



HSPCB

HARYANA STATE POLLUTION CONTROL BOARD  
C-11, SECTOR-6, PANCHKULA  
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No. HSPCB/WC/ 9764

Dated:- 08-11-2019

To

The Chairman  
Executive Committee,  
Tower No.5, Fourth Floor Forest Complex,  
Sector, 68 SAS Mohali

**Sub: Compiled monthly ATR for the month of September, 2019 to the Executive Committee appointed in matter of OA No. 138/2016 Stench Grips Mansa's Sacred River Ghaggar.**

Sir,

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith the copy of compiled monthly ATR for the month of September, 2019 to the Executive Committee appointed in matter of OA No. 138/2016 Stench Grips Mansa's Sacred River Ghaggar.

DA/ As above

Env. Engineer (HQ)  
For Member Secretary

**Month of September, 2019.**

**Questionnaire in respect of Hon'ble NGT order dated 07.08.2018 in OA No. 138 & 139 of 2016- Control of Pollution in River Ghaggar for Month of September, 2019.**

**1. Whether the District level STF have submitted the monthly action taken report to the State STF or not? If no report submitted, has any action taken against the erring officer/official?**

<b>Sr. No.</b>	<b>Name of Task Force</b>	<b>Status of report</b>	<b>Remarks</b>
1.	Panchkula	Submitted	<p><b>Name of defaulting officer as per report of DSTF</b></p> <ul style="list-style-type: none"> <li>• Sh. Sandeep Kumar, EE, Irrigation, Panchkula not submitted report regarding flow of drains.</li> <li>• Sh. Jarnail Singh, EO, MC, Panchkula not submitted report regarding dredging de-silting of drains, plan of Integrated Solid Waste Management (ISWM) plan for plastic Waste Management, open defecation, open defecation, disposal by sewages through tankers by private parties.</li> <li>• Sh. Shivraj Singh , XEN, PHED, Panchkula not submitted report plan for laying of sewages in approved colonies</li> <li>• Sh. Vishal Kaushil, DFO, Panchkula not submitted report regarding greenery development plan.</li> <li>• Dr. Yogesh Sharma, Civil Surgeon, Panchkula not submitted report regarding Health Camps.</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 1, 2, 3, 4, 6, 8, 10, 12, 14, 16, 17, 18, 19 and 21 have not been submitted.</p>
2	Ambala	Submitted	<p><b>Name of defaulting officer as per report of DSTF</b></p> <ul style="list-style-type: none"> <li>• Sh. Vinod Kumar, SE, Irrigation, Ambala not submitted report regarding flow of drains and dredging and de-silting of drains</li> <li>• Sh. S.K. Gouyal, Executive Engineer, Panchayat Raj and Sh. Virender Sigh, EO, MC, Ambala not submitted report regarding identification of sources of pollution having out fall in drains.</li> <li>• Sh. Virender Singh, EO, MC, Ambala not submitted report regarding plan for integrated solid Waste Management (ISWM), open defecation, disposal by sewages through tankers by private parties and plan for Plastic Waste Management.</li> <li>• Sh. Ankit, Soil Conservation officer, Narairngarh and Sh. Girish Nagpal, DDA, Agriculture Ambala not submitted regarding Agriculture practices.</li> <li>• Sh. Vinod Kumar, XEN Irrigation Ambala not submitted report regarding storage capacity increase.</li> <li>• Sh. Dinesh Gava, EE, PHED, Ambala City, Sh. S.K. Nagpal, XEN, PHED, Ambala Cantt and Sh. Virender Singh, XEN, MC Ambala not submitted report regarding providing sewages in unsewered area of unapproved colonies.</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no1, 2, 3, 4, 5, 7, 8, 10, 12, 14, 15, 17, 18, 19 and 21 have not been submitted.</p>

3.	Kurukshetra	Submitted	<p><b>Name of defaulting officer as per report of DSTF</b></p> <ul style="list-style-type: none"> <li>• Sh. Krishan Kumar, Executive Engineer, Irrigation, Kurukshetra not submitted report regarding flow of drains and dredging and de-silting of drains</li> <li>• Sh. Arvind Rohila, Executive Engineer, PHED, Kurukshetra and Sh. B.N. Bhatti, EO, Thanesar MC, Kurukshetra not submitted report regarding providing sewages in unsewer area of unapproved colonies.</li> <li>• Sh. Arvind Rohila, Executive Engineer, PHED, Kurukshetra Shahbad, and Pehowa not submitted report regarding plan for laying of sewerage in approved colonies and action Plan for STPs.</li> <li>• Sh. B.N. Bhatti, EO, Thanesar MC, Kurukshetra not submitted report regarding plan for integrated solid Waste Management (ISWM), plan for Plastic Waste Management, open defecation, disposal by sewages through tankers by private party.</li> <li>• Sh. Mukesh Kumar, Assistant Soil Conservation officers, Kurukshetra and Pardeep Meel, DDA, Agriculture, Kurukshetra not submitted report regarding Agriculture practices.</li> <li>• Sh. Krishan Kumar, Executive Engineer, Irrigation, Kurukshetra not submitted report regarding storage capacity increase</li> <li>• Sh. Virender Gill, DFO, Kurukshetra not submitted report regarding greenery development plan</li> <li>• Smt. Sunita Devi, DEO, Kurukshetra not submitted report regarding involvement of civil society/awareness.</li> <li>• Dr. Sukhbir Mehla, not submitted report regarding health camps.</li> <li>•</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 1, 2, 3, 4, 5, 6, 7, 10, 12, 14, 15, 16, 17, 18, 19, 20 and 21 have not been submitted.</p>
4.	Jind	Submitted	<p><b>Name of defaulting officer as per report of DSTF</b></p> <ul style="list-style-type: none"> <li>• Sh. Sanjay Sharma, PHED, Jind and Sh. Bhupender Singh, XEN, HSVP, Jind not submitted report regarding action plan for proposed STPs.</li> <li>• Sh. Dr. Arvind, EO, MC, Narwana, Sh. Naveen, EO, MC, Jind, Sh. Balraj, EO, MC, Jind, Sh. Mahabir, MC, Uchana, Sh. Umed Singh, MC, Safidon, Sh. Parveen Kumar, Mc, Safidon report not submitted regarding plan for integrated solid waste management (ISWM).</li> <li>• Sh. Satish Garg, ME, ULBD, Jind not submitted report regarding plan for E-waste management.</li> <li>• Sh. Dr. Arvind, EO, MC, Narwana, Sh. Mahabir, MC, Uchana, Sh. Umed Singh, MC, Uchana, Sh. Parveen Kumar, Mc, Safidon, Sh. Satish Garg, ME, ULBD, Jind, Sh. Umed Singh, MC, Uchana, not submitted report regarding plastic challan and plan for plastic waste management.</li> <li>• Sh. Surender Malik, DDA, Jind not submitted report regarding agriculture practices, crop diversification/inter cropping, water efficient agriculture practices.</li> <li>• Sh. Bhupender Singh, XEN, HSVP Jind and Sh. Satish Garg, MC, ULBD, Jind not submitted report</li> </ul>

			<p>regarding greenery development plan.</p> <ul style="list-style-type: none"> <li>• Sh. Sanjay Sharma, XEN, PHED Jind and Satish Garg, ME, ULBD, Jind not submitted report regarding septage management/disposal by sewages through tankers.</li> <li>• Dr. Ajay Goel and Dr. S.S. Pooniya, President IMA, Jind not submitted report regarding health camps.</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 7, 8, 10.1, 10.3, 10.5, 12, 14, 14.1,14.2, 14.3, 15, 16, 19, 19.1, 19.2, 20, 21, 24 and 26 have not been submitted.</p>
5.	Kaithal	Submitted	<p><b>Name of defaulting officer as per report of DSTF</b></p> <ul style="list-style-type: none"> <li>• Sh. Karanbeer, Executive Engineer, Division no. 1 and 2 PHED Kaithal not submitted report regarding disposal of sludge.</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 10.5, have not been submitted.</p>
6.	Fatehabad	Submitted	<p><b>Name of defaulting officers as per report of DSTF:-</b></p> <ul style="list-style-type: none"> <li>• Sh. Raghuvir Singh, DFO, Fatehabad, and Sh. Vinay Lohan, XEN, Horticulture not submitted report regarding greenery development plan.</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 6, 8, 10, 10.2.1, 10.5, 21 and 26 have not been submitted.</p>
7.	Hisar	Submitted	<p><b>Name of defaulting officers as per report of DSTF:-</b></p> <ul style="list-style-type: none"> <li>• Sh. Ramesh Kumar, XEN, Hisar not submitted the report regarding dredging and de-silting of drains.</li> </ul> <p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 6, 7, 10, 10.3, 14, 16 and 21 have not been submitted.</p>
8.	Sirsa	Submitted	<p><b>Deficiencies observed in the ATR:-</b> The Action taken for various points of the action plan for point no. 26 have not been submitted.</p>

All the Deputy Commissioners and Regional Officers have been asked to look into the matter personally and ensure to send the correct report for September, 2019.

**2. Whether the State level STF has furnished and submitted its three monthly action taken report to the CPCB, New Delhi?**

The State level STF has furnished and submitted its three monthly action taken report submitted for 1<sup>st</sup> quarter and 2<sup>nd</sup> quarter to Executive Committee.

**3. Whether the reports of District/ States STFs have been uploaded on the website of State Pollution Control Board?**

Yes

**4. Whether the Monitoring the point sources into River Ghaggar with regard to parameters like ph, DO, BOD, T. coli, F. coli, conductivity, Boron and DBU based on the analysis results of each pollution source into River Ghaggar has been carried out? If so, the analysis results thereof.**

The status is enclosed at **Annexure-A**

**5. List of Towns which have not provided STP's as per the time schedule mentioned in the action plan.**

The status is enclosed at **Annexure-B**.

**6. Percentage of the work done regarding installation of STPs of towns as per the time schedule mentioned in the action plan.**

The status of each under construction STP is enclosed at **Annexure-B**.

**7. List of industries presently discharging effluent into River Ghaggar.**

New list has not been provided and the old list has already been submitted in April, 2019.

**8. List of industries which have stopped discharging effluent directly/indirectly in River Ghaggar.**

NIL

**9. List of defaulting industries to whom notices/ direction have been issued.**

No industry inspected in the month of September, 2019.

**10. List of industries against whom legal action has been taken. If no action taken, reason thereof.**

Same as above in **Sr. No. 9**.

**11. Besides industries, any other sources where violations were observed and status of legal action taken against these violators.**

NIL

**12. Quality of water of river Ghaggar in terms of parameters like ph, DO, BOD, T. coli, F. coli, conductivity, Baron at every entry and every exit point of the respective State.'**

The Sr. No. 1 of Annexure- 1 represent entry point and Sr. No. 74 of Annexure-A represent exit point of River Ghaggar.

**13. How many ground water samples along the catchment area of river Ghaggar have been taken and analyzed in each month? What are the results of the analysis of such samples?**

NIL

**14. How many Health Camps events involving civil societies have been organized in each month in the vicinity of the river Ghaggar.**

Sr. No.	Name of Task Force	No. of Health Camp	Remarks
1.	Panchkula	0	Not submitted
2.	Ambala	1	72 patients at village Lohgarh, examined.
3.	Kurukshetra	0	Not submitted
4.	Jind	0	Not submitted
5.	Kaithal	2	Total 31 patients at village Bhallen and 55 patients at village Ratta Khera examined.
6.	Fatehabad	0	Not submitted
7.	Hisar	4	116 patients at village Mahavir colony Hisar, 274 patients at village UPHC Patel Nagar, and 392 patients at village UPHC char qutab Gate and 324 patients at village Bhatia Dharamsala Dhola sai mandir goal kothi UPHC Rishi Nagar examined.
8.	Sirsa	0	Not submitted.
	<b>Total</b>	<b>7</b>	

## Quality of water of river Ghaggar during September, 2019

Results of water samples collected from drains/Rivers													
Panchkula Region													
1	<b>Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab.</b>												
	<b>Date of sample collection</b>	<b>A/R No. &amp; date</b>	<b>PH</b>	<b>BOD mg/l</b>	<b>COD mg/l</b>	<b>TSS mg/l</b>	<b>O &amp; G mg/l</b>	<b>Ammonical Nitrogen (as N) mg/l</b>	<b>DO mg/l</b>	<b>Faecal Coliform</b>	<b>Total Coliform</b>	<b>Conductivity</b>	<b>B (Boron</b>
	05.09.2019	1307, 24.09.2019	7.86	4	19.6	7	BDL	BDL					
2	<b>Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab.</b>												
	05.09.2019	1305, 24.09.2019	7.85	8	34	110	BDL	BDL					
3	<b>Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab.</b>												
	05.09.2019	1306, 24.09.2019	7.79	14	56.8	82	BDL	BDL					
4	<b>Ghail drain at Samaspur, Ambala</b>												
	05.09.2019	1297, 19.09.2019	7.18	65	247.2	90	4	16.8					
5	<b>Ghaggar River after mixing Ghail Drain at Samaspur (Ambala)</b>												
	05.09.2019	1298, 19.09.2019	7.84	18	102.8	212	BDL	BDL					
6	<b>Ghaggar River before mixing Ghail drain at Samaspur (Ambala)</b>												
	05.09.2019	1299, 19.09.2019	7.86	7.5	28.8	124	BDL	BDL					
7	<b>Mahesh Nagar Drain, G.T Road, Mahesh Nagar, Ambala Cantt</b>												
	05.09.2019	1304, 19.09.2019	7.45	62	214.8	34	4	20.16					
8	<b>Ambala Drain near Motor Market, Ambala City</b>												
	05.09.2019	1303, 19.09.2019	7.15	78	276.4	72	8.5	17.92					
9	<b>Singh Nallah choe before meeting slaughter house ph-1, Panchkula</b>												
	05.09.2019	1318, 24.09.2019	7.52	90	310	124	5	20.72					
10	<b>MDC Drain before meeting manimajra domestic effluent, Sector-18, Panchkula</b>												
	05.09.2019	1327, 24.09.2019	7.11	110	364.4	168	9	16.24					

11	<b>MDC Drain after meeting manimajra domestic effluent, Sector-18, Panchkula</b>												
	05.09.2019	1328, 24.09.2019	7.08	52	176	108	7	19.6					
12	<b>Manimajra domestic effluent before meeting MDC drains, near Sector-18, Panchkula</b>												
	05.09.2019	1329, 24.09.2019	7.51	48	164	78	6.5	18.48					
13	<b>Sarswati drain before discharge of M/s Sainsons Paper Mills,</b>												
	09.09.2019	1343, 25.09.2019	7.26	15	54	70	BDL	-					
	<b>Drains of Punjab</b>												
14	<b>Ghaggar River after meeting Sukhna Choe at Vill- Bhankarpur, Punjab</b>												
	05.09.2019	1308, 24.09.2019	7.65	30	123.6	114	BDL	BDL					
15	<b>Sukhna choe at Vill- Bhankarpur, Punjab</b>												
	05.09.2019	1309, 24.09.2019	7.88	64	229.2	112	4	23.52					
16	<b>Ghaggar River before meeting Sukhna Choe at Vill- Bhankarpur, Punjab</b>												
	05.09.2019	1310, 24.09.2019	7.82	6	27.2	190	BDL	BDL					
17	<b>Ghaggar River before meeting Derabassi Drain near Vill- Bakarpur (Punjab) (Upstream)</b>												
	05.09.2019	1287, 19.09.2019	7.87	7	35.2	120	BDL	BDL					
18	<b>Derabassi drain near Vill- Bakarpur (Punjab).</b>												
	05.09.2019	1288, 19.09.2019	7.24	46	182	59	3	8.4					
19	<b>Ghaggar River after meeting Derabassi near Vill- Bakarpur (Punjab).</b>												
	05.09.2019	1289, 19.09.2019	7.83	18	80.4	164	BDL	BDL					
20	<b>Ghaggar River before meeting Basauli Choe at Vill- Tepla (Punjab)</b>												
	05.09.2019	1293, 19.09.2019	7.85	8	47.2	218	BDL	BDL					
21	<b>Bassauli Choe at vill. Tepla (Punjab)</b>												
	05.09.2019	1294, 19.09.2019	7.45	110	355.6	114	8.5	22.96					
22	<b>Ghaggar River after meeting Basauli Choe at Vill- Tepla (Punjab)</b>												
	05.09.2019	1295, 19.09.2019	7.74	24	102	120	2	4.48					
23	<b>Ghaggar river before meeting Jharmal Choe at Vill- Tiwana (Punjab)</b>												
	05.09.2019	1290, 19.09.2019	7.81	6.5	29.6	122	BDL	BDL					
24	<b>Jharmal Choe at Vill- Tiwana (Punjab)</b>												
	05.09.2019	1291, 19.09.2019	7.46	115	355.2	172	12.5	25.2					
25	<b>Ghaggar River after mixing Jharmal Choe, At- Vill- Tiwana, (Punjab)</b>												
	05.09.2019	1292, 19.09.2019	7.85	50	172	123	4	BDL					

26	<b>Ghaggar River after mixing Pachis Draha drain at Sarala khurd (Patiala).</b>												
	05.09.2019	1300, 19.09.2019	7.82	23	128	208	BDL	BDL					
27	<b>Pachis Draha drain at Vill- Sarala Khurd (Patiala).</b>												
	05.09.2019	1301, 19.09.2019	7.15	58	223.6	78	4	19.04					
28	<b>Ghaggar River before mixing Pachis Draha drain at Vill- Sarala Khurd (Patiala).</b>												
	05.09.2019	1302, 19.09.2019	7.82	10	46.4	312	BDL	BDL					
29	<b>Gandha Nallah, Vill- Bhankarpur, Mohali before meeting River Ghaggar</b>												
	05.09.2019	1326, 24.09.2019	7.25	80	281.2	114	7.5	13.44					
30	<b>Storm Water drain containing effluent of Baltana, Dhakoli &amp; Army area of zirakpur at Vill- Dhakoli,Punjab(Behind D-block Krishna enclave)</b>												
	05.09.2019	1314, 24.09.2019	7.28	65	267.6	130	3.5	16.24					
31	<b>Sukhna choe after meeting effluent from Ch., I.A ., Baltana effleunt, other colonies of chandigarh and punjab etc., near. I.A, Chandigarh</b>												
	05.09.2019	1316, 24.09.2019	7.82	72	266	116	4.5	15.12					
32	<b>Outlet of Baltana before meeting Sukhna Choe</b>												
	05.09.2019	1330, 24.09.2019	7.33	90	296	106	10	16.8					
33	<b>Sukhna choe near Raipur Kalan and Makhanmajra before meeting MDC drain</b>												
	05.09.2019	1331, 24.09.2019	7.09	115	380	264	12	24.64					
<b>Drains of Chandigarh</b>													
34	<b>Outlet of Chandigarh domestic effluent near Bapudham colony, Chandigarh.</b>												
	05.09.2019	1324, 24.09.2019	7.95	102	385.2	1110	6	22.4					
35	<b>Industrial Area drain after meeting treated domestic effluent of STP at Raipur khurd Chandigarh.</b>												
	05.09.2019	1322, 24.09.2019	7.52	95	314	91	5	15.68					
<b>Drains of Himachal Pradesh</b>													
36	<b>Upstream of Markanda river at Kala Amb.</b>												
	05.09.2019	1286, 19.09.2019	7.87	4	28.4	270	BDL	BDL					
37	<b>Downstream of Markanda river after mixing Jatton wala Nallah at Chambel majri bridge, Sadhara Naraingarh Road (Station Code- 1884)</b>												
	05.09.2019	1284, 19.09.2019	7.82	13	76.8	260	-	BDL					
38	<b>Jatton Wala Nallah coming from Himachal Pradesh Industries near Kala Amb</b>												



	05.09.2019	1285, 19.09.2019	7.2	110	389.2	232	14	17.36					
39	<b>Sirsa River, Nawan Nagar, Kalka, Panchkula.</b>												
	05.09.2019	1332, 24.09.2019	7.67	3.5	24	34	BDL	BDL					
40	<b>Sukhna Nallah coming from Himachal Pradesh Industries and domestic effluent of Parwanoo Town at Parwanoo Barrier(H.P) near Kalka Haryana.</b>												
	05.09.2019	1335, 24.09.2019	7.33	60	230	202	4.5	18.48					
41	<b>Bargodam Nallah, Village- Bar, Panchkula</b>												
	05.09.2019	1334, 24.09.2019	7.46	35	120	80	BDL	20.16					
42	<b>Baldkhad, Near Baddi Barrier, Panchkula</b>												
	05.09.2019	1337, 24.09.2019	7.24	40	144	90	BDL	19.04					
43	<b>Burajkottian Zone, Panchkula</b>												
	05.09.2019	1336, 24.09.2019	7.63	6	32	65	BDL	BDL					
<b>NWMP</b>													
44	<b>Brahma Sarovar, Distt- Kurukshetra (Station Code-1349)</b>												
	09.09.2019	1342, 25.09.2019	7.66	1.5	14	BDL	-	BDL					
45	<b>Sarswati Drain at Pratapgarh, Kurukshetra</b>												
	09.09.2019	1346, 25.09.2019	7.4	12	34.4	12	BDL	BDL					
46	<b>Saraswati Drain at Pehowa, Kurukshetra (Ambala Bridge)</b>												
	09.09.2019	1345, 25.09.2019	7.31	13	68	49	BDL	-					
47	<b>Sarswati drain before entering into pehowa near village- Sainson</b>												
	09.09.2019	1344, 25.09.2019	7.15	7	29.2	26	BDL	-					
<b>Jind Region</b>													
48	<b>Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76°25.974' and Latitude 30°07.695')</b>												
	<b>Date of sample collection</b>	<b>A/R No. &amp; date</b>	<b>PH</b>	<b>BOD mg/l</b>	<b>COD mg/l</b>	<b>TSS mg/l</b>	<b>O &amp; G mg/l</b>	<b>Ammonical Nitrogen (as N) mg/l</b>	<b>DO mg/l</b>	<b>Faecal Coliform</b>	<b>Total Coliform</b>	<b>Conductivity</b>	<b>B (Boron</b>
	26.09.19	242 dt.07.10.19	8.5	90	168	75	4	32	2.9	77000	360000	3110	

49	<b>Markanda River Bhagal Bridge. (Longitude 76°26.218' and Latitude 30°05.025')</b>													
	26.09.19	243 dated 07.10.19	8.4	60	160	38	5	20	3.1	320000	690000	2760		
50	<b>Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76°22.571' and Latitude 30°05.410')</b>													
	26.09.19	244 dated 07.10.19	8.4	120	104	40	5	26	0.7	63000	480000	3040		
51	<b>Ghaggar River before mixing, Patiala Nadi at Vill. Bhatia. (Longitude 76°14.696' and Latitude 30°04.717')</b>													
	26.09.19	245 dated 07.10.19	8.5	70	168	160	8	45	3.2	220000	630000	3630		
52	<b>Patiala River before mixing River Ghaggar at Village Saparheri.(Longitude 76°14.610' and Latitude 30°04.759')</b>													
	26.09.19	246 dated 07.10.19	8.4	110	112	85	5	35	1.3	110000	560000	2730		
53	<b>Ghaggar River after mixing of Patiala Nadi at Village Ratanheri. (Longitude 76°14.542' and Latitude 30°04.645')</b>													
	26.09.19	247 dated 07.10.19	8.3	96	120	105	3	48	1.5	420000	860000	2980		
54	<b>Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76°10.173' and Latitude 29°54.305')</b>													
	26.09.19	248 dated 07.10.19	8.5	135	104	120	6	50	0.6	210000	630000	3370		
55	<b>Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76°11.249' and Latitude 29°52.976')</b>													
	26.09.19	249 dated 07.10.19	8.1	90	128	70	5	36	1.2	96000	300000	3080		
56	<b>Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76°10.135' and Latitude 29°53.548')</b>													
	26.09.19	250 dated 07.10.19	8.3	70	112	68	3	34	2.7	360000	960000	2730		
57	<b>River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75°00.061' and Latitude 29°50.754')</b>													
	26.09.19	230 dated 07.10.19	8.2	76	216	90	12	38	1.6	63000	360000	3370		

58	<b>Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76°06.831' and Latitude 29°50.731')</b>											
	26.09.19	231 dated 07.10.19	8.4	48	208	112	8	34	2.4	130000	690000	3410
59	<b>Water sample from point between mixing point of Kaithal drain and mixing point of discharge of Khanauri</b>											
	26.09.19	234 dated 07.10.19	8.3	90	256	100	14	34	1.4	96000	260000	3390
60	<b>Discharge of Khanauri Town in River Ghaggar. (Longitude 76°06.674' and Latitude 29°50.681')</b>											
	26.09.19	232 dated 07.10.19	8.4	96	192	90	6	20	1.1	56000	210000	3440
61	<b>River Ghaggar before mixing point of Khanauri drain</b>											
	26.09.19	235 dated 07.10.19	8.2	96	192	70	8	32	1.7	66000	560000	3380
62	<b>River Ghaggar after mixing Kaithal Darin into River Ghaggar. (Longitude 76°06.663' and Latitude 29°50.723')</b>											
	26.09.19	233 dated 07.10.19	8.4	110	176	120	10	29	0.9	24000	320000	3485
63	<b>River Ghaggar before meeting discharge of Moonak Town. (Longitude 75°53.763' and Latitude 29°48.503')</b>											
	26.09.19	236 dated 07.10.19	8.3	80	160	95	7	25	2.2	12000	660000	3422
64	<b>Discharge of Moonak Town into River Ghaggar. (Longitude 75°53.729' and Latitude 29°48.510')</b>											
	26.09.19	237 dated 07.10.19	8.4	70	864	70	6	35	1.3	360000	960000	3380
65	<b>River Ghaggar after meeting discharge of Moonak Town with River Ghaggar. (Longitude 75°53.702' and Latitude 29°48.515')</b>											
	26.09.19	238 dated 07.10.19	8.4	90	176	55	3	32	0.9	110000	480000	2710
66	<b>River Ghaggar before meeting Jhambuwalli Choe at Village Chandu. (Longitude 75°00.100' and Latitude 29°49.736')</b>											
	26.09.19	239 dated 07.10.19	8.5	60	312	38	2	28	2.7	250000	770000	2940

67	<b>Discharge of Jhambuwali Choe at Village Chandu. (Longitude 75°00.061' and Latitude 29°49.794')</b>												
	29.09.19	240 dated 07.10.19	8.4	110	56	42	5	27	2.9	96000	480000	3050	
68	<b>River Ghaghar after meeting Jhambuwali Choe at Village Chandu. (Longitude 75°59.989' and Latitude 29°49.717')</b>												
	26.09.19	241 dated 07.10.19	8.4	120	128	90	8	36	1.3	110000	300000	3370	
<b>Hisar Region</b>													
69	<b>Discharge of Sardulgarh town</b>												
	<b>Date of sample collection</b>	<b>A/R No. &amp; date</b>	<b>PH</b>	<b>BOD mg/l</b>	<b>COD mg/l</b>	<b>TSS mg/l</b>	<b>O &amp; G mg/l</b>	<b>Ammonical Nitrogen (as N) mg/l</b>	<b>DO mg/l</b>	<b>Faecal Coliform</b>	<b>Total Coliform</b>	<b>Conductivity</b>	<b>B (Boron</b>
	02.09.19	185, 11.09.19	9.2	21	104	40	4	18	2.8	21000	77000	1522	ND
70	<b>Ghaggar GH-1 at road bridge, Sirsa- Dabwali Road</b>												
	02.09.19	187, 11.09.19	8.9	28	96	70	2	26	4	63000	170000	1438	ND
71	<b>Ghaggar Ottu Weir</b>												
	02.09.19	188, 11.09.19	9.1	22	72	40	4	20	5.2	560000	1E+06	1445	ND
72	<b>Ghaggar GH-2 at Chandpur Syphen</b>												
	02.09.19	186, 11.09.19	8.9	30	88	60	6	24	2.2	96000	560000	1880	ND
73	<b>Ghaggar before ottu weir (before mixing with Satluj canal water)</b>												
	19.09.19	218, 27.09.19	8.7	70	104	140	-	20	1.9	38000	210000	1763	
74	<b>Ellenabad drain discharge of PHED STP Ellenabad, 7.5 MLD, Sirsa into River Ghaggar, Latitude- 29°29.710 Longitude- 74°43.562</b>												
	19.09.19	221, 27.09.19	8.7	43	72	90	4	22	3.1	65000	770000	1758	

## List of under construction STPs

Sr.No.	Name of the district	Name of the town/city	Deptt.	capacity (MLD)	Date of Completion of construction
1	Ambala	Barara	PHED	4	16.08.2017(old) 30.10.2019 (New)
2	Jind	Jind	PHED	7	01.01.2018 (old) 30.11.2019 (New)
3	Kurukshetra	Sec-6, Urban Estate, Thanesar	HSVP	15	30.04.2019 (Old) 31.03.2020 (New)
4	Ambala	Sec-21 Urban Estate, Ambala City	HSVP	5	30.04.2019 (Old) 31.12.2019(New)
5	Ambala Cantt	12 Cross Road	ULB	12	November, 2019
6	Ambala Cantt	Village Nagal	ULB	12	November, 2019
7	Panchkula	Khagesara & Taka	ULB	0.5	December, 2019
8	Panchkula	Nangal & Allipur	ULB	0.5	December, 2019
9	Panchkula	Khatoli	ULB	0.75	December, 2019
10	Panchkula	Kot	ULB	0.75	December, 2019
11	Panchkula	Billa	ULB	0.75	December, 2019
12	Panchkula	Sukhdarshanapur	ULB	0.75	December, 2019
13	Panchkula	Ramgarh	ULB	1	December, 2019
14	Panchkula	Tipra (Khanguwala)	ULB	1	December, 2019
15	Panchkula	Saketri	ULB	1.5	December, 2019
16	Hisar	Village Dabra	ULB	8	
	<b>Total</b>			<b>70.5</b>	