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HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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HSPCB

No. HSPCB/WC/18912

Dated:- 29.08.2019

To

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

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

DA/ As above

Wtz
Env. Engineer (HQ)
For Member Secretary

Month of July, 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 July, 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	Submitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. Sandeep Kumar, EE, Irrigation Panchkula not submitted the report regarding flow rate of drains, Dredging and de-silting of drains and storage capacity increase. • Sh. Ashok Kumar, EE, Panchayat Raj and Sh. Satyavan, SE, ULBD, Panchkula not submitted the report regarding identification of sources of pollution having out fall in drain. • Sh. Shivraj Singh, EE, PHED and Sh. Vijay Goyal, XEN, ULBD, Panchkula not submitted report regarding sewerage in un-sewer area of unapproved colonies. • Sh. Shivraj Singh, EE, PHED and Sh. Vinod Kumar, SDO, PHED, Kalka, Pinjore and Barwala not submitted report plan for laying of sewage in unapproved colonies. • Sh. Shivraj Singh, EE, PHED, Panchkula not submitted report regarding action plan for STPs. • Sh. Jarnail Singh, EO, MC, Panchkula not submitted report regarding plan for Integrated Solid Waste Management, plan for Plastic Waste Management, open defecation and disposal by sewage through tankers by private party. • Sh. Rahul, Assistant Soil Conservation Officer, Panchkula not submitted report regarding agriculture practices • Sh. Vishal Kaushik, DFO, Panchkula not submitted report regarding greenery development plan. • Dr. H.S. Saini, DEO, Panchkula not submitted report regarding involvement of civil society/awareness. • 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. 1, 3, 4, 5, 6, 7, 8, 10, 12, 14, 15, 16, 17, 18, 19, 20 and 21 have not been submitted.</p>
2	Ambala	Submitted	<ul style="list-style-type: none"> • Sh. Vinod Kumar, SE, Irrigation Ambala not submitted the report regarding flow rate of drains, Plastic Waste Management and storage capacity increase. • Sh. S.K. Goyal, EE, Panchayat Raj and Sh. Virender Singh, EO, MC, Ambala not submitted the report regarding identification of sources of pollution having out fall in drain. • 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 sewerage in un-sewer area of

			<p>unapproved colonies.</p> <ul style="list-style-type: none"> • Sh. Virender Singh EO, Ambala not submitted report regarding plan for Integrated Solid Waste Management, plan for Plastic Waste Management, open defecation and disposal by sewage through tankers by private party. • Sh. Ankit Assistant Soil Conservation Officer, Panchkula and Sh. Girish Nagpal, DD, Agriculture, Ambala not submitted report regarding agriculture practices • Smt. Usha Sharma, DEO, Ambala not submitted report regarding involvement of civil society/awareness. <p>Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 1, 2, 3, 5, 6, 7, 10, 12, 14, 15, 17, 18, 19, 20, 21 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 Kurukshetra not submitted report regarding laying of sewerage and action plan for STPs. • Sh. B.N. Bhatti, EO, MC, Kurukshetra not submitted report regarding integrated solid waste Management, Plan for Plastic Waste Management, open defecation and disposal by sewerage through tankers by private parties. • Sh. Mukesh Kumar, Assistant Soil Conservation Officer and Sh. Pardeep Meel, DDA, Agriculture, Kurukshetra not submitted report regarding Agriculture practice. • Smt. Sunita Devi, DEO, Kurukshetra not submitted report regarding involvement of civil society/awareness. • Dr. Sukhbir Mehla, Civil Surgeon, Kurukshetra 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. 1, 2, 3, 4, 5, 6, 7, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21 have not been submitted.</p>

4.	Jind	Submitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. Dharamvir Singh Mor, XEN Irrigation Jind not submitted report regarding dredging and de-silting of drains. • Sh. Bhupinder Singh, XEN, HSVP, Jind not submitted the report regarding plan for laying of sewage in approved colonies. • Sh. Sanjay Sharma, XEN, PHED Jind and Sh. Bhupinder Singh, XEN, HSVP, Jind not submitted report regarding action plan for proposed STPs. • Sh. Satish Garg, ME, ULBD, Jind not submitted report regarding E-Waste Management and Plastic Waste. • Sh. Surender Malik, DDA, Jind not submitted reports regarding Agriculture Practices, Crop Diversification and Water efficient Agriculture Practices. • Sh. Bhupinder Singh, XEN, HSVP and Jind, Sh. Satish Garg, ME, ULBD, Jind not submitted report regarding greenery development plan. • Sh. Sanjay Sharma, XEN, PHED Jind and Sh. Satish Garg, ME, ULBD, Jind not submitted report regarding septage Management/ disposal by sewage through tankers. • Dr. Ajay Goyal, Dr. S.S. Punia IMA, President Jind and Dr. Shashi Prabha Aggarwal, CMO, Jind 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. 6, 7, 8, 10, 10.1, 10.2, 10.2.1, 10.3, 16, 19, 20, 24, 25, 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. V.K. Gupta, EE Division No. 1 PHED, Kaithal not submitted report regarding estimation of sewage in Town, action plan for existing, under construction and proposed STPs, OMD by the STPs and increasing the water storage capacity. • Sh. Ashok Kumar, E.O. ULBD Kaithal, not submitted report regarding dredging and de-silting of drains, plan for integrated solid waste management (ISWM), greenery development plan and open defecation. • V.K. Gupta, EE Division No. 1 PHED, Kaithal and Sh. Ashok Kumar, E.O. ULBD Kaithal not submit report regarding plan for laying of sewages in approved colonies. • Sh. V.K. Gupta, EE Division No. 1 PHED, Kaithal and Sh. Ashok Kumar, E.O. ULBD Kaithal not submitted the report regarding septage management/disposal by sewages through tankers. • Dr. Parveen Garg, IMA, President, Kaithal 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, 6, 8, 10, 10.1, 10.2, 10.2.1, 10.3, 14, 14.1, 14.2, 14.3, 16, 19, 19.1, 19.2, 20, 21, 22, 23, 24, 25, 26 have not been submitted.</p>
6.	Fatehabad	Submitted	<p>Name of defaulting officer as per report of DSTF</p> <ul style="list-style-type: none"> • Sh. Jatinder, E.O., MC, Fatehabad, Sh. Vinod Nehra, E.O., MC Tohana, Sh. Pankaj, Secretary, MC, Tohana and Sh. Surinder Kumar, Secretary MC, Ratia not submitted the reports regarding plan

			for integrated solid waste management (ISWM). Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 10.4, 14, 14.1, 21, 22, 25, 26 have not been submitted.
7.	Hisar	Submitted	Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 7, 8, 10, 10.3, 14, 14.1, 19, 21, 22, 26 have not been submitted.
8.	Sirsa	Submitted	Deficiencies observed in the ATR:- The Action taken for various points of the action plan for point no. 6, 8 have not been submitted.

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

Sr. No.	Name and address of the industry	Date of Visit	Whether final effluent sample meeting with the standards or not	Any other major violation/observations observed during the visit	Action taken by PPCB in case of violation or effluent sample not meeting with the standards
1	Modern Automobiles, GT-Road, Model Town Crossing, Ambala City.	03.07.2019	No	<ol style="list-style-type: none"> 1. The ETP of above said unit was found not in operation and was totally in abandoned condition. 2. The effluent generated from washing of vehicles was discharged on land without any treatment. 3. Chemical dosing system was not provided. 4. Flow meters on outlet and inlet of ETP was not provided. 5. Log books of ETP were not maintained. 6. Details of hazardous waste generation, stockpile quantity, hazardous waste storage site, agreement with service provider for disposal of Hazardous Waste details of Hazardous waste transported to service provider was not provided by the unit. 7. Display board for hazardous waste at factory gate not provided. 	SCN issued
2	The Ambala Distt. Co-op. Milk Producers union ltd. G.T. Road, Ambala city.	03.07.2019	No	<ol style="list-style-type: none"> 1. The ETP installed but not structurally adequate and was not in operation satisfactorily at the time of inspection. 2. Chemical dosing system was not proper and not maintained the logbook. 3. The unit is discharging their effluent in Ambala Drain. 	SCN issued
3	Eakansh Wheels Ambala City, Plot No. 8, Basant Vihar, Nr. Swastik Marble, Ambala City.	12.07.2019	A/R awaited	<ol style="list-style-type: none"> 1. Not provided flow meter on inlet of ETP. 2. Not provided separate electricity meter on ETP. 3. Not maintained log book of ETP. 4. No Separate storage site for hazardous waste provided. 5. Not provided display Board for Hazardous waste at unit's gate. 6. Not provided details of Hazardous waste transported to service provider. 	SCN issued

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. 69 of Annexure-1 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 result of the analysis of such samples?

The compiled analysis reports are enclosed as **Annexure-C.**
Abstract of Ground Water Samples (Ghaggar)

Sr. No.	District	No. of Ground water samples collected in the month of July, 2019	No. of Complying	No. of non-complying samples
1	Panchkula	6	6	0
2	Ambala	6	6	0
3	Kurukshetra	0	0	0
4	Kaithal	3	1	2
5	Jind	0	0	0
7	Fatehabad	18	15	3
8	Hisar	0	0	0
9	Sirsa	0	0	0
	Total	33	28	5

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	No. of Patients not intimated.
3.	Kurukshetra	0	Not submitted
4.	Jind	0	Not submitted
5.	Kaithal	14	26 patients at vill. Babakpur, 30 patients at vill. Rattakhera, 26 patients at vill. Saroula, 28 patients at vill. Khanpur, 30 patients at vill. Rattakhera, 58 patients at vill. Mengra, 32 patients at vill. Manjari, 48 patients at vill. Sihali, 51 patients at vill. Bhatia, 62 Patients at vill. Seomajra, 61 Patients at Vill. Rattakhera Gharam, 25 Patients at Vill. Sarakpur, 49 Patients at Vill. Badanpur, 39 Patients at Vill. Mohanpur examined at village Hemumajra.
6.	Fatehabad	2	54 patients at village Lalwad, 82 patients at village Talwara examined
7.	Hisar	0	Not readable
8.	Sirsa	2	84 patients at Vill. Mirpur, 65 patients at vill. Farwai examined
	Total	21	

Quality of water of river Ghaggar during July, 2019

Sr. No	Location of point in river Ghaggar	Values of Parameters in mg/l except pH						
		pH	DO mg/l	BOD mg/l	T.Coli MPN/100 ml	Cond ps/Cm	Bor n Mg/i	DBU
1	Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab.	8.3	8.5	4.5	109000	421	-	-
2	Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab.	8.38	7.5	3.6	221000	432		
3	Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab.	7.58	6.4	7	-	-	-	-
4	Singh Nallah choe before meeting slaughter house ph-1, Panchkula	7.53	2.6	40	BDL	534	-	-
5	MDC Drain before meeting manimajra domestic effluent, Sector-18, Panchkula	7.5	3.3	62	BDL	675	-	-
6	MDC Drain after meeting manimajra domestic effluent, Sector-18, Panchkula	7.58	4.6	38	BDL	634		
7	Manimajra domestic effluent before meeting MDC drains, near Sector-18, Panchkula	7.56	4.2	40	BDL	645	-	-
8	Storm Water drain containing effluent of Baltana, Dhakoli & Army area of zirakpur at Vill-Dhakoli, Punjab(Behind D-	7.49	3.5	36	-	571	-	-
9	Sukhna choe after meeting effluent from Ch., I.A., Baltana effluent, other colonies of Chandigarh and Punjab etc., near I.A, Chandigarh	7.5	3.2	45		581	-	-
10	Outlet of Baltana before meeting Sukhna Choe	7.55	4.7	32	-	554	-	-
11	Sukhna choe near Raipur Kalan and Makhanmajra before meeting MDC drain	7.51	3.8	48	-	678	-	-
12	Outlet of Chandigarh domestic effluent near Bapudham colony, Chandigarh.	7.51	NA	32	-	601	-	-
13	Industrial Area drain after meeting treated domestic effluent of STP at Raipur khurd Chandigarh.	7.53	3.5	35	-	656	-	-
14	Ghaggar River after meeting Sukhna Choe at Vill-Bhankarpur, Punjab	7.93	6.6	8.4	148000	460	-	-
15	Sukhna choe at Vill-Bhankarpur, Punjab	7.56	2.4	17	-	651	-	-
16	Ghaggar River before meeting Sukhna Choe at Vill-Bhankarpur, Punjab	8.28	7	5.5	120000	440	-	-
17	Gandha Nallah, Vill-Bhankarpur, Mohali before meeting River Ghaggar	7.54	3.4	48	-	602	-	-
18	Ghaggar River, Near Surajpur, Panchkula(Station Code- 1885)	8.44	6.2	7.5	172000	324	BDL	-
19	Kaushalya lake, Surajpur, Panchkula (Code-1392)	8.4	6.7	1.8	148000	329	BDL	-
20	Ghail drain at Samaspur, Ambala	7.56	NA	62	-	62	-	
21	Ghaggar River after mixing Ghail Drain at Samaspur (Ambala)	8.3	-	8.8	212000	429	-	-

Sr. No	Location of point in river Ghaggar	Values of Parameters in mg/l except pH						
		pH	DO mg/l	BOD mg/l	T.Coli MPN/100 ml	Cond ps/Cm	Bor n Mg/i	DBU
22	Ghaggar River before mixing Ghail drain at Samaspur (Ambala)	8.37	-	4.6	172000	433	-	-
23	Mahesh Nagar Drain, G.T Road, Mahesh Nagar, Ambala Cantt	7.53	6.2	32	-	661	-	-
24	Ambala Drain near Motor Market, Ambala City	7.52	3.9	34	-	639	-	-
25	Ghaggar River before meeting Derabassi Drain near Vill-Bakkarpur (Punjab) (Upstream)	78.28	7.8	5.5	120000	440	-	-
26	Derabassi drain near Vill-Bakkarpur (Punjab).	7.51	7.3	37	-	620	-	-
27	Ghaggar River after meeting Derabassi near Vill-Bakkarpur (Punjab).	7.93	8.2	8.4	148000	460	-	-
28	Ghaggar River before meeting Basauli Choe at Vill- Tepla (Punjab)	8.21	-	7.6	141000	433	-	-
29	Waste water of Bassauli Choe at vill. Tepla (Punjab)	7.55	NA	38	-	588	-	-
30	Ghaggar River after meeting Basauli Choe at Vill- Tepla (Punjab)	8.32	-	9.3	172000	420	-	-
31	Ghaggar river before meeting Jharmal Choe at Vill- Tiwana (Punjab)	8.22	-	4.5	130000	429	-	-
32	Waste water of Jharmal Choe at Vill- Tiwana (Punjab)	7.52	NA	41	-	632	-	-
33	Ghaggar River after mixing Jharmal Choe, At- Vill-Tiwana, (Punjab)	8.17	-	5.8	148000	409	-	-
34	Ghaggar River after mixing Pachis Draha drain at Sarala khurd (Patiala).	8.23	-	5.6	212000	423	-	-
35	Pachis Draha drain at Vill-Sarala Khurd (Patiala).	7.55	NA	8	-	616	-	-
36	Ghaggar River before mixing Pachis Draha drain at Vill-Sarala Khurd (Patiala).	7.69	-	6.5	172000	443	-	-
37	Downstream of Markanda river after mixing Jatton wala Nallah at Chambel majri bridge, Sadhara Naraingarh Road (Station Code- 1884)	7.66	5.8	8.0	278000.0	445.0	BDL	-
38	Jatton Wala Nallah coming from Himachal Pradesh Industries near Kala Amb	7.42	-	65	-	897	-	-
Jind								
39	Upstream Ghaggar River at Village Chiali.	8.7	ND	20	360000	710	ND	
40	Upstream Markanda, 500m upstream before mixing at Bhagal Bridge.	8.8	ND	16	446000	620	ND	
41	Downstream Ghaggar River, 500M Downstream after mixing at Village Dhandota	8.8	ND	32	360000	710	ND	
42	Upstream Ghaggar River, 200M Upstream before mixing at Village Bhatia	8.8	ND	50	480000	725	ND	
43	Upstream Patiala River, 300M Upstream before mixing in River Ghaggar, Village Sapparheri	8.8	ND	60	510000	570	ND	
44	Downstream Ghaggar River, 300m Downstream after mixing at Village Ratanheri	8.7	ND	40	460000	525	ND	
45	Upstream Ghaggar River,	8.7	ND	36	340000	585	ND	

Sr. No	Location of point in river Ghaggar	Values of Parameters in mg/l except pH						
		pH	DO mg/l	BOD mg/l	T.Coli MPN/100 ml	Cond ps/Cm	Bor n Mg/i	DBU
	500M Upstream, Village Rasoli							
46	U/s Para River before mixing in Ghaghar river, Village Sagra.	8.8	ND	38	360000	530	ND	
47	Downstream Ghaggar River after mixing at Village Rasoli	8.8	ND	26	410000	490	ND	
48	Upstream of Ghaggar River before the confluence point of Kaithal Drain at Khanauri	8.8	ND	22	470000	590	ND	
49	Discharge of Kaithal Drain in River Ghaggar at Khanuri	8.7	ND	40	452000	615	ND	
50	Water of Ghaggar River between point of discharge of Kaithal drain in River Ghaggar & point of discharge of Khanuri	8.8	ND	22	320000	640	ND	
51	Discharge of Khanauri Town in River Ghaggar	8.8	ND	36	500000	603	ND	
52	River Ghaggar after mixing point of Khanauri drain	8.8	ND	24	460000	610	ND	
53	Downstream of River Ghaggar after confluence point of Khanauri Town and Kaithal into GR	8.8	ND	18	490000	510	ND	
54	Upstream of River Ghaggar before the confluence point of discharge of Moonak Town.	8.6	ND	20	224000	720	ND	
55	Discharge of Moonak Town into River Ghaggar.	8.7	ND	20	406000	640	ND	
56	Downstream of River Ghaggar after the confluence point of Moonak Town with River Ghaggar	8.7	ND	32	380000	800	ND	
57	U/s of River Ghaggar before the confluence point of Jhambuwali Choe at Village Chandu.	8.7	ND	36	460000	840	ND	
58	Discharge of Jhambuwali Choe in River Ghaggar at Village Chandu	8.7	ND	22	320000	530	ND	
59	D/s of River Ghaggar after confluence point of Jhambuwali choe with River Ghaggar at Village Chandu	8.8	ND	48	380000	609	ND	
	Hisar							
60	Ghaggar GH-1 at road bridge, Sirsa- Dabwali Road				620000	1790		
61	Ghaggar GH-2 at Chandpur Syphen				270000	2420		
62	Ellenabad drain discharge of PHED STP Ellenabad, 7.5 MLD, Sirsa into River Ghaggar, Latitude- 29°29.710' Longitude- 74°43.562'				340000	-		
63	River Ghaggar before meeting discharge of Ratia.	8.6	4.6	40	480000		-	
64	Discharge of Ratia Town	8.2	4.5	22	140000		-	
65	River Ghaggar after meeting of discharge of Ratia.	8.4	4.1	46	460000		-	
66	River Ghaggar before meeting discharge of Sardulgarh town	8.6	4.8	44	490000		-	
67	Discharge of Sardulgarh town	8.5	3.9	18	110000		-	

Sr. No	Location of point in river Ghaggar	Values of Parameters in mg/l except pH						
		pH	DO mg/l	BOD mg/l	T.Coli MPN/100 ml	Cond ps/Cm	Bor n Mg/i	DBU
68	River Ghaggar after meeting discharge of Sardulgarh town	8.2	4.2	42	460000	-		
69	Ghaggar before ottu weir (before mixing with Satluj canal water)				560000	1890		

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- July, 2019

Sr. No.	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conductivity	BO D	COD	Total Dissolved Solids (500 - (2000 limit)	Total Suspended Solids	Total Hardness (200-600)	Fluoride (1.0 limits)	Chloride (250 limits)	Sulphate (200-400)	Calcium (75 limits) (200)	Magnesium (30) (100)	Nickel (0.0 2)	Copper (0.0 5-1.5 limits)	Chromium (0.0 5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total cao liform	Fea cal Coli form	Nitrat e-N (45 limits)	Sodiu m	Pot assi um	Remarks	
1	Tubewell NO. 2 dt. Sector-24 dt. HUDA dt. Panchkula															-	-	-	-							
	962 dt. 18.07.2019	09.07.2019	7.85			14.4			160		20	BDL	34.4	17.98 2	BDL	BDL		0.086	0.108	23		0.05	17.2	0.6	Complying	
2	Tubewell NO. 3 dt. Sector-24 dt. HUDA,Panchkula																									
	963 dt. 18.07.2019	09.07.2019	7.81			29.6			180		20	BDL	39.2	19.92 6	BDL	BDL		0.059	BDL	94		0.08	18	0.6	Complying	
3	Tubewell No. 1 dt. (HUDA division No. 3) Near dumping ground sector-23 dt. Panchkula																									
	961 dt. 18.07.2019	09.07.2019	7.89			36.8			220		22	BDL	46.4	25.27 2	BDL	BDL		0.038	0.073	79		0.03	17.6	0.6	Complying	
4	Tubewell No. 5 dt. Sector-24 dt. HUDA dt. Panchkula																									
	965 dt. 18.07.2019	09.07.2019	7.92			29.2			164		20	BDL	36	17.98 2	BDL	BDL		0.028	BDL	31		0.07	17.6	0.4	Complying	
5	Tubewell No. 4 dt. Sector-24 dt. HUDA , Panchkula																									
	964 dt. 18.07.2019	09.07.2019	7.86			26			170		20	BDL	36.8	18.95 4	BDL	BLD		0.055	BDL	40	NIL	0.02	17.8	0.5	Complying	

Sr. No.	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conductivity	BO D	COD	Total Dissolved Solids (500 - (2000 limit)	Total Suspended Solids	Total Hardness (200-600)	Fluoride (1.0 limits)	Chloride (250 limits)	Sulphate (200-400)	Calcium (75 limits) (200)	Magnesium (30) (100)	Nickel (0.0 2)	Copper (0.0 5-1.5 limits)	Chromium (0.0 5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total cao liform	Feacal Coliform	Nitrate-N (45 limits)	Sodium	Potassium	Remarks	
6	Tubewell No. 6 dt. Div-II dt. Sector-24 dt. Panchkula																									
	966 dt. 18.07.2019	09.07.2019	7.81			14			270		16	BDL	56	31.59	BDL	BDL		0.032	BDL	58	NIL	0.04	17.7	0.4	Complying	
7	Hand Pump at Ghail Drain dt. Ambala																									
	956 dt. 18.07.2019	09.07.2019	7.83		-	32.4			206		20	BDL	48	20.898	BDL	BDL		0.057	BDL	94	Nil	0.02	17.4	0.6	Complying	
8	Tubewell at Kalu Majra, Ambala																									
	955 dt. 18.07.2019	09.07.2019	7.83			34.4			234		18	BDL	50.4	26.244	BDL	BDL		0.1	0.096	120	NIL	0.05	17.5	0.8	Complying	
9	Tubewell at Vill. Dadiana, Ambala																									
	957 dt. 18.07.2019	09.07.2019	7.84			36.4			166		20	BDL	35.2	18.954	BDL	BDL		0.074	0.076	109	NIL	0.08	16.6		Complying	
10	Tubewell at Vill. Manakpur, Ambala																									
	958 dt. 18.07.2019	09.07.2019	7.82			34.8			154		22	BDL	32	17.982	bDL	BDL		0.062	0.015	141	NIL	0.04	18.5	0.7	Complying	

Sr. No.	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conductivity	BO D	COD	Total Dissolved Solids (500 - (2000 limit)	Total Suspended Solids	Total Hardness (200-600)	Fluoride (1.0 limits)	Chloride (250 limits)	Sulphate (200-400)	Calcium (75 limits) (200)	Magnesium (30) (100)	Nickel (0.0 2)	Copper (0.0 5-1.5 limits)	Chromium (0.0 5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total calcium form	Faecal Coliform	Nitrate-N (45 limits)	Sodium	Potassium	Remarks
11	Tubewell at Vill. Lohgarh, Ambala																								
	959 dt. 18.07.2019	09.07.2019	7.79			26.4			186		16	BDL	39.2	21.384	BDL	BDL		0.064	BDL	130	NIL	0.01	18.8	0.7	Complying
12	Tubewell at Vill. Dangderi, Ambala																								
	960 dt. 18.07.2019	09.07.2019	7.82			24.8			180		18	BDL	39.2	19.926	BDL	BDL		0.054	BDL	120	NIL	0.07	18.2	0.8	Complying
13	Tubewell of water works, Village Kawalgarh, Fatehabad																								
	124 M	10.07.19	8.1	710	ND	ND	410	13	170	ND	132	18	120	50	ND		ND	ND	ND						Complying
14	Tubewell of Smt. Sushma Rani, Sarpanch, Khairpur, Fatehabad																								
	125 M	10.07.19	8.7	780	ND	ND	460	15	150	ND	170	14	130	20	ND		ND	ND	ND						Non-complying
15	Tubewell of Vill. Talwara, Chandpur Road, Near Ghaggar, Fatehabad																								
	107 M	10.07.19	8.5	480	ND	ND	264	18	110	ND	70	22	90	20	ND		ND	ND	ND						Complying
16	Tubewell at Talwara to Jakhal Road, Village Talwara, Fatehabad																								

Sr. No.	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conductivity	BO D	COD	Total Dissolved Solids (500 - (2000 limit)	Total Suspended Solids	Total Hardness (200-600)	Fluoride (1.0 limits)	Chloride (250 limits)	Sulphate (200-400)	Calcium (75 limits) (200)	Magnesium (30) (100)	Nickel (0.0 2)	Copper (0.0 5-1.5 limits)	Chromium (0.0 5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total cao liform	Feac Coli form	Nitrate-N (45 limits)	Sodium	Potassium	Remarks
	109 M	10.07.19	8.4	511	ND	ND	281	12	110	ND	75	18	90	20	ND		ND	ND	ND						Complying
17	Tubewell at Talwara, Fatehabad																								
	108 M	10.07.19	8.3	470	ND	ND	260	20	120	ND	50	16	90	30	ND		ND	ND	ND						Complying
18	Tubewell of Village Jakhal, Fatehabad																								
	110 M	10.07.19	8.7	520	ND	ND	286	14	90	ND	60	16	60	30	ND		ND	ND	ND						Non-complying
19	Tubewell Narail Road, Jakhal, Fatehabad																								
	113 M	10.07.19	8.2	510	ND	ND	280	14	100	ND	45	14	70	30	ND		ND	ND	ND						Complying
20	Tubewell near Narail Road River Ghaggar, Jakhal, Fatehabad																								
	112 M	10.07.19	8.2	590	ND	ND	324	12	130	ND	60	12	90	40	ND		ND	ND	ND						Complying
21	Tubewell Near Ghaggar Narail Road, Jakhal, Fatehabad																								
	111 M	10.07.19	8.7	560	ND	ND	310	10	130	ND	65	14	90	40	ND		ND	ND	ND						Non-complying
22	Tubewell of Talwari, Fatehabad																								

Sr. No.	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conductivity	BO D	COD	Total Dissolved Solids (500 - (2000 limit)	Total Suspended Solids	Total Hardness (200-600)	Fluoride (1.0 limits)	Chloride (250 limits)	Sulphate (200-400)	Calcium (75 limits) (200)	Magnesium (30) (100)	Nickel (0.0 2)	Copper (0.0 5-1.5 limits)	Chromium (0.0 5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total cao liform	Fe cal Coli form	Nitrat e-N (45 limits)	Sodiu m	Pot assi um	Remarks
	114 M	10.07.19	8.1	490	ND	ND	270	10	110	ND	35	16	80	40	ND		ND	ND	ND						Complying
23	Tubewell of Makhan Singh Talwari, Fatehabad																								
	116 M	10.07.19	7.8	840	ND	ND	460	12	180	ND	110	12	120	60	ND		ND	ND	ND						Complying
24	Tubewell Sadhanwas Talwari Road, Fatehabad																								
	116 M	10.07.19	7.8	840	ND	ND	460	12	180	ND	110	12	120	60	ND		ND	ND	ND						Complying
25	Tubewell Dhani Nali Road, Sadhanwas, Fatehabad																								
	118 M, 17.07.19	10.07.19	8.4	610	ND	ND	335	16	130	ND	70	16	110	20	ND		ND	ND	ND						Complying
26	Tubewell Ratia Road, Chandpura, Fatehabad																								
	120 M, 17.07.19	10.07.19	7.5	1160	ND	ND	638	12	210	ND	85	10	130	80	ND		ND	ND	ND						Complying
27	Tubewell Ratia Road, Chandpura, Fatehabad																								
	119 M, 17.07.19	10.07.19	8.5	1120	ND	ND	616	18	190	ND	65	ND	120	70	ND		ND	ND	ND						Complying
28	Tubewell Chandpura to Ratia Road, Fatehabad																								

Sr. No.	Analysis Report No.	Date of collection	pH (6.5 to 8.5 limit)	Conductivity	BO D	COD	Total Dissolved Solids (500 - (2000 limit)	Total Suspended Solids	Total Hardness (200-600)	Fluoride (1.0 limits)	Chloride (250 limits)	Sulphate (200-400)	Calcium (75 limits) (200)	Magnesium (30) (100)	Nickel (0.0 2)	Copper (0.0 5-1.5 limits)	Chromium (0.0 5 limits)	Zinc (5-15)	Iron (0.3 limits)	Total cao liform	Fea cal Coli form	Nitrat e-N (45 limits)	Sodiu m	Pot assi um	Remarks
	121 M, 17.07.19	10.07.19	8.5	560	ND	ND	310	12	140	ND	70	18	110	30	ND		ND	ND	ND						Complying
29	Tubewell Babanpur to Ratia Road, Ratia, Fatehabad																								
	122 M, 17.07.19	10.07.19	8.4	1020	ND	ND	580	15	210	ND	45	16	130	80	ND		ND	ND	ND						Complying
30	Johne Service Station, Ratia, fatehabad																								
	123 M	10.07.19	8.4	410	ND	ND	256	12	110	ND	35	14	80	30	ND		ND	ND	ND						Complying
31	Hand Pump of Village Devban (Near River Bridge) District Kaithal																								
	75 dt. 26.07.2019	16.07.2019	8.8	390	ND	ND	234	12	120		90	10	100	20					0.2						Complying
32	Hand Pump, Village Kithana, (Near Shiv Medical), District Kaithal																								
	99 dt. 01.08.2019	26.07.2019	8.3	1157	ND	ND	701	12	280		110	20	220	60					ND	ND	ND				Non-Complying
33	Underground water Hand Pump of Village Titran (Near Vishav Karma Auto Center) District Kaithal																								
	98 dt. 01.08.2019	26.07.2019	8.3	4170	ND	ND	2520	16	220		340	40	140	80					0.4	ND	ND				Non-Complying

