli), Faridabad and Panipat, matter pertains to ULBD. Progress may be apprised by ULBD.

16. Providing flow meter at inlet, outlet and bypass of the STP and display of online data of the flow meter.

The Executive Committee has directed to provide the flow meter inlet, outlet and bypass of the STP. The STPs should be provided with flow meters as per directions. The online data for the same should be displayed on the website of the HSPCB for monitoring the same.

The Govt. of India has also pressed for ensuring utilization capacity of the STPs and ensures that all the sewerage is treated in STPs. The provision of flow meter shall ensure and help in monitoring the quantum of effluent being treated through a particular STP

Status of flow meters provided by ULBD at inlet, outlet and Bypass of STPs

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
STPs						
1	Faridabad	Badshahpur, Faridabad	45			
2	Faridabad	Partapgarh, Ballabgarh	50	No	No	No
3	Faridabad	Munjheri, Ballabgarh	45	Yes	No	No
4	Karnal	Near Sector-4, Karnal	40	-	-	-
5	Karnal	Gogharipur Road, Karnal	10	Yes	Yes	No
6	Karnal	Kaithal Road, Karnal	8	No	Yes	No
7	Karnal	RK Puram, Karnal	8	No	Yes	No
8	Sonepat	Rathdana Road, Sonepat	30	No	No	No
9	Sonepat	Kakroi Road, Sonepat	25	Yes	No	No

17. Inspection of HYMC.

RYMC has recommended action against the defaulting officers who provided wrong information. The ATR be given for the same. The letters already issued on 27.11.2020 by HSPCB.

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC
1	01.10.2020 45 MLD STP at Badshahpur Faridabad ULBD	<ol style="list-style-type: none"> 1. STP is non functional. 2. All the mechanical and electronic components are either missing or damaged. 3. Out of 4 Aeration Basins only one is partially functional. 4. The Trunk Sewer carrying effluent from the catchment area is non functional and only 5 to 7 MLD Sewage is reaching to the STP. 5. The Untreated Sewage is inundating the adjoining fields

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC
		<p>and being discharged through Budia Nallah and Mawai Drain.</p> <p>6. The Chief Engineer ULB (HQ) and Superintending Engineer MCF submitted the status, of the STP as complying. They are submitting misleading information to HYMC Haryana w.r.t. above mentioned STP at Badshahpur Faridabad vide Memo No. Tech/ NGT/DGULB/2020/3597 dated 30.09.2020 and Memo No. SE-1/MCF/2020/47 dated 30.09.2020. Action may be initiated against the officers for submitting misleading information</p>

HSVP Department

1. Under Construction STPs

River Ghaggar

Sr. No.	Name of the Town/city	Capacity (in MLD)	Timelines	Progress upto Dec, 2020	Remarks
In progress					
1	Ambala	5	31.12.2020	92%	-
2	Sirsa	7.5	31.12.2021	37%	-
Total		12.5			

River Yamuna

Sr. No.	Name of town/city	Capacity (MLD)	Timelines	Progress upto Dec, 2020	Remarks
In Progress					
1	Faridabad	7.5	31.03.2021	87%	-
2	Sonepat (Aterna)	15	31.12.2021	46%	-
3	Rohtak	10	31.12.2021	10%	-
Total		32.5			

2. Under upgradation STPs

River Yamuna

Sr. No.	Name of town/city	Present capacity after upgradation (in MLD)	Proposed capacity after upgradation (in MLD)	Technology of present STP and proposed technology after upgradation	Timelines	Progress upto Dec, 2020	Remarks
1	Sector-25, Rohtak	10	10	UASB/SBR	31.12.2021	15%	Hydraulic Design and drawing approved on dated 06.03.2020. No progress achieved due to non availability of labour in June, July and August, 2020 due to COVID-19
2	Sector-36, Bahad	10	10	EPA/SBR	31.12.2021	10%	Tender for the work for under upgradation of

Sr. No.	Name of town/city	Present capacity after upgradation (in MLD)	Proposed capacity after upgradation (in MLD)	Technology of present STP and proposed technology after upgradation	Timelines	Progress upto Dec, 2020	Remarks
	Bahadurgarh						existing 10 MLD STP allotted on 23.07.2020. At present, sewage for this area is being treated in existing 10 MLD STP in Sector 36 Bahadurgarh.
Total		20	20				

3. Under proposal STPs

River Ghaggar

Sr. No.	Name of the District	Name of the town/City	Deptt.	Capacity (MLD)	Timelines	Status as on 30.11.2020
1	Ambala	Sector-32, Ambala Cantt.	HSVP	5	31.12.2021	Almost no discharge in this area due to very less habitation. This situation is unlikely to change for the next 6-7 years. Work is likely to be started in Year 2025. Sewage is not sufficient to reach the outfall. Sewer lines are got cleaned when need arises and sewage is lifted to the existing 2 MLD STP of HSVP in Ambala.
2	Ambala	Naraingarh	HSVP	1	30.09.2022	Work is likely to be started in Year 2023. Sewage is not sufficient to reach the outfall. Sewer lines are got cleaned when need arises and sewage is lifted to the existing STP of PHED in Naraingarh.
3	Panchkula	Pinjore	HSVP	8	30.04.2023	No discharge yet in this area due to no habitation. This situation is unlikely to change for the next 6-7 years. Work is likely to be started in Year 2025.
4	Jind	Jind	HSVP	5	30.06.2023	This STP is not required at least for next 7-8 years, as the existing 10 MLD STP is sufficient to cater the sewage discharge of the HSVP area.
5	Hisar	Hansi	HSVP	5	30.06.2025	Almost no discharge in this area due to very low habitation.

Sr. No.	Name of the District	Name of the town/City	Deptt.	Capacity (MLD)	Timelines	Status as on 30.11.2020
						Situation is unlikely to change during the next 4-5 years. Work is likely to be started in Year 2023. Present discharge, though very little, is being treated in existing STP of PHED. Sewage is not sufficient to reach the outfall.
6	Hisar	Hisar	HSVP	10	31.03.2024	Almost no discharge from this area due to very low habitation. Situation is unlikely to change for the next 4-5 years. Work is likely to be started in Year 2023. Sewage is not sufficient to reach the outfall. Sewer lines are got cleaned when need arises and sewage is lifted to the existing 15 MLD STP of HSVP in Hisar.
7	Hisar	Hisar	HSVP	5	30.06.2024	No discharge yet in this area due to no habitation. This situation is unlikely to change for the next 6-7 years. Work is likely to be started in Year 2025.
Total				39		

5. Interception of sewage.

River Ghaggar

Sr. No.	Name of city MC	No. of location	Quantum of effluent to be diverted MLD	Work Completed		Work in progress		Work not started	
				No. of location	Quantum (MLD)	No. of location	Quantum (MLD)	No. of location	Quantum (MLD)
1	Panchkula	11	7.02	2	0.37	3	4.1	6	2.55
Total		11	7.02	2	0.37	3	4.1	6	2.55

The list is enclosed is as under:-

Sr. No.	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
1	Panchkula	Near Issar Nagar	HSVP	0.5	Does not relates to HSVP	Not started	This discharge is not from HSVP area. Concerned Deptt. may be intimated
2		Sec-5, MDC Bridge	HSVP	0.25	-	Completed	
3		GH-1, Sec-5MDC	HSVP	0.12	-	Completed	
4		Bridge	HSVP	0.3		In progress	Sewerline has

Sr No	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
		17/18					been laid for tapping of this sewage discharge. Permission for 3 nos major roads cut is still awaited from MC Panchkula.
5		sector-17	HSVP	0.4		Not started	In view of the decision taken in the meeting held on 28.09.2020 under the Chairmanship of PSTCP the work of tapping of sewage of Rajiv & Indira Colony shall be carried out by HSVP as a deposit work of MC Panchkula. It was decided that for setting up of pumping station, MC Panchkula shall provide 1000 sqyds land from the pocket ear marked as shamshan bhoomi. Commissioner MC was requested on 29.10.2020 to arrange the land to unavailable to this office to proceed further in the matter. However, Nothing has been heard from MC Panchkula till date. This point needs to be transferred to MC Panchkula.
6		Rajiv Indra colony	HSVP	0.4		Not started	
7		Sec-17, near # 1023	HSVP	0.25		Not started	
8		opp. New Guga mari	HSVP	1		Not started	
9		4/12 bridge near h. no. 869 sec-12	HSVP	2.8	Feb, 21	In progress	Present discharge = 0.2 MLDi) 80% untreated
10		Near harinder mandir central	HSVP	1	Feb, 21	In progress	sewerage of Sector-4 has been identified and diverted to sewer line instead of

Sr. No.	Name of MC	Name of Location	Deptt.	Quantum of sewerage to be diverted (in MLD)	Timeline	Progress	Remarks
		bridge 12A					open Nallah.ii) Balance 20% work under progress 1025 mtr. Sewer laid and work is likely to be completed upto 28.02.2021.iii) Sewerline 900 mtr has been laid in bed of Singh Nallah choe between Sector-12-12A for tapping sewer effluent upto STP. Balance work is in progress and work is likely to be completed upto 28.02.2021.
11		Near old Panchkula left side NH-22	HSVP	4893 (during flood season only)		Not started	This discharge is not from HSVP area. Concerned Department may be intimated.

4. Display of online data by the STPs/CETPs.

The HSPCB is monitoring the data of pollution parameters of the treated effluent from the STPs. But the STPs are not displaying the data always remain offline most of the time. Which is a violation of the statutory directions of the State Pollution Control Board and conditions of the consent to operate granted to the STPs.

Sr. No.	Department	River	Total STP	OMD not installed	Online	Offline	Delay
STP							
1	HSVP	Ghaggar	9	2	7	0	0
2		Yamuna	5	1	2	2	0
		Total	14	3	9	2	0
CETP							
1	HSVP	Yamuna	2	0	2	0	0
		Total	2	0	2	0	0

The list is enclosed is as under:-

Sr. No.	Industry Name	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Offline

Sr. No.	Industry Name	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Of fine
River Ghaggar							
1	2 MLD STP Sec-7, Urban Estate, Ambala City Ambala by HUDA in 10.9.2015	Sec-7, Urban Estate, Ambala City	HSVP	2	Installed	Not Connected with HSPCB	Not connected with HSPCB and CPCB
2	15 MLD STP Kurukshetra by HSVP	Sec-6, Urban Estate, Thanesar	HSVP	15	Not installed	Not Connected with HSPCB	Not installed
3	18 MLD STP Panchkula by HUDA in 31.12.2002	Sec-20, Panchkula	HSVP	18	Installed	connected with HSPCB	Offline
4	39 MLD STP Panchkula by HUDA in Nov. 2011	Sec-20, Panchkula	HSVP	39	Installed	connected with HSPCB	Offline
5	15 MLD STP Sector-28, Panchkula by HUDA in 2012	Sec-28, Panchkula	HSVP	15	Installed	connected with HSPCB	Online
6	10 MLD Bhiwani by HUDA in 1.1.2015	Jind	HSVP	10	Installed	Connected with HSPCB	Online
7	7.5 MLD Kaithal by HUDA in 31.8.2016	Kaithal	HSVP	7.5	installed	connected with HSPCB	Online
8	15 MLD STP Dabara Tosham Road, Hisar by HUDA in 31.7.2014	Dabara Tosham Road, Hisar	HSVP	15	Installed	Connected with HSPCB	Online
9	10 MLD STP Majra, Fatehabad by HUDA in 16.12.17	Village Majra	HSVP	10	Installed	Connected with HSPCB	Online
		Total		131.5			
River Yamuna							
1	30 MLD STP Sector 19 panipat HSVP	Sec-19, Panipat	HSVP	30	Installed	connected with HSPCB	Offline
2	0.8 MLD STP sector-6, panipat HSVP	Sec-6, Panipat	HSVP	0.8	Installed	Connected with HSPCB	Offline
3	7.5 MLD Sonapat Rajiv Gandhi Edu. City Phase-I Sonapat	Rajiv Gandhi Edu. City, Phase-I, Sonapat	HSVP	7.5	installed	Connected with HSPCB	Online
4	10 MLD STP Rohtak, Kanheli Road, HUDA on 18.2.2008	Sec-36, Bahadurgarh	HSVP	10	Installed	Not Connected with HSPCB	Not connected with HSPCB
5	10 MLD STP Beri	Sec-25,	HSVP	10	Installed	Connected	Online

Sr. No.	Industry Name	Name of the town/ city	Deptt.	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Of fine
	Road, Bahadurgarh by HUDA in 2.2.2013	Rohtak		58.3		with HSPCB	

OMDs CETPs

Sr. No.	Industry Name	Name of the town/city	Deptt.	Existing CETP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online
1	The Executive engineer, HUDA 21 MLD CETP	Unit-I, Sector-29, Part-II, Panipat	HUDA	21	Installed	Connected with HSPCB	Online
2	21 MLD Unit-II, Sector-29, Part-II, Panipat	Unit-II, Sector-29, Part-II, Panipat	HUDA	21	Installed	Connected with HSPCB	Online

6. Existing CETPs

Sr. No.	Name of CETP	Capacity in MLD	Existing	Present status
1	Sector-29, Panipat	21	Existing	Plant functional but non complying.
2	Sector-29, Panipat	21	Existing	Plant functional but non complying.
	Total	42		

Under upgradation CETPs

Sr. No.	Name of Estate	Present Capacity of CETP(in MLD)	Upgraded capacity (in MLD)	Timelines	Progress upto Dec, 2020
1	Sec-29 CETP, Unit I, Panipat	21	21	30.09.2021	22% work completed.
	Total	21	21		

7. Under construction CETPs

HSVP informed that the tenders have been opened on 22.07.2020 and are under scrutiny. Likely date of start of work is 01.10.2020; likely date of completion is 31.12.2021. The revised timelines alongwith justification and monthly plan to be submitted to NGT not provided.

Sr. No.	Location of CETPs	Present Capacity in MLD	Target date of Completing	Progress upto Dec, 2020
1	6 MLD CETP at Kundli, Sonapat	6	31.12.2021	Yet to be started since work has been recently allotted

8. Plan for compliance of the standards for faecal Coliform

HSPCB has issued orders for fixing up the new standards for STPs as per directions of NGT vide letter dated 02.07.2020 and all STPs have to comply with the same and the Departments should submit action plan for each STP. Some of STPs are already designed for stringent standards. These should be taken up on priority. Action plan to achieve new standards is required. PHED and HSVP have provided the likely date of achieving faecal coliform standard for some STPs. Other Department have not provided any action plan for or timelines for achieving F. Coli. Standards details are as under:-

Yamuna Catchment

Department	Total No. of STPs	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2020	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2021	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2022
HSVP	5	0	5	0

Ghaggar Catchment

Department	Total No. of STPs	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2020	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2021	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2022
HSVP	9	0	9	0

9. Survey of sources of pollution

River Ghaggar

Sr. No.	Department Name	Department Points	Action plan not required/completed	Receive Action Plan	Pending Points	Remarks
1	HSVP	14	1	2	11	1 points related to HSPCB

River Yamuna

Sr. No.	Department Name	Department Points	Receive Action Plan	Action not required	Pending Points	Remarks
1	HSVP	3				

10. Reward for good work/ Adverse Entries in ACRs of non performing officials.

The NGT has given specific directions in this regard. The action taken in this regard be apprised. Any adverse entry or reward given for successful accomplishment of any project is informed. The timelines are being extended without fixing the responsibility the action taken in this regard be submitted.

12. Inspection of HYMC

RYMC has recommended action against the defaulting officers who provided wrong information. The ATR be given for the same. The letters already issued on 27.11.2020 by HSPCB.

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report	Remarks
1	13.10.2020 10 MLD STP at Beri Road, Bahadurgarh HSVP	<ol style="list-style-type: none">1. The pump installed at inlet was not working.2. 02 nos. Aeration tanks were lying non-functional.3. A large amount of silt was present in the screen chamber.4. No dissolved oxygen sensors or SCADA system were installed.5. Primary settler was not present.6. Exercise infusion of recycling sludge which results in low bacterial activity thus results in low MLSS.7. Inadequate sludge generation as compared to the existing inflow of sewage.		

13. Phyto-Bio Remediation of drains.

The Nodal Department for execution of Bio/Phyto- Remediation identified but work is yet to be taken up. ULBD informed that they have started in Gurugram and Yamuna Nagar. The latest progress be informed. CS advised that the Departments concerned may have a direct experience of implementation in Delhi / Punjab, where such projects have been taken up and the same may be implemented immediately. The department visited sites of Punjab on 11.08.2020 and subsequently a workshop was organized through video conferencing on 17.08.2020. The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation is feasible.

The location and physical progress achieved be informed.

14. Prior consent to establish (CTE) for new/ upgraded STPs

As per Water Act/Environment norms, the STPs have to obtain prior consent to establish (CTE) before starting construction of the new STPs or upgradation of STPs. The Govt. has already set up single window for this purpose. The HSVP Department may submit the status of consent to establish for new STPs and for STPs to be upgraded. It may be ensured that CTE has been obtained for such STPs.

15. Plantation on both sides of the river

Urban estates wise plantation done in HSVP area in 2020-2021 not submitted. Further, future plans are also required.

16. Providing flow meter at inlet, outlet and bypass of the STP and display of online data of the flow meter.

The Executive Committee has directed to provide the flow meter inlet, outlet and bypass of the STP. The STPs should be provided with flow meters as per directions. The online data for the same should be displayed on the website of the HSPCB for monitoring the same.

The Govt. of India has also pressed for ensuring utilization capacity of the STPs and ensures that all the sewerage is treated in STPs. The provision of flow meter shall ensure and help in monitoring the quantum of effluent being treated through a particular STP

Staus of flow meters provided by HSVP in inlet, outlet and bypass of STPs/CETPs.

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
STPs						
River Yamuna						
1	Panipat	Sec-19, Panipat	30	Yes	Yes	No
2	Panipat	Sec-6, Panipat	0.8	Yes	Yes	No
3	Sonepat	Rajiv Gandhi Edu. City, Phase-I, Sonepat	7.5	Yes	Yes	No
4	Jhajjar	Sec-36, Bahadurgarh	10	Yes	Yes	No
5	Rohtak	Sec-25, Rohtak	10	No	No	
	Total		58.3			
River Ghaggar						
1	Ambala	Sec-7, Urban Estate, Ambala City	2	Yes	Yes	
2	Kurukshetra	Sec-6, Urban Estate, Thanesar	15	Yes	Yes	
3	Panchkula	Sec-20, Panchkula	18	Yes	Yes	
4	Panchkula	Sec-20, Panchkula	39	Yes	Yes	
5	Panchkula	Sec-28, Panchkula	15	Yes	Yes	
6	Jind	Jind	10	No	No	
7	Kaithal	Kaithal	7.5	Yes	Yes	
8	Hisar	Dabara Tosham Road, Hisar	15	Yes	Yes	
9	Fatehbad	Village Majra	10	Yes	Yes	
	Total		131.5			
HSVP						
Other areas						
1	Bhiwani	Bhiwani	10	Yes	Yes	No provision by pass
2	Rewari	Dharuhera	5	Yes	Yes	Yes
	Total		15			
CETPs						
River Yamuna						
1	Panipat	Unit-I, Sector-29, Part-II, Panipat	21			
2	Panipat	Unit-II, Sector-29, Part-II, Panipat	21			

17. STPs not meeting the prescribed parameters as per designed limits.

New standards for STPs have been fixed by Board and the BOD is prescribed as 10 mg/l. the STPs already designed to achieve BOD upto 10 mg/l have to achieve these

standards from the date of orders i.e. 02.07.2020. Other STPs have to achieve the new standards by 02.07.2021.

But, 1 STP of HSVP which is already designed for 10 BOD in the past, is observed to be not meeting this parameters. This is a serious issue and Department need to address this immediately.

River Ghaggar

Sr. No.	Name of STPs	Collection Date	Report No. & date	BOD mg/l (30)	COD mg/l (250)	PH (5.5 to 9.0)	TS S mg /l (100)	Fecal Coli form MP N/100ml	Total Nitrogen (mg/l)	Total Phosphorus (for discharge into Ponds, Lakes) (mg/l)	Remarks (actual/legally)
1	(AMB-STP-003) 2 MLD STP Sec.7, Urban Estate, Ambala City Ambala by HUDA in 10.9.2015	26.11.2020	4450 dt. 09.12.2020	11	52	7.48	20	200	6.17	0.18	Non-Complying

HSIIDC Department

1. Existing CETPs

River Ghaggar

Sr. No.	Name of the district	Name of the town/city	Existing CETP and Capacity (MLD)	Compliance Status	Action taken report
1	Panchkula	IE Barwala, Panchkula	0.5	Complying (3740 dt. 14.09.2020)	NA
2	Ambala	Ambala Cantt.	0.5	Complying(2813 dt. 08.06.2020)	NA
3	Ambala	Saha	5	Complying (3332 dt. 29.07.2020)	NA
4	Jind	I. E. Jind	0.1	Non Complying (755-756 dt. 06.10.2020)	
	Total		6.1		

River Yamuna

Sr. No.	Name of CETP	Capacity in MLD	Existing/Under construction/proposed	Present status
1	IE Rai, Sonapat	5	Existing	Complying (4375 dt. 27.11.2020)
2	IE Barhi, Sonapat	16	Existing	Complying (4571 dt. 28.12.2020)
3	IE Kundli, Sonapat	4	Existing	Complying (4377 dt. 27.11.2020)
4	IE Murthal, Sonapat	0.2	Existing	Complying (4572 dt. 28.11.2020)
5	IMT Rohtak	10	Existing	Complying (918 dt. 06.11.2020)
6	IE Kutana, Rohtak	3	Existing	The sample of 3 MLD CETP, Kutana, I.E. Rohtak could not be collected as the CETP is non operational and have not obtained CTE/CTO from the board.
7	IE Panipat Refinery Complex, Panipat	2.5	Existing	Could not be functional, due to Non availability of sufficient effluent
8	HSIIDC Sector 16-17, Bahadurgarh	12.5	Existing	Complying (892 dt. 03.11.2020)
9	IMT Faridabad	10.5	Existing	Complying (387 dt. 18.11.2020)
10	IMT Manesar, Gurugram	55	Existing	Plant functional and Complying.
	Total	118.7		

2. Under proposal CETPs
River Ghaggar

Sr. No.	Name of the district	Name of the town/city	Proposed capacity (MLD)	Timelines	Progress upto Dec, 2020
1	Jind	IE Narwana	1.5	31.03.2022	EC likely to be received by the end of February, 2021. Construction will be started immediately after receipt of EC and likely to be completed by March, 2022.
2	Sirsa	IDDC, Sirsa	1.5	31.03.2022	EC likely to be received in January, 2021. Design and drawing under approval. Construction of CETP is likely to be completed by March, 2022.
		Total	3		

River Yamuna

Sr. No.	Name of CETP	Capacity in MLD	Timelines as per action plan	Progress upto Dec, 2020
1	IE Bahadurgarh	3	June, 22	EC is expected by Dec, 2020. Work stand awarded since January, 2020 and will start after EC.
2	Manakpur, Yamuna Nagar	10	Dec, 21	

3. Under upgradation CETPs

River Ghaggar

Works for upgradation of all the 3 CETPs are at tendering stage only.

Sr. No.	Name of Estate	Capacity of CETP (In MLD)	Upgraded capacity (In MLD)	Timelines	Progress upto Dec 2020
1	IE Barwala, Panchkula	0.5	Addition of tertiary level treatment	June, 2021	Tender received, work is likely to be awarded by January, 2021.
2	IE Ambala Cantt, Ambala	0.5	Addition of tertiary level treatment	June, 2021	Tender received, work is likely to be awarded by January, 2021.
3	IE Jind, District Jind	0.1	0.5 MLD	September, 2021	DPR prepared/ approved. Tender will be invited by the end of February, 2021.
	Total	1.1	0.5		

River Yamuna

Work of upgradation of 3 CETPs i.e. Rai, Barhi and Murthal, Sonapat are not awarded so far.

Sr. No.	Name of Estate	Present Capacity of CETP (In MLD)	Upgraded capacity (in MLD)	Timelines	Progress upto Dec, 2020
1	IE Rai,	5	10	Apr, 2022	Financial bids under approval. Work

Sr. No.	Name of Estate	Present Capacity of CETP(In MLD)	Upgraded capacity (in MLD)	Timelines	Progress upto Dec, 2020
	Sonepat				is expected to be awarded by the end of January, 2021, however, the work will be started on ground after receipt of EC.Expected to be completed by April, 2022.
2	IE Barhi, Sonepat	16	26	Apr, 2022	The tenders have been re-invited, received and are under technical evaluation. Work is expected to be awarded by February, 2021, however, the work will be started on ground after receipt of EC.Expected to be completed by April, 2022.
3	IE Kundli, Sonepat	4	10	Dec, 2021	About 18% work executed at site.
4	IE Murthal, Sonepat	0.2	2	Apr, 2022	Work stands awarded. Design/ drawings under finalization. Work will start in February,2021 and will be completed by April, 2022.
	Total	25.2	48		

4. OMDs CETPs in the catchment of river Ghaggar and Yamuna

Sr. No.	Department	River	Total STP	OMD not installed	Online	Offline	Delay
CETP							
1	HSIIDC	Yamuna	10	2	7	0	1
		Ghaggar	5	0	4	1	0
		Total	15	2	11	1	1

The list is enclosed is as under:-

Sr.No	Industry Name	Name of the town/city	Existing CETP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Connected with CPCB	Online
River Yamuna							
1	CETP barhi 16 MLD	IE Barhi, Sonepat	16	Installed	Connected with HSPCB	Connected with CPCB	Online
2	CETP Rai, 5MLD	IE Rai, Sonepat	5	Installed	Connected with HSPCB	Connected with CPCB	Delay
3	CETP Kundali, 4 MLD	IE Kundli, Sonepat	4	Installed	Connected with HSPCB	Connected with CPCB	Online
4	CETP murthal, 0.2 MLD	IE Murthal, Sonepat	0.2	Installed	Connected with HSPCB	Connected with CPCB	Online
5	CETP of 55/15 MLD installed by	IMT Manesar Gurgaon	55	installed	Connected with HSPCB	Not connected with	Online

Sr.No	Industry Name	Name of the town/city	Existing CETP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Connected with CPCB	Online
	HSIIDC,	HSIIDC				CPCB	
6	HSIIDC Enviro Infrastructure Engineer LTD, 10.5 MLD	IMT Faridabad	10.5	Installed	Connected with HSPCB	Connected with CPCB	Online
7	Haryana State Industrial & Infrastructure Development Corporation Ltd.	IMT Rohtak	10	Installed	Connected with HSPCB	Connected with CPCB	Online
8	IE, HSIIDC, KUTANA, Rohtak	IE Kutana Rohtak	3	Not installed	Not Connected with HSPCB	Not connected with CPCB	Not installed
9	HSIIDC CETP Industrial Estate Bahadurgarh 12.5MLD	IE, HSIIDC, Bahadurgarh	12.5	Installed	Not Connected with HSPCB	Not connected with CPCB	Online
10	2.5 MLD IE, HSIIDC, Panipat	2.5 MLD IE, HSIIDC, Panipat	2.5	Not installed	Not Connected with HSPCB	Not connected with CPCB	Not installed
River Ghaggar							
1	HSIIDC, IE Barwala, Panchkula 0.5 MLD	IE Barwala, Panchkula	0.5	Installed	Connected with HSPCB	Connected with CPCB	Online
2	HSIIDC, Senior Manager, 0.5 MLD	Ambala Cantt.	0.5	Installed	Connected with HSPCB	Connected with CPCB	Online
3	HSIIDC, CETP Site, HSIIDC 5 MLD	Saha	5	Installed	Connected with HSPCB	Connected with CPCB	Online
4	CETP, HSIIDC, Jind	I. E. Jind	0.1	Installed	Connected with HSPCB	Connected with CPCB	Offline
			6.1				
Other catchment							
5	HSIIDC IMT bawal.	Bawal	22.5	Installed	Connected with HSPCB	Not connected with CPCB	Online

5. Reward for good work/ Adverse Entries in ACRs of non performing officials.

The NGT has given specific directions in this regard. The action taken in this regard be appraised. Any adverse entry or reward given for successful accomplishment of any project is informed. The timelines are being extended without fixing the responsibility the action taken in this regard be submitted.

6. Phyto-Bio Remediation of drains.

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

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

GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB.

PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

7. Survey of sources of pollution

River Yamuna

Sr. No.	Department Name	Department Points	Receive Action Plan	Action not required	Pending Points	Remarks
1	HSI IDC	2				

River Ghaggar

Sr. No.	Department Name	Department Points	Action plan not required/completed	Receive Action Plan	Pending Points	Remarks
1	HSI IDC	2		-	2	

8. Providing flow meter at inlet, outlet and bypass of the CETP and display of online data of the flow meter.

The Executive Committee has directed to provide the flow meter inlet, outlet and bypass of the CETPs. The CETPs should be provided with flow meters as per directions. The online data for the same should be displayed on the website of the HSPCB for monitoring the same.

The Govt. of India has also pressed for ensuring utilization capacity of the CETPs and ensures that all the sewerage is treated in CETPs. The provision of flow meter shall ensure and help in monitoring the quantum of effluent being treated through a particular CETP

Staus of flow meters provided by HSIIDC in inlet, outlet and bypass of CETPs.

Sr.No.	Name of the district	Name of the town/city	Existing CETP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
River Yamuna CETPs						
1	Sonepat	IE Barhi, Sonepat	8			
2	Sonepat	IE Barhi, Sonepat	16			
3	Sonepat	IE Rai, Sonepat	5			
4	Sonepat	IE Kundli, Sonepat	4			
5	Sonepat	IE Murthal, Sonepat	0.2			
6	Gurgaon	IMT Manesar Gurgaon HSIIDC	55			
7	Gurgaon	Sec-37, Gurgaon	0.2			
8	Faridabad	IMT Faridabad	10.5			
9	Faridabad	Faridabad Electroplaters Association, Sec-58, Faridabad	0.35			
10	Rohtak	IMT Rohtak	10			
11	Rohtak	IE Kutana Rohtak	3			
12	Jhajjar	IE, HSIIDC, Bahadurgarh	12.5			
			124.75			
CETPs (Ghaggar)						
Sr.No.	Name of the district	Name of the town/city	Existing CETP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
1	Panchkula	IE Barwala, Panchkula	0.5			
2	Ambala	Ambala Cantt.	0.5			
3	Ambala	Saha	5			
4	Jind	I. E. Jind	0.1			
	Total		6.1			
Other areas						
5	Rewari	Bawal	22.5			

Gurugram Metropolitan Development Authority (GMDA)

1. Under Construction STPs

Sr. No.	Name of town/city	Capacity (MLD)	Timelines	Progress upto Dec, 2020
In Progress				
1	Jhazgarh	20	31.12.2021	3%
2	Dhankot, Gurugram	2	30.09.2021	0%
3	Bajghera	2	30.09.2021	0%
Total		24		

2. Under proposal STPs

Sr. No.	Name of the town/city	Capacity (MLD)	Timelines	Latest status upto Dec, 2020
1	Manesar and Naharpur Kasan, Gurugram	25	31.03.2022	Tender floated and bids opened.

3. Under proposal CETPs

ULBD intimated that W/CS, Haryana has decided that GMDA shall construct the CETPs in Gurugram and the same has been conveyed to CEO, GMDA vide this office letter memo no. Tech/NGT/DULB/2021/8091 dated 11.01.2021.

Sr. No.	Name of CETP	Capacity in MLD	Timelines as per action plan	Progress upto Dec, 2020
1	Sector- 18, Gurugram	1.5	31.12.2022	
2	Industrial Area, Sector- 37, Gurugram	9	31.12.2022	
Total		10.5		

5. Display of online data by the STPs.

The HSPCB is monitoring the data of pollution parameters of the treated effluent from the STPs. But the STPs are not displaying the data always remain offline most of the time. Which is a violation of the statutory directions of the State Pollution Control Board and conditions of the consent to operate granted to the STPs.

Sr. No.	Department	River	Total STP	OMD not installed	Online	Offline	Delay
STP							
1	GMDA	Yamuna	5	0	4	1	0
		Total	5	0	4	1	0

The list is enclosed is as under:-

Sr. No.	Industry Name	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Offline
1	68 MLD STP Dhanwapur, Gurgaon (North) by HUDA in	Gurgaon	Dhanwapur, Gurgaon	68	Installed	Connected with HSPCB	Online

Sr. No.	Industry Name	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	OCEMS installed (Yes/No)	Connected with HSPCB	Online/Offline
	January dt. 2004						
2	100 MLD STP Dhanwapur, Gurgaon (North) by HUDA in 1.12.2014	Gurgaon	Dhanwapur, Gurgaon	100	Installed	Connected with HSPCB	Online
3	50 MLD STP Dhanwapur, Gurgaon (North) by ULB/ MCG in 1.10.2018	Gurgaon	50 MLD STP Dhanwapur, Gurgaon (North) by ULB/ MCG in 1.10.2018	50	Installed	connected with HSPCB	Online
4	50 MLD STP at Behrampur, Gurugram (South) by HUDA in August 2010	Gurgaon	Behrampur	50	Installed	Connected with HSPCB	Offline
5	120 MLD STP at Bahrampur, Gurugram (South) by HUDA in July 2014	Gurgaon	Behrampur, Gurgaon	120	Installed	Connected with HSPCB	Online
		Total		388			

6. Najafgarh drain/Badshahpur drain in Gurugram.

Total - 145.4 MLD quantum was to be diverted from Leg-I, Leg-II & Leg-III drains. Out of which 95.9 MLD effluent has been diverted so far. 49.5 MLD effluent yet to be diverted and action needs to be expedited for diversion of this effluent.

7. Reward for good work/ Adverse Entries in ACRs of non performing officials.

The NGT has given specific directions in this regard. The action taken in this regard be appraised. Any adverse entry or reward given for successful accomplishment of any project is informed. The timelines are being extended without fixing the responsibility the action taken in this regard be submitted.

8. Prior consent to establish (CTE) for new/ upgraded STPs

As per Water Act/Environment norms, the STPs have to obtain prior consent to establish (CTE) before starting construction of the new STPs or upgradation of STPs. The Govt. has already set up single window for this purpose. The GMDA may submit the status of consent to establish for new STPs and for STPs to be upgraded. It may be ensured that CTE has been obtained for such STPs.

9. Plan for compliance of the standards for faecal Coliform

HSPCB has issued orders for fixing up the new standards for STPs as per directions of NGT vide letter dated 02.07.2020 and all STPs have to comply with the same and the Departments should submit action plan for each STP. Some of STPs are already designed for stringent standards. These should be taken up on priority. Action plan to achieve new standards is required. PHED and HSVP have provided the likely date of achieving faecal coliform standard for some STPs. Other Department have not provided any action plan for or timelines for achieving F. Coli. Standards details are as under:-

Yamuna Catchment

Department	Total No. of STPs	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2020	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2021	Likely date of achieving Faecal Coliform standards 100 MPN/100 ml by 2022
GMDA	5	0	3	2

10. Phyto-Bio Remediation of drains.

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

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

GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB.

PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

11. Action plan for achieving standards for faecal Coliform

HSPCB has issued orders for fixing up the new standards for STPs as per directions of NGT vide letter dated 02.07.2020 and all STPs have to comply with the same and the Departments should submit action plan for each STP. Some of STPs are already designed for stringent standards. These should be taken up on priority. Action plan to achieve new standards is required. PHED and HSVP have provided the likely date of achieving faecal coliform standard for some STPs. Other Department have not provided any action plan for or timelines for achieving F. Coli. Standards details are as under:-

Department	Total No. of STPs	Date of achieving F. coli. standards Submitted	Date of achieving F. coli. standards Not Submitted
GMDA	5	5	0

12. Providing flow meter at inlet, outlet and bypass of the STP and display of online data of the flow meter.

The Executive Committee has directed to provide the flow meter inlet, outlet and bypass of the STP. The STPs should be provided with flow meters as per directions. The online data for the same should be displayed on the website of the HSPCB for monitoring the same.

The Govt. of India has also pressed for ensuring utilization capacity of the STPs and ensures that all the sewerage is treated in STPs. The provision of flow meter shall ensure and help in monitoring the quantum of effluent being treated through a particular STP

Staus of flow meters provided by GMDA in inlet, outlet and bypass of STPs.

Sr. No.	Name of the district	Name of the town/ city	Existing STP and Capacity (MLD)	Flow meter at Inlet	Flow meter at Outlet	Flow meter at bypass
STPs						
1	Gurgaon	Dhanwapur, Gurgaon	68	Yes	No	No
2	Gurgaon	Dhanwapur, Gurgaon	100	Yes	No	No
3	Gurgaon	Behrampur	50	Yes	No	No
4	Gurgaon	Behrampur, Gurgaon	120	-	-	-
5	Gurgaon	Gurgaon	50			
	Total		388			

13. Inspection of HYMC

RYMC has recommended action against the defaulting officers who provided wrong information. The ATR be given for the same. The letters already issued on 27.11.2020 by HSPCB.

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report
1	06.10.2020 55 MLD CETP at IMT Manesar GMDA	<ol style="list-style-type: none"> 1. CETP was receiving 42 MLD Mixed Effluent (Industrial and Domestic Effluent). 2. The Oil and Grease removal is not proper and the same is being carried forward to the Primary treatment facility. 3. The both Online pH meters installed in the chemical dosing channels are showing different pH values. The laboratory operating inside the CETP premises is not properly equipped and even pH papers are not available with the operator. 4. The quantum of Lime, Ferrous Sulphate and Polyelectrolyte used for chemical treatment (removal of inorganic pollutants) are grossly inadequate. These chemical dosing are not based on inlet characteristics such as pH value and conductivity value for both the CETP. The inorganic pollutants are not removed at the primary treatment facility, thereby influencing the biological treatment in Aeration Basin. 5. The Dissolved Oxygen (DO) sensors are not working properly in both the CETPs. The operators informed that the Dissolved Oxygen value in the Aeration Basin is 2 mg/ltr. 6. The Mixed Liquor Suspended Solid (MLSS) value was not proper and there was no visible live Bacterial Mass indicating improper or no biological activity in the Aeration Basin of both the CETPs. 7. The common Sludge thickener for 25 MLD CETP and 30 MLD CETP is filled with dried sludge. Grass and Pipal saplings are growing on the Sludge thickener tank. 	

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report
		<p>8. Out of 4 Belt Filter Press installed for Sludge drying purpose, only 1 was found operating. Separate energy meters were not installed to assess the daily energy consumption in the sludge drying section.</p> <p>9. The Sludge generation and Removal in the CETP is grossly inadequate.</p> <p>10. The Dual Media Filtration Columns are not being used regularly and as reported they were cleaned only twice in 4 years.</p> <p>11. The location of the installation of the Online Monitoring Devices (OLMS) was not proper, thereby giving misleading data.</p> <p>12. The channel inside the CETP premises was found carrying untreated effluent.</p> <p>The information submitted to HYMC by GMDA through Email on 29.09.2020 regarding chemical consumption, MLSS Level and sludge generation are not corroborating with the facts at site. Some of the suggestions of HYMC given earlier regarding removal of operational deficiencies of the CETPs are not complied. Action may be initiated against the officers for not properly monitoring the operational status of the CETP and submitting misleading information.</p>	
2	26.10.2020 50 MLD STP, at Dhanwapur Gurugram GMDA	<p>1. SCADA system was not working and total system was on manual mode.</p> <p>2. Conductivity meter in lab was non operational and ph meter was found to be dry.</p> <p>3. BOD sampling and testing was not being done properly.</p> <p>4. Out of 04 DO meters, none in working condition.</p> <p>5. Temperature sensors were not working.</p> <p>6. MLSS was found to be satisfactory.</p>	
3	26.10.2020 68 MLD STP at Dhanwapur Gurugram GMDA	<p>1. Thickner and sludge Digester not working, undergoing cleaning and maintenance.</p> <p>2. Industrial sludge handling due to construction of tertiary treatment plant.</p> <p>3. 2 no. of surface aerators were not working and out of 10, 2 no. of submerged aerators were also not working.</p> <p>4. Incomplete sludge separation.</p> <p>5. Gas holder was under repair.</p> <p>6. MLSS was less than 100 mg/l.</p>	
4	26.10.2020 100 MLD STP at Dhanwapur Gurugram GMDA	<p>1. Out of 4 only 2 filter press was working.</p> <p>2. Out of 3 aeration basins. Diffusers were not working properly in one basin and partially working in others.</p> <p>3. Dead sludge was found in basin and no biological activity was observed. Excess sludge was being added which was more than the requirement.</p>	

Sr. No.	Date of inspection by HYMC/ Name and Address of STP	Deficiencies Observed by HYMC	Action Taken Report
		4. MLSS less than 600 mg/l and conductivity at inlet- 1800 μ S cm ¹ .	
5	27.10.2020 120 MLD STP at Behrampur Road, Gurugram GMDA	<ol style="list-style-type: none"> 1. Online pH meter, BOD and COD analyzers are not installed in the inlet of STP. 2. Damage diffusers in SBR Basin No. 3 and 4 need to be replaced immediately for better oxygen transfer. Desired treatment in these SBR Basin cannot be achieved. 3. DO Meters installed in all SBR Basin are non functional and not connected to SCADA System, thereby the treatment in SBR Basins are being done manually. 4. Turbo Compressors are required to have better oxygen transfer in the aeration process. 5. 2 out of 4 sludge drying belt filter press are found working. The sludge thickeners and sludge digesters need to be regularly cleaned. 6. Quantum of Gas Consumption in both the Bio Gas engine generating power needs to be assessed by installing adequate meters. 7. The Tertiary Treatment Facility of 30 MLD Capacity required Auto Chemical Dosing Pumps based on water quality of secondary treatment plant. 8. The present chemical dosing needs to be optimized. 9. Floating weeds (Eichornia) found in the Clariflocculator tank. 	
6	27.10.2020 50 MLD STP at Behrampur Road, Gurugram GMDA	<ol style="list-style-type: none"> 1. Anoxic Tank treating raw effluent (before aeration tank) serving no purpose. 2. Online pH meters in the inlet of STP not installed. 3. Access recycling of activated Sludge in the Aeration Basin adding unnecessary sludge load to the STP. 4. The Sludge Removal is not proper and Pumps installed in the Sludge Thickeners are not working. 5. Sludge Digester under repair to plug emission of Methane Gas generated during Sludge Degustation. 6. DO Sensors are not installed in the Aeration Basins. 7. The operation of the STP is being done manually without any SCADA System. 8. The MLSS Level in the Aeration Basins is between 3000 to 4000 mg/ltr. This indicates that unnecessary dead sludge is being recycled. 9. The Sludge Drying Beds handling digested sludge are lying empty and the numbers are inadequate to handle generated sludge. In absence of adequate number of mechanical sludge drying facilities the 50 MLD STP will not function properly. 10. The Tertiary Treatment Facility of 40 MLD Capacity is under trial. 	

18. STPs not meeting the prescribed parameters as per designed limits.

New standards for STPs have been fixed by Board and the BOD is prescribed as 10 mg/l. the STPs already designed to achieve BOD upto 10 mg/l have to achieve these standards from the date of orders i.e. 02.07.2020. Other STPs have to achieve the new standards by 02.07.2021.

But, 2 STPs of GMDA which are already designed for 10 BOD in the past, are observed to be not meeting this parameters. This is a serious issue and Department need to address this immediately.

List of STPs designed below 10 BOD but not complying as per designed limits.

Sr. No.	Design pollution parameters		Actual results for pollution parameters							
	Name of STP	BOD	A/R No. & date	BOD mg/l (30)	COD mg/l (250)	PH (5.5 to 9.0)	TSS mg/l (100)	O & G	T. Coll	F. Coll
1	68 MLD STP Dhanwapur, Gurgaon	<5	1048 dt. 04.11.2020	35	100	6.9	47	ND	110000	17000
2	100 MLD STP Dhanwapur, Gurgaon	<5	1403-1404 dt. 30.12.2020	16	68	7	28			42000

Agriculture Department.

1. Incremental Progress of the crop diversification.

RYMC applauded the efforts of the State in its attempts to formulate policy on crop diversification and use of treated waste water, hoping that the same will be very useful for conservation of ground water in the state. The incremental progress achieved in this regard need to be monitored as it has impact on flow of water in Yamuna and dependence on river water for irrigation, RYMC further indicated. Chief Secretary was also requested to send a status report on the progress achieved in these two initiatives, for inclusion in their Report.

Agriculture Department intimated that the State has already formulated the crop diversification policy and farmers are being persuaded to switch to crops other than paddy. During 2020-21, an area of 38,612 Ha has been diverted in the State.

The incremental progress on monthly basis may be reported.

An ambitious programme namely "Mera Pani Meri Virasat" was launched by the government for diversification of Paddy crop with alternate crops like Maize / Cotton / Bajra / Pulses / Vegetables and Fruits etc during Kharif-2020. The applications were invited online and an area of 1,35,596 ha registered on portal from entire area of the State under Diversification programme. However, actually an area of 29917.17 ha verified where Paddy crop was diversified with other alternate crops. The district wise details are as under:-

Sr. No.	District	Area registered on portal (Ha)	Area diversified (Ha)
1	Ambala	3428.96	617.48
2	Bhiwani	5276.18	1510.88
3	Charkhi Dadri	7756.89	307.20
4	Faridabad	2473.64	769.54
5	Fatehabad	9450.37	4510.39
6	Gurugram	2158.88	132.43
7	Hisar	8704.39	3008.05
8	Jhajjar	11421.79	3093.79
9	Jind	15160.12	4870.75
10	Kaithal	7080.07	2092.76
11	Karnal	5784.59	78.42
12	Kurukshetra	2823.55	374.24
13	Mahendergarh	140.15	0
14	Mewat	10630.33	65.47
15	Palwal	7460.70	16.75
16	Panchkula	1680.13	401.50
17	Panipat	2938.66	308.29
18	Rewari	2410.85	435.44
19	Rohtak	5285.51	793.59
20	Sirsa	149.56	4555.70
21	Sonepat	5856.81	1542.75
22	Yamuna Nagar	2717.61	431.73
	Total	135596.64	29919.15

The variation in the registered area & area verified is due to area not actually diversified by the farmers or the area was not under Paddy Crop during last year. Similarly, main emphasis was given to 8 Blocks (Babain, Shahabad, Pipli, Ismailabad, Guhla, Siwan, Ratia and Sirsa) covering 4 Districts where water table depth is more than 40m deep for construction of Recharge Shaft structure to arrest the run-off/flood water for ground

water recharging. A target of construction of 1000 number of Recharge Shaft structures in 8 Blocks D/Gourav/legal Letter (2) was fixed for the year 2020-21. The details of work completed and under progress are given as under:-

Sr. No.	Block	Target of structures (No)	Achievement (No.)		
			Structures completed (No.)	Under progress	Yet to be start
1	Babain	80	0	65	15
2	Pipli	80	0	55	25
3	Shahbad	350	4	155	191
4	Ismailabad	80	0	55	25
5	Guhla	150	62	88	0
6	Siwan	60	13	47	0
7	Ratia	160	40	120	0
8	Sirsa	40	0	0	40
	Total	1000	119	585	296

The similar Crop Diversification programme will be repeated during the Kharif-2021 to replace the water guzzling paddy crop with other alternate crops and the targets for the years 2021-22 for construction of Recharge Shaft structures will be decided in due course of time.

2. Reward for good work/ Adverse Entries in ACRs of non performing officials.

The NGT has given specific directions in this regard. The action taken in this regard be apprised. Any adverse entry or reward given for successful accomplishment of any project is informed. The timelines are being extended without fixing the responsibility the action taken in this regard be submitted.

3. Watershed Management

The Agriculture Department has not submitted plan for Watershed Management on monthly basis.

Progress of Ghaggar River Action Plan upto 31.12.2020:

River Ghaggar

The Action Plan amounting to **Rs. 2281.43 lakh** for construction of **1,080** number of soil & water conservation structures in the catchment area of Ghaggar has been approved for the year 2020-21. The following Soil & Water Conservation Works namely Water Harvesting Structure, Check Dams, Earthen gully Plugs, Earthen Embankments, Percolation Pond, Farm Pond, Crate Wire Structures and Retaining Wall are to be executed at farmer's field / Community Land under various schemes being implemented by the Department. The district wise details are as under:

Sr. No.	District	Target		Achievement		Amount pending in FD (in Lakh)
		Structure (No.)	Amount	Structure (No.)	Amount	
1	Panchkula	468	1648.59	276	1097.44	86.39
2	Ambala	195	225	45	117	7
3	Kurukshetra	219	210.55	51	199.63	0
4	Fatehabad	237	205.97	25	54.89	0
5	Sirsa	55	78.57	18	58.57	0
	Total	1174	2368.68	415	1527.53	93.39

- (i) A total number of 443 structures have been completed involving Rs. 1585.69 lakh. The remaining amount Rs. 792.59 lakh will be utilized upto 20.02.2021.
- (ii) The bills amounting to Rs. 114.39 lakh are pending in FD for approval.

River Yamuna

Sr. No.	District	Target		Achievment	
		Strcuture (No.)	Amount	Strcuture (No.)	Amount
1	Yamuna Nagar	125	123.30	28	58.16
2	Nuh/Mewat	130	250.28	1	1.80
3	Gurugram	70	100.43	4	11.55
4	Palwal	69	59.36	10	34.08
5	Karnal	0	123.68	27	103.67
6	Panipat	0	40	0	0
7	Jhajjar	23	33	1	1.67
8	Sonepat	200	50.91	0	0
	Total	617	780.96	71	210.93

Remarks:- Water Harvesting Structure, Check Dams, Earthen gully Plugs, Earthen Embankments, Percolation Pond, Farm Pond, Crate Wire Structures and Retaining Wall are constructed at farmers field and Panchayat land. No target of structure was given to Rohtak, and Faridabad districts.

Irrigation Department

1. Closed conduit pipelines for disposal of treated effluent and storm water from Kundli CETP to Drain No. 6.

CPCB issued directions to Irrigation Department to construct closed conduit pipeline for discharge of treated effluent from CETP Kundli so that it may not mixed with water of Diversion Drain No. 8 in Sonapat. HSIIDC has deposited Rs. 6.59 Crore with Irrigation Department. The projects approved by Standing Technical Committee (STC) of Irrigation Department and Administrative approval for Govt. is being sought.

2. Ground Water Regulation/ Management.

The Ground Water (Regulation & Management) Act, 2020 has been enacted. The action plan is required to be submitted for Ground Water Management by the Irrigation Department. Progress may be appraised.

3. Reuse of treated sewage

15 irrigation projects to utilize the treated sewage of the towns costing Rs. 184.97 crore, which are part of Rs. 500 crore micro irrigation project under NABARD scheme, have been approved.

35 STPs located in 21 districts to irrigate CCA of 23,359 hectares of land to utilize 338.85 MLD of treated sewage have also been covered under the project of Rs. 500 crore.

The Executing Committee asked that all the 15 irrigation projects to utilize the treated sewage of STPs located in the catchment area of river Ghaggar should be completed by 31.3.2021 and priority may be given to the remaining 44 STPs (59-15) of Ghaggar catchment area to utilize their treated sewage for irrigation.

But department of Irrigation submits that the 15 projects for utilization of treated sewage water through STPs in the catchment of Ghaggar can be completed by 30.06.2022 and rest of STPs shall be taken up in 2nd phase after 2022.

Panchayats Department

1. Under construction soakage pits in villages.

It was observed by Executive Committee that in Villages Dholuwal, Burjkotla, Toda, Mouli, Khetpural, Rehor and Bharoli of District Panchkula, soakage pits are under construction, whereas, soakage pit is not a scientific and environmentally sound technology as it may call ground water contamination.

Further, no source of pollution/ contamination of ground water is to be allowed under Water Act, 1974.

So, the Panchayats Department shall look into the issue and take appropriate action accordingly, so that the ground water contamination may not occur. Revised plan for sewage treatment in such villages may be submitted to HSPCB.

As per Section 25 of Water Act, 1974, the outlet of sewage shall seek prior consent (CTE) of the Board. Now, the Panchayats Department is setting up treatments systems for polluted effluent from villages. Therefore, the Departments should seek prior consent of the Board under provisions of Water Act and apply on single window established by the State Govt. in this regard to fulfill the legal formality.

2. Prior consent to establish (CTE) for new/ upgraded STPs

As per Water Act/Environment norms, the STPs have to obtain prior consent to establish (CTE) before starting construction of the new STPs or upgradation of STPs. The Govt. has already set up single window for this purpose. The Public Health Engineering Department may submit the status of consent to establish for new STPs and for STPs to be upgraded. It may be ensured that CTE has been obtained for such STPs.

3. Treatment plants in villages

River Ghaggar

- No. of work proposed as per Action Plan- 45
- No. of works not sanctioned- 9
- No. of work sanctioned- 36
- No. of work completed- 1
- No. of works in progress- 33
- No. of works not started- 2
- All works were proposed to be completed by 31.12.2020.

Revised timelines alongwith justification to be submitted to NGT not given for following villages:- Patti Afgan, Kakaut, Sega, Teontha, Ujhana, Talwara, Talwari.

River Yamuna

- No. of work proposed as per Action Plan- 277
- No. of works not sanctioned-94
- No. of work sanctioned- 183
- No. of work completed- 24
- No. of works in progress- 151
- No. of works not started- 8
- All works were proposed to be completed by 31.12.2020.
- Revised timelines alongwith justification to be submitted to NGT not given for following villages:-

Milk Majra, Gadhola, Kharwan, Dayalgarh, Khoand, Kachhwa, Ainchla, Ramba, Naraina, Brass(Dhola Kuan), Khojkipur, Raimal, Raslapur, Shimla Gujran, Tajpur, Ahar, Balana, Bhaupur, Brahman Majra, Gudsham, Buwana Lakhu, Chamrara, Chhichhrana, Dahar, Didwari, Gwalra, Hartari, Israna, Jondhan Kalan, Karad, Kakoda, Khalila Majra, Mandi, Naultha, Naultha Dungran, Palri, Pardhana, Pathri, Puthar, Seenk, Shahpur, Adiyana, Ahmedpur Majra, Allupur, Assan Khurd, Atawla, Bal Jattan, Bhader, Bhalsi, Bandhari, Dharmgarh, Joshi, Kalkha, Kawy, Khandra, Madianda, Nain, Shera, Shodapur, Sutana, Thirana, Untla, Urlana Kalan, Urlana Khurd, Waiser, Waiser, Assan Kalan, Babail, Bhainswal, Binjhol, Chandoli, Dadlana, Faridpur, Jattal, Kabri, Khotpura, Mehamadpur, Nangal Kheri, Siwah, Chulkana, Rana Majra and all villages of Faridabad and Palwal.

Rural Development Department

1. Watershed Management.

The Panchayats Department has submitted plan for Watershed Management in Yamuna catchment. The latest progress received upto November, 2020 is as under:-
Monthwise Physical Achievement under Watershed Management (IWMP) in Yamuna Basin:-

Sr. No.	District	Achievement upto Sept. 2020	Oct, 202		Nov, 2020		Total	
			T	A	T	A	T	A
1	Gurugram	7	14	7	20	13	167	27
2	Mewat	2	5	1	4	0	32	3
3	Rohtak	3	2	2	0	0	5	5
4	Palwal	9	14	6	18	0	131	15
5	Sonipat	0			0	0	0	0
6	Jhajjar	27	5	7	0	0	32	34
	Total	48	40	23	42	13	367	84

The progress for Dec, 2020 not provided.

Forest Department

1. Development of Bio-diversity Parks and plantation of trees along rivers.

The Forest Department has apprised action plan and progress regarding development of bio-diversity along rivers and plantation of trees.

But location needs to be informed the Geo Coordinates of the areas where trees have been planted. The Executive Committee has asked for the same so, that physical achievement could be verified.

Forest Department has given the location of plantation vide their letter no. 1019 dated 07.01.2021 but the enclosure are not readable. So, the soft copy of the same may be provided.

River Ghaggar

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

River Yamuna

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

- The Forest Department has apprised action plan and progress regarding development of bio-diversity along rivers and plantation of trees.
- But location needs to be informed the Geo Coordinates of the areas where trees have been planted.

Mining and Geology Department

1. Effective Mining Policy.

It was informed by Mining Department during last meeting that they have already formulated the policy of sand mining and the details of implementation will be shared with Environment Department for incorporation in the report.

The details of action taken for violation of the policy be informed. But no report received so far.

Industries Department

1. Shifting of industries.

Industrial units in non-conforming areas: Y Nagar / Jagadhri, Sonapat, Panipat, Rohtak & Faridabad

Actions taken so far for shifting of units in Y Nagar / Jagadhri- Industry Department may inform the status.

Regarding industrial units in non conforming areas at Sonapat (Kundli), Faridabad & Panipat.

Yamuna Nagar/Jagadhari

Industries Department intimated vide their letter dated 10.07.2020 and DO letter dated 28.07.2020 from PS, Industries that it was decided in the meetings held under the Chairmanship of PS, Industries on 13.01.2020 and 16.03.2020 that PHED will provide land to HSIIDC for construction of 1 CETP of about 20 MLD capacity at Jagadhari and another CETP of 10 MLD capacity at Yamuna Nagar. HSIIDC had requested PHED to provide land and survey details of industries, sewerage plan and quantum of total effluent from industries located in above areas. It was also decided that IIT, may engaged to take up the study of sewerage system of Jagadhari and Yamuna Nagar towns to suggest what can be done to treat the mixed discharge i.e. D.E and T.E. Accordingly, HSIIDC had requested IIT, Roorkee to depute a team of experts for the same. IIT Roorkee team has visited the sites at Jagadhari and Yamuna Nagar on 13.07.2020 and has sought some more information relating to PHED and industries, which is being arranged.

Sonapat, Faridabad and Panipat

Regarding industries units in non conforming areas at Sonapat (Kundli), Faridabad and Panipat, matter pertains to ULBD. Progress may be apprised by ULBD and industries.