



HSPCB

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph. 0172-2577870-73
E-mail:hspcbho@gmail.com

No. HSPCB/WC/ 9765

Dated:- 08-11-2019

To

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

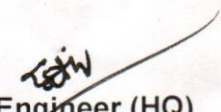
Sub: compiled monthly ATR for the month of August, 2019 to the Executive Committee appointed in matter of OA No. 138/2016 Stench Grips Mansa's Sacred River Ghaggar.

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 August, 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 August, 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 August, 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?

Sr. No.	Name of Task Force	Status of report	Remarks
1.	Panchkula	Sub mitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. Jarnail Singh, EO, MC, Panchkula not submitted report regarding open defecation and disposal by sewage through tankers by private party. • Dr. Yogesh Sharma, Civil Surgeon, Panchkula not submitted report regarding Health Camps <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 3, 17 and 20 have not been submitted.</p>
2	Ambala	Submitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. Ankit, Soil, Conservation Officer, Naraingarh and Sh. Girish Nagpal, DDA, Agriculture, Ambala not submitted the report regarding Agriculture practices. • Sh. Vinod Kumar, Xen, Irrigation Ambala not submitted the report regarding storage capacity increase. • Sh. Virender Singh, EO, MC, Ambala not submitted report regarding open defecation and disposal by sewage through tankers by private party. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 3, 4, 17 have not been submitted.</p>
3.	Kurukshetra	Submitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. K.S. Sheoran, Panchayat Raj and Sh. B. N. Bhatti, EO, MC, Thanesar, Kurukshetra not submitted report regarding identification of sources of pollution having out fall in drain. • Sh. Krishan Kumar, EE, Irrigation Kurukshetra not submitted report regarding Dredging and de-silting of drains and storage capacity increase. • Sh. Arvind Rohila, XEN, PHED, Pehowa, Shahbad and Sh. B.N. Bhatti, EO, MC, Kurukshetra not submitted report regarding providing sewerage in unsewered area of unapproved colonies. • Sh. Arvind Rohila, XEN, PHED, Pehowa not submitted report regarding laying for sewerage in approved colonies along river Ghaggar. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 3, and 17 have not been submitted.</p>
4.	Jind	Submitted	<p>Name of defaulting officer as per report of DSTF Sh. Dharmbir Singh Mor, XEN, Irrigation, Jind not submitted report regarding de-silting of drains.</p> <ul style="list-style-type: none"> • Sh. Sanjay Sharma, XEN, PHED Jind not submitted report regarding interception of sewerage in unsewered area. • Sh. Bhupinder Singh, XEN, HSVP, Jind not submitted the report regarding plan for laying of

			<p>sewage in approved colonies.</p> <ul style="list-style-type: none"> • Sh. Sanjay Sharma, XEN, PHED Jind not submitted report regarding disposal of sludge, increasing the water storage capacity. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no10.4, 10.5, 12, 14, 25 and 26 have not been submitted.</p>
5.	Kaithal	Submitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. Karamvir singh, EE, Division no. 1, PHED kaithal not submitted report regarding estimation of sewerage, plan for laying of sewerage, action plan for existing STPs, STP sludge, Septage management/disposal by sewages through tankers. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 10.5, 22 and 26 have not been submitted.</p>
6.	Fatehabad	Submitted	<p>Name of defaulting officers as per report of DSTF:-</p> <ul style="list-style-type: none"> • Sh. Jitender EO, MC, Fatehabad, Sh. Vinod Nehra, EO, MC, Tohana, Sh. Pankaj, Secretary, Tohana, Sh. Surender kumar, Secretary, MC, Raita not submitted report regarding plan for integrated solid waste management (ISWM). • Sh. Raghuvir Singh, DFO, Fatehabad, and Sh. Vinay Lohan, XEN, Horticulture not submitted report regarding greenery development plan. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 10.5, 19.1, 19.2, 22 and 25 have not been submitted.</p>
7.	Hisar	Submitted	<p>Name of defaulting officers as per report of DSTF:-</p> <ul style="list-style-type: none"> • Sh. Harikrishan Sharma, EE, MC, Hisar, Sh. Nitin Vats, Secretary, MC, Narnaud, Sh. Rajender Soni, Secretary, MC, Barwala, Sh. Sandeep Kumar, Secretary, MC, Uklana not submitted report regarding interception of sewage in unsewered area of unapproved colonies. • Sh. Sunil Ranga, XEN, and Sh. Sanjeev Tyagi, XEN, PHED, hisar not submitted report regarding action plan for existing STPs. • Sh. Vinay Lohan, XEN, HSVP, Hort. Division Hisar not submitted report regarding greenery development plan. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 10.5, 25 and 26 have not been submitted.</p>
8.	Sirsa	Submitted	<p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 10.4 and 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 August, 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 1st quarter and 2nd 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 August, 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. 79 represents the exit point.

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

Abstract of Ground Water Samples (Ghaggar) in the month of August, 2019

Sr. No.	District	No. of Ground water samples collected in the month of August, 2019	No. of Complying	No. of non-complying samples
1	Panchkula	7	7	0
2	Ambala	7	7	0
3	Kurukshetra	0	0	0
4	Kaithal	2	2	0
5	Jind	0	0	0
7	Fatehabad	0	0	0

8	Hisar	0	0	0
9	Sirsa	0	0	0
	Total	16	16	0

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	3	156 patients at village Dadiyana, 43 patient's shahpur and 66 patients at village Ghasitpur examined.
3.	Kurukshetra	0	Not submitted
4.	Jind	6	Total no. of patients not submitted.
5.	Kaithal	2	Total 36 patients at village Nandgarh and 55 patients at village Kaushal Majra examined.
6.	Fatehabad	2	92 patients at village Alike and 114 patients at village Sandhanwas examined.
7.	Hisar	0	Not submitted.
8.	Sirsa	2	Total no. of patients not submitted.
	Total	15	

Quality of water of river Ghaggar during August, 2019

Results of water samples collected from drains/Rivers													
Panchkula Region													
1	Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab.												
	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron
	07.08.2019	1141, 21.08.2019	7.4	7	35.2	316	BDL	BDL					
2	Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab.												
	07.08.2019	1142, 21.08.2019	7.26	6	25.6	282	BDL	BDL					
3	Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab.												
	07.08.2019	1143, 21.08.2019	7.54	10	47.2	12	BDL	BDL					
4	Ghail drain at Samaspur, Ambala												
	07.08.2019	1133, 19.08.2019	6.99	40	197.2	112	2.5	BDL					
5	Ghaggar River after mixing Ghail Drain at Samaspur (Ambala)												
	07.08.2019	1134, 19.08.2019	7.53	10	52	274	BDL	BDL					
6	Ghaggar River before mixing Ghail drain at Samaspur (Ambala)												
	07.08.2019	1135, 19.08.2019	7.25	5	25.2	314	BDL	BDL					
7	Mahesh Nagar Drain, G.T Road, Mahesh Nagar, Ambala Cantt												
	07.08.2019	1140, 19.08.2019	7.24	70	257.6	143	10	17.92					
8	Ambala Drain near Motor Market, Ambala City												

	07.08.2019	1139, 19.08.2019	7.13	74	265.6	167	12.5	19.6					
9	Singh Nallah choe before meeting slaughter house ph-1, Panchkula												
	07.08.2019	1154, 21.08.2019	7.15	46	172.8	182	3.5	23.52					
10	MDC Drain before meeting manimajra domestic effluent, Sector-18, Panchkula												
	07.08.2019	1163, 21.08.2019	7.04	70	272.4	110	6	16.24					
11	MDC Drain after meeting manimajra domestic effluent, Sector-18, Panchkula												
	07.08.2019	1164, 21.08.2019	7.16	66	244	126	6.5	19.6					
12	Manimajra domestic effluent before meeting MDC drains, near Sector-18, Panchkula												
	07.08.2019	1165, 21.08.2019	7.06	58	208.4	94	6	23.52					
13	Sarswati drain after discharge of M/s Sainsons Paper Mills,												
	07.08.2019	1173, 21.08.2019	7.14	20	116	53	BDL	13.44		-			
Drains of Punjab													
14	Ghaggar River after meeting Sukhna Choe at Vill- Bhankarpur, Punjab												
	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron
	07.08.2019	1144, 21.08.2019	7.52	12	48.4	360	BDL	BDL					
15	Sukhna choe at Vill- Bhankarpur, Punjab												
	07.08.2019	1145, 21.08.2019	7.16	65	195.6	196	7	26.32					
16	Ghaggar River before meeting Sukhna Choe at Vill- Bhankarpur, Punjab												
	07.08.2019	1146, 21.08.2019	7.26	6	22.8	490	BDL	BDL					
17	Ghaggar River before meeting Derabassi Drain near Vill- Bakkarpur (Punjab) (Upstream)												
	07.08.2019	1123, 19.08.2019	7.38	4.5	16.4	380	BDL	BDL					

18	Derabassi drain near Vill- Bakkarpur (Punjab).											
	07.08.2019	1124, 19.08.2019	7	35	142	56	BDL	7.28				
19	Ghaggar River after meeting Derabassi near Vill- Bakkarpur (Punjab).											
	07.08.2019	1125, 19.08.2019	7.65	8	38	278	BDL	BDL				
20	Ghaggar River before meeting Basauli Choe at Vill- Tepla (Punjab)											
	07.08.2019	1129, 19.08.2019	7.36	6	49	390	BDL	BDL				
21	Basauli Choe at vill. Tepla (Punjab)											
	07.08.2019	1130, 19.08.2019	7.11	75	304	174	4	18.48				
22	Ghaggar River after meeting Basauli Choe at Vill- Tepla (Punjab)											
	07.08.2019	1131, 19.08.2019	7.48	8	40.8	310	BDL	BDL				
23	Ghaggar river before meeting Jharmal Choe at Vill- Tiwana (Punjab)											
	07.08.2019	1126, 19.08.2019	7.47	5	40	360	BDL	BDL				
24	Jharmal Choe at Vill- Tiwana (Punjab)											
	07.08.2019	1127, 19.08.2019	7.04	44	188.4	268	2.5	12.88				
25	Ghaggar River after mixing Jharmal Choe, At- Vill- Tiwana, (Punjab)											
	07.08.2019	1128, 19.08.2019	7.45	9	48.4	384	BDL	BDL				
26	Ghaggar River after mixing Pachis Draha drain at Sarala khurd (Patiala).											
	07.08.2019	1136, 19.08.2019	7.46	4.5	18	290	BDL	BDL				
27	Pachis Draha drain at Vill- Sarala Khurd (Patiala).											
	07.08.2019	1137, 19.08.2019	7.14	60	273.6	110	4	12.32				
28	Ghaggar River before mixing Pachis Draha drain at Vill- Sarala Khurd (Patiala).											
	07.08.2019	1138, 19.08.2019	7.39	4	19.6	324	BDL	BDL				
29	Gandha Nallah, Vill- Bhankarpur, Mohali before meeting River Ghaggar											

	07.08.2019	1162, 21.08.2019	7.11	80	282.4	198	7.5	21.84					
30	Storm Water drain containing effluent of Baltana, Dhakoli & Army area of zirakpur at Vill-Dhakoli,Punjab(Behind D-block Krishna enclave)												
	07.08.2019	1150, 21.08.2019	7.06	45	160	164	4.5	20.16					
31	Sukhna choe after meeting effluent from Ch., I.A ., Baltana effleunt, other colonies of chandigarh and punjab etc., near. I.A, Chandigarh												
	07.08.2019	1152, 21.08.2019	7.19	70	253.6	102	7	21.28					
32	Outlet of Baltana before meeting Sukhna Choe												
	07.08.2019	1166, 21.08.2019	7.13	62	228.4	114	9	26.88					
33	Sukhna choe near Raipur Kalan and Makhanmajra before meeting MDC drain												
	07.08.2019	1167, 21.08.2019	7.12	60	206.4	122	7	24.64					
Drains of Chandigarh													
34													
	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron
	07.08.2019	1160, 21.08.2019	7.22	50	197.2	144	6.5	21.28					
35	Industrial Area drain after meeting treated domestic effluent of STP at Raipur khurd Chandigarh.												
	07.08.2019	1158, 21.08.2019	6.99	62	207.21	82	8	17.36					
Drains of Himachal Pradesh													
36	Upstream of Markanda river at Kala Amb.												
	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron
	07.08.2019	1169, 21.08.2019	7.74	4	26	310	BDL	BDL					

37	Downstream of Markanda river after mixing Jatton wala Nallah at Chambel majri bridge, Sadhara Naraingarh Road (Station Code- 1884)												
	07.08.2019	1183, 27.08.2019	7.69	7	43.6	82	-	BDL					
38	Jatton Wala Nallah coming from Himachal Pradesh Industries near Kala Amb												
	07.08.2019	1168, 21.08.2019	7.25	11	66.8	208	BDL	BDL					
39	Sirsa River, Nawan Nagar, Kalka, Panchkula.												
40	07.08.2019	1174, 21.08.2019	7.72	4.5	18	63	BDL	BDL					
	Sukhna Nallah coming from Himachal Pradesh Industries and domestic effluent of Parwanoo Town at Parwanoo Barrier(H.P) near Kalka Haryana.												
	07.08.2019	1177, 21.08.2019	7.71	10	62.4	334	BDL	BDL					
41	Bargodam Nallah, Village- Bar, Panchkula												
	Jun-18	Sample not collected											
42	07.08.2019	1176, 21.08.2019	7.19	20	112	80	BDL	19.6					
	Baldkhad, Near Baddi Barrier, Panchkula												
	07.08.2019	1179, 21.08.2019	7.56	7	36	382	BDL	BDL					
43	Burajkottian Zone, Panchkula												
	07.08.2019	1178, 21.08.2019	7.82	6	28.4	360	BDL	BDL					
NWMP													
44	Ghaggar River, Near Burjkotia, Panchkula(Station Code- 1885)												
	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron

	07.08.2019	1182, 27.08.2019	7.77	4	22	312	-	BDL					
45	Brahma Sarovar, Distt- Kurukshetra (Station Code-1349)												
	07.08.2019	1180, 27.08.2019	7.81	1.6	12.4	BDL	-	BDL					
46	Kaushalya lake, Surajpur, Panchkula (Code-1392)												
	07.08.2019	1181, 27.08.2019	7.18	3	20.4	94	-	BDL					
47	Sarswati Drain at Pratapgarh, Kurukshetra												
	07.08.2019	1170, 21.08.2019	7.69	12	102	58	BDL	BDL					
48	Saraswati Drain at Pehowa, Kurukshetra (Ambala Bridge)												
	07.08.2019	1171, 21.08.2019	7.16	28	140.4	68	2	20.16					
49	Sarswati drain before entering into pehowa near village- Sainson												
	07.08.2019	1172, 21.08.2019	7.48	22	120	86	BDL	16.24					
50	Rakshi Drain at Vill- Bariachpur Culvet, Ladwa, Kurukshetra.												
	20.08.2019	1214, 27.08.2019	7.06	12	48.8	27	BDL	-					
Jind Region													
51	Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76°25.974' and Latitude 30°07.695')												
	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron
	22.08.19	145 dt.03.09.19	8.7	12	56	60	4	30	5.2	180000	360000	1031	
52	Markanda River Bhagal Bridge. (Longitude 76°26.218' and Latitude 30°05.025')												
	22.08.19	146 dt. 03.09.19	8.8	18	48	40	4	18	665	65000	180000	1062	

53	Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76°22.571' and Latitude 30°05.410')												
	22.08.19	147 dt. 03.09.19	8.5	27	104	60	4	30	4.9	360000	1200000	1307	
54	Ghaggar River before mixing, Patiala Nadi at Vill. Bhatia. (Longitude 76°14.696' and Latitude 30°04.717')												
	22.08.19	148 dt. 03.09.19	8.7	38	96	50	6	50	4.2	63000	210000	879	
55	Patiala River before mixing River Ghaggar at Village Saparheri.(Longitude 76°14.610' and Latitude 30°04.759')												
	22.08.19	149 dt. 03.09.19	8.6	48	120	90	8	50	4.7	17000	110000	1021	
56	Ghaggar River after mixing of Patiala Nadi at Village Ratanheri. (Longitude 76°14.542' and Latitude 30°04.645')												
	22.08.19	150 dt. 03.09.19	8.7	46	168	110	10	60	3.2	86000	480000	1111	
57	Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76°10.173' and Latitude 29°54.305')												
	22.08.19	151 dt. 03.09.19	8.7	28	112	70	6	70	5	25000	580000	1461	
58	Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76°11.249' and Latitude 29°52.976')												
	22.08.19	152 dt. 03.09.19	8.7	32	136	80	4	30	4	63000	360000	1237	
59	Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76°10.135' and Latitude 29°53.548')												

	22.08.19	153 dt. 03.09.19	8.6	30	96	60	6	30	3.4	86000	670000	1110	
60	River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75°00.061' and Latitude 29°50.754')												
	22.08.19	133 dt. 03.09.19	8.7	22	56	60	6	18	4.1	77000	150000	1059	
61	Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76°06.831' and Latitude 29°50.731')												
	22.08.19	134 dt. 03.09.19	8.6	36	104	90	4	30	3.6	55000	390000	1058	
62	Water sample from point between mixing point of Kaithal drain and mixing point of discharge of Khanuri												
	22.08.19	137 dt. 03.09.19	8.5	22	120	80	5	12	4.8	670000	3000000	1067	
63	Disharge of Khanauri Town in River Ghaggar. (Longitude 76°06.674' and Latitude 29°50.681')												
	22.08.2019	135 dt. 03.09.2019	8.5	32	72	70	6	20	4.4	19000	500000	1060	
64	River Ghaggar before mixing point of Khanauri drain												
	22.08.2019	138 dt. 03.09.2019	8.7	30	48	50	4	26	4	110000	2500000	1038	
65	River Ghaggar after mixing Kaithal Darin into River Ghaggar. (Longitude 76°06.663' and Latitude 29°50.723')												
	22.08.2019	136 dt. 03.09.2019	8.7	22	112	40	4	40	4	180000	1300000	1064	

66	River Ghaggar before meeting discharge of Moonak Town. (Longitude 75°53.763' and Latitude 29°48.503')												
	22.08.2019	139 dt. 03.09.2019	8.6	27	96	70	4	30	4	210000	450000	1046	
67	Discharge of Moonak Town into River Ghaggar. (Longitude 75°53.729' and Latitude 29°48.510')												
	22.08.2019	140 dt. 03.09.2019	8.6	17	104	40	4	30	10	560000	1800000	1020	
68	River Ghaggar after meeting discharge of Moonak Town with River Ghaggar. (Longitude 75°53.702' and Latitude 29°48.515')												
	22.08.2019	141 dt. 03.09.2019	8.6	19	88	50	8	40	5.9	210000	410000	1036	
69	River Ghaggar before meeting Jhambuwali Choe at Village Chandu. (Longitude 75°00.100' and Latitude 29°49.736')												
	22.08.2019	142 dt. 03.09.2019	8.7	26	144	80	10	40	4	530000	690000	1017	
70	Disharge of Jhambuwali Choe at Village Chandu. (Longitude 75°00.061' and Latitude 29°49.794')												
	22.08.2019	143 dt. 03.09.2019	8.5	14	112	30	10	50	4	210000	480000	1024	
71	River Ghaggar after meeting Jhambuwali Choe at Village Chandu. (Longitude 75°59.989' and Latitude 29°49.717')												
	22.08.2019	144 dt. 03.09.2019	8.7	26	96	60	10	40	6.2	11000	380000	1012	
Hisar Region													
72	River Ghaggar before meeting discharge of Ratia.												

	Date of sample collection	A/R No. & date	PH	BOD mg/l	COD mg/l	TSS mg/l	O & G mg/l	Ammonical Nitrogen (as N) mg/l	DO mg/l	Faecal Coliform	Total Coliform	Conductivity	B (Boron
	30.08.19	157, 07.09.19	8.8	36	112	60	6	24	4.4	22300	420000	1498	ND
73	Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894)												
	30.08.19	159, 07.09.19	8.5	22	56	24	ND	ND	4.8	8200	140000	1404	ND
74	River Ghaggar after meeting of discharge of Ratia.												
	30.08.19	158, 07.09.19	8.6	32	88	40	4	8	5.2	19200	320000	1417	ND
75	River Ghaggar before meeting discharge of Sardulgarh town												
	30.08.19	160, 07.09.19	8.6	42	104	90	8	26	5.7	14300	360000	1468	ND
76	Discharge of Sardulgarh town												
	30.08.19	162, 07.09.19	8.5	18	88	22	ND	14	4.2	9200	150000	1418	ND
77	River Ghaggar after meeting discharge of Sardulgarh town												
	30.08.19	161, 07.09.19	8.6	32	56	60	6	18	4.7	16900	240000	1430	ND
78	Ghaggar GH-2 at Chandpur Syphen												
	30.08.19	163, 07.09.19	8.7	32	72	140	-	30	3.8	48000	520000	1974	ND
79	Ellenabad drain discharge of PHED STP Ellenabad, 7.5 MLD, Sirsa into River Ghaggar, Latitude- 29*29.710 Longitude- 74*43.562												
		130 dt. 26.08.2019	8.6	32	56	100	14	30	5.6	140000	1100000	1391	ND

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	
	Total			70.5	

Compilation of Ground Water Samples-August , 2019

Panchkula

Sr .N o.	Sampling Location	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conduc tivity	BO D	COD	Total Dissolve d Solids (500 - (2000 limit)	Total Suspe nded Solids	Total Hardn ess (200- 600)	Chl oride (250 limit s)	Sulph ate (200- 400)	Cal cium (75 limit s) (200)	Magne sium (30) (100)	Nickel (0.02)	Copper (0.05- 1.5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total caoli form	Feac al Colif orm	Nitrate- N (45 limits)	Tot al Alk alinity (20 0 limits)	P- Alk alinity	Sodi um	Pot assi um	Ca d mi un (0. 01 li mi ts)	Remarks		
1	Tubewell NO. 2 dt. Sector-24 dt. HUDA dt. Panchkula																												
		1195 dt. 21.08.2019	08.08.2019	7.82		BD L	BDL		BDL	236	20	BDL	62.4	19.4 4	BDL	BDL	0.114	0.079	120	NIL	0.06	-	-	37	0.4	BD L	Complying		
2	Tubewell NO. 3 dt. Sector-24 dt. HUDA,Panchkula																												
		1196, 21.08.2019	08.08.2019	7.8		BD L	8.8		BDL	210	16	BDL	34.9 92	16.0 38	BDL	BDL	0.063	0.012	221	NIL	0.05	-	-	41	0.7	BD L	Complying		
3	Tubewell No. 1 dt. (HUDA division No. 3) Near dumping ground sector-23 dt. Panchkula																												
		1194 dt. 21.08.2019	08.08.2019	7.82		BD L	6.4		BDL	254	18	-	66.4	21.3 84	BDL	BDL	0.048	0.031	170	NIL	0.09	-	-	38	0.7	B DL	Complying		
4	Tubewell No. 5 dt. Sector-24 dt. HUDA dt. Panchkula																												
		1198, 21.08.2019	08.08.2019	7.78		BD L	9.2		BDL	194	20	BDL	48	17.9 82	BDL	BDL	0.077	0.063	130	NIL	0.04	-	-	44	0.8	-	Complying		
5	Tubewell No. 4 dt. Sector-24 , HUDA , Panchkula																												
		1197 dt. 21.08.2019	08.08.2019	7.73		BD L	8		BDL	228	16	BDL	55.2	21.8 7	BDL	BDL	0.139	0.05	94	NIL	0.03	-	-	38	0.5	B DL	Complying		
6	Tubewell No. 9 , Sector-4 , HUDA,Panchkula																												
		1200 dt. 21.08.2019	08.08.2019	7.82		BDL	12.8		BDL	206	16	BDL	52	18.4 68	BDL	BDL	0.048	0.03	109	NIL	0.11	-	-	41	0.8	BD L	Complying		
7	Tubewell No. 6 , Div-II , Sector-24, Panchkula																												

		1199 dt. 21.08.2019	08.08.2019	7.78		BD L	7.2		BDL	200	30	BDL	54.4	0.24 3	BDL	BDL	0.1	0.054	172	NIL	0.08	-	-	40	0.6	B DL	Complying
8	Hand Pump at Ghail Drain, Ambala																										
		1221 dt. 10.09.2019	28.08.2019	8.57		BD L	26.4		-	142	176	-	32	15.0 66	BDL	BDL	-	0.08	109	NIL	-	-	-	324	1.2	B DL	Complying
9	Tubewell at Vill. Dadwa Haryana Punjab Border, Ambala																										
		1222 dt. 10.09.2019	28.08.2019	7.5		BD L	18.8		-	180	60	-	64.8	4.37 4	BDL	BDL	-	0.06	41	NIL	-	-	-	376	0.6	B DL	Complying
10	Tubewell at Kalu Majra, Ambala																										
		1223 dt. 10.09.2019	28.08.2019	8.62		BD L	26		-	116	160	-	26.4	12.1 5	BDL	BDL	-	0.05	21	NIL	-	-	-	360	1	B DL	Complying
11	Tubewell at Vill. Dadiana, Ambala																										
		1224, 10.09.2019	28.08.2019	8.6		BD L	21.6		-	122	162	-	31.2	10.6 92	BDL	BDL	-	0.05	27	NIL	-	-	-	376	1	B DL	Complying
12	Tubewell at Vill. Manakpur, Ambala																										
		1225, 10.09.2019	28.08.2019	8.59		BD L	26		-	112	176	-	24	12.6 36	BDL	BDL	-	0.06	39	NIL	-	-	-	364	1	B DL	Complying
13	Tubewell at Vill. Lohgarh, Ambala																										
		1226, 10.09.2019	28.08.2019	7.67		BD L	24.4		-	160	50	-	36	17.0 1	BDL	BDL	-	0.05	49	NIL	-	-	-	390	0.6	B DL	Complying
14	Tubewell at Vill. Dangderi, Ambala																										
		1227, 10.09.2019	28.08.2019	8.59		BD L	21.2		-	122	170	-	26.4	13.6 08	BDL	BDL	-	0.05	26	NIL	-	-	-	382	0.6		Complying
15	Narwana to Dandhardi Road, Tehsil Kalayat. Dist. Kaithal																										
		105 dt. 04.09.2019	22.08.2019	8.9	###	ND	ND	342	14	420	40	10	340	80				0.4				20	8				Complying
16	Ground Water village Kharka, Gujn Chowk, Cheeka, Kaithal																										
		106 dt. 04.09.2019	22.08.2019	8.7	665	ND	ND	405	12	310	220	60	260	50				0.2				55	28				Complying