Questionnaire in respect to Hon'ble NGT order dated 07.08.2018 in OA no. 138 of 2016-Stench Grips Mansa's Sacred Ghaggar

1. Please provide to the Executing Committee the Status of 'Action Plan' prepared in compliance of order dated 07.08.2018 passed by Hon'ble NGT on the prevention of pollution of water in the Ghaggar River as well as on the entry & exit points of tributary/drain. In case of any non-compliance or that, who is the responsible Authority/Officer?

The action plan has been prepared and uploaded on the website of the Board and Environment Department Haryana.

2. Status of Action taken on the approved 'Action Plan'. In case of 'no action' then indicate the name of the Authority/Officer.

Sr. No.	DSTF	ATR submitted / not submitted	Remark
1	Panchkula	Submitted	The action taken on the Action plan have not been submitted nor submitted the names of officers who have not taken action.
2	Ambala	Not Submitted	RO Panchkula has submitted combined report for 3 districts. But this report can not
3	Kurukshetra	Not Submitted	be considered as reports of DSTF. The action taken on the Action plan have not been submitted nor submitted the names of officers who have not taken action.
4	Kaithal	Submitted	The complete action taken report on the Action plan has not been submitted nor submitted the names of officers of different departments who have not taken action.
5	Jind	Submitted	
6	Fatehabad	Submitted	
7	Sirsa	Submitted	
8	Hisar	Not Submitted	

The ATR status is as under:-

The names of responsible officers of PHED, Forest, Irrigation Deptt etc not informed

3. Whether the district level STFs are submitting monthly action taken report to the state level STFs with a copy to the Executing Committee (cecghaggar@gmail.com)? If not, indicate the name of the Authority/Officer for non-compliance thereof.

The District Level Committee are not submitting Action Taken reports. The names of officers is given as under

Sr. No.	Task Force	Name of Members
	Panchkula	<ol> <li>Sh. Mukul Kumar, HCS, DC</li> <li>Sh. Abhishek Jorwal, IPS, DCP</li> <li>Sh. Rajinder Sharma, RO</li> <li>Sh. Manbir Singh Rathi, Advocate</li> </ol>
	Ambala	<ol> <li>Smt. Sharandeep Kaur Brar, IAS, DC</li> <li>Sh. Ashok Kumar, IPS, SP</li> <li>Sh. Rajinder Sharma, RO</li> <li>Sh. Nitish Sawhney, Advocate</li> </ol>
	Kurukshetra	<ol> <li>Dr. SS Phulia, IAS, DC</li> <li>Sh. Surinder Pal Singh, IPS, SP</li> <li>Sh. Rajinder Sharma, RO</li> <li>Sh. Roshan Lal Gupta, Advocate</li> </ol>
	Kaithal	<ol> <li>Sh. Dharamvir Singh, HCS,DC</li> <li>Smt. Astha Modi, IPS, SP</li> <li>Sh. Sanjeev Budhiraja, RO</li> <li>Sh. Malkhan Singh, S/o Sh. Late Sh. Rasila Ram, R/o Vill. &amp; Post Office-Bakal, Kaithal</li> </ol>
	Jind	1.Sh. Amit Khatri, IAS, DC 2.Dr. Arun Singh, IPS, SP 3.Sh. Sanjeev Budhiraja, RO
	Fatehbad	<ol> <li>Sh. Jai Krishan Abhir,IAS,DC</li> <li>Sh. Deepak Saharan, HPS, SP</li> <li>Sh. Naveen Gulia, RO</li> </ol>
	Hisar	<ol> <li>Sh. Ashok Meena, IAS, DC</li> <li>Sh. Shiv Charan, IPS, SP</li> <li>Sh. Naveen Gulia, RO</li> </ol>
	Sirsa	<ol> <li>Sh. Prabhjot Singh, IAS, DC</li> <li>Sh. Hamid Akhtar, IPS, SP</li> <li>Sh. Naveen Gulia, RO</li> </ol>

4. Further, as directed by the Hon'ble NGT, monthly reports showing the action taken according to the 'Action Plan' have been uploaded to the website of respective SPCB/Committee as well as the Environment Department of the state or not?

The monthly Action Taken reports have been uploaded on the Website of HSPCB and Environment Department.

5. Whether the state level STF has sent its 3 monthly report on the action taken to the CPCB in terms of the direction contained in the order dated 07.08.2018 of the Hon'ble NGT?

The State level STF has reviewed the action plan and other actions to be taken for control of pollution in River Ghaggar. 1<sup>st</sup> quarterly report has been submitted and 2<sup>nd</sup> quarterly report shall be submitted after March 2019.

6. How many cases of violation were identified by each district level STF and what legal action has been taken against such violators to prevent further water pollution in the Ghaggar River.

Sr. No.	DSTF	No. of violations identified in Jan, 2019	Action taken/ Remark
1	Panchkula	3	RO Panchkula has recommended for closure and 1 prosecution case is under process
2	Ambala	0	
3	Kurukshetra	0	
4	Kaithal	0	
5	Jind	0	
6	Fatehabad	0	
7	Sirsa	0	
8	Hisar	0	
	Total	3	

Till end of Jan. 2019, 47 Industries have been inspected. 29 units complying and 18 units non complying. 6 Industries have been closed by the Board and 5 recommended for closure. 2 cases have been sanctioned for prosecution and 11 prosecution cases are under process.

7. How many ground water samples of Ghaggar River catchment area have been taken and analyzed in each month? What was the result of analysis of such samples?

Sr No.	DSTF	No. of Ground water samples in Jan, 2019	Action taken/ Remark
1	Panchkula	7	Complying as per drinking water standards
2	Ambala	0	
3	Kurukshetra	0	
4	Kaithal	2	Complying as per drinking water standards

5	Jind	0	
6	Fatehabad	1	Complying as per drinking water standards
7	Sirsa	5	Complying as per drinking water standards
8	Hisar	0	
	Total	15	

- 45 Ground Water Samples have been collected and analyzed till end of January, 2019.

# 8. How many health camps/events involving the civil society were organized in each month by the respective states?

Health Department has given action plan for organizing health camps.

Sr. No.	DSTF	No. of Camps in Feb, 2019	Details of Camps
1	Panchkula	0	
2	Ambala	5	<ol> <li>75 Patients at Shahpur on 11.1.19</li> <li>57 Patients at Ghasitpur on 15.01.19</li> <li>51 Patients at Bishangarh on 17.01.19</li> <li>55 Patients at Gorsian on 24.01.19</li> <li>186 Patients at Ghail on 29.01.19</li> </ol>
3	Kurukshetra	0	
4	Kaithal	5	<ol> <li>64 Patients at Budanpur on 03.01.19</li> <li>53 Patients at Ratta Khera on 5.01.19</li> <li>49 Patients at Urlana on 20.01.19</li> </ol>
5	Jind	0	
6	Fatehabad	1	31 Patients at Kasampura on 17.01.19
7	Sirsa	1	88 Patients at Ottu on 15.01.19
8	Hisar	0	
	Total	12	

9. The report of the water samples analysis taken from the each source of pollution be also sent in the attached format with the above report.

Sr. No.	DSTF	No. of samples in Jan, 2019	Action taken
1	Panchkula	18	
2	Ambala	11	
3	Kurukshetra	2	
4	Kaithal	2	
5	Jind	0	
6	Fatehabad	7	
7	Sirsa	3	
8	Hisar	0	
	Total	43	

The results of samples in the prescribed format are enclosed as Annexure- A

#### Annexure- A

# Samples of Ground Water of Panchkula Region

Na	me	Tubewell No. 1, (Huda Div No. III) Near dumping ground sector- 23, Panchkula		Tubewell No. 3, (Huda Div No. III) Near Near boundary of River Ghaggar Sector-24, Panchkula				Tubewell No. 5, Sec-24, HUDA, Panchkula				Tubewell No. 9, Sec-4, HUDA, Panchkula		Tubewell No. 6, Div-II, Sec-24, Panchkula	
Coordinates	-														
Water Quality criteria	-														
Remarks if any	-														
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Temperature	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	рН	7.58		7.36		7.29		7.29		7.28		7.3		6.34	
	DC	-		-		-		-		-		-		-	
	DO	-		-		-		-		-		-		-	
	Odour	Odourless		Odourless		Odourl ess		Odourl ess		Odourl ess		Odourles s		Odourless	
	Oil & grease	-		-		-		-		-		-		-	
	SS (Suspended soils)	ND		ND		ND		ND		ND		ND		ND	
Organic Matter	BOD	ND		ND		ND		ND		ND		ND		ND	
	COD	31.6		12.8		18		8.4		26.8		16.8		9.6	

Name		(Huda E III) N dump ground	Tubewell No. 1, (Huda Div No. III) Near dumping ground sector- 23, Panchkula		Tubewell No. 3, (Huda Div No. III) Near Near boundary of River Ghaggar Sector-24, Panchkula		Tubewell No. 2, Sector-24, HUDA, Panchkula		Tubewell No. 5, Sec-24, HUDA, Panchkula				Tubewell No. 9, Sec-4, HUDA, Panchkula		Tubewell No. 6, Div-II, Sec-24, Panchkula	
Nutrienis	NH3-N	-		-		-		-		-		-		-		
	No2	-		-		-		-		-		-		-		
	No3	-		-		-		-		-		-		-		
	Total p	-		-		-		-		-		-		-		
Microbiological	Total and faecal coliforms	-		-		-		-		-		-		-		
Toxic Metal	Toxic Metal	-		-		-		-		-		-		-		
	Calcium	82.4		89.6		44		80.8		80		79.2		84		
	Magnesium	10.692		19.44		26.73		17.01		24.3		3.402		16.038		
	Nickel	ND		ND		ND		ND		ND		ND		ND		
	Copper	ND		ND		ND		ND		ND		ND		ND		
	Chromium	-		-		-		-		-		-		-		
	Zine	0.189		0.08		0.155		0.201		0.184		0.145		0.130		
	Lead Iron	ND	-	ND	-	ND		ND		ND		ND		ND		
Remakes improve	d or not improved	NA	<u> </u>	NA	1	NA		NA		NA	I	NA	I	NA	I	

# Samples of Ground Water of Jind Region

	Name	upstrea	l No. 1, Near m Ghaggar illage Chiali	Near G	ell No. 2, urugwara, e Bhatia	Discharge of Kaithal Drain in River Ghagga at Khanuri			
Coordinates			-			•			
Water Quality criteria			-						
Remarks if any			-						
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb		
	Temperature	-	-	-	-	-	Reports still		
	рН	6.92	7.58	ND	7.59	7.02	awaited		
	DC	-	-	-	-	-			
	DO	-	-	-	-	-			
	Odour	-	-	-	-	-			
	Oil & grease	ND	ND	ND	ND	ND			
	SS (Suspended soils)	ND	6	ND	ND	52			
Organic Matter	BOD	ND	ND	ND	ND	36			
	COD	9.6	13.6	8.4	8.5	117.6			
Nutrienis	NH3-N	-	-	-	-	-			
	No2	-	-	-	-	-			
	No3	-	-	-	-	-			
	Total p	-	-	-	-	-			
Microbiological	Total and faecal coliforms	-	-	-	-	-			
Toxic Metal	Toxic Metal	-	-	-	-	-			
	Calcium	-	-	-	-	-			
	Magnesium	-	-	-	-	-			
	Nickel	-	-	-	-	-			
	Copper	-	-	-	-	-			
	Chromium	-	-	-	-	-			
	Zine	-	-	-	-	-			

	Name Lead Iron		ll No. 1, Near am Ghaggar ⁄illage Chiali	Near G	ell No. 2, urugwara, e Bhatia	Discharge of Kaithal Drain in River Ghaggar at Khanuri		
	Lead Iron	-	-	-	-	-		
Remakes improved or not improv	ed	not impro	ved	NA		-		

# Samples of Ground Water of Hisar Region (Sirsa and Fatehabad District)

Nam	Near Budhwana Ghat, Amandeep Tubewell, Farwai Kalan, Sirsa			Near point source, Village Kelania, Sirsa			sou	Near point source, Gopal tubewell, Sirsa		Near Bridge, Sirsa - Dabwali Road, Sirsa, 1025 GH-1			Near Chandpur Syphen, GH-2 1026, Fatehabad			Near ottu wier (1887) Sirsa			
Coordinates										-									
Water Quality criteria	-																		
Remarks if any	-																		
General	Parameters	Dec	Jan	Feb	Dec	Jan	Feb	Dec	Jan	Feb	Dec	Jan	Feb	Dec	Jan	Feb	Dec	Jan	Feb
	Temperatur e	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	рН	8.2	7.4	8.6	8	7.9	8.4	7.9	8	8.6	7.6	7.8	8.5	7.9	7.2	8.6	7.2	7.6	8.5
	DC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Odour	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odo rless	Odorl ess	Odo rless	Odo rless	Odo rless	Odo rless	Odorl ess
	Oil & grease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SS (Suspended soils)	14	11	12	10	13	14	10	10	12	14	12	10	16	10	14	10	13	16
Organic Matter	BOD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	COD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nutrienis	NH3-N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	No2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Nam	e	Ghat Tube	Budhy , Aman well, F llan, Si	deep arwai	sou	ear poi rce, Vil ania, S	lage	sou	ear poi Irce, Ge ewell, S	opal	Sirs Ro	ear Brid sa - Dab bad, Sir 025 GH	wali sa,	Syp	Chand hen, Gl Fateha	H-2	-	ar ottu 887) S	
	No3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total p	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbiological	Total and faecal coliforms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Metal	Toxic Metal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	90	120	60	80	110	40	60	120	90	90	130	90	130	140	50	130	90	70
	Magnesium	30	50	30	50	40	20	30	40	20	50	50	30	30	60	20	60	40	30
	Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead Iron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remakes improving the second s			NA	1	NA	1	1	NA	1	NA	1	NA	1	NA	1	NA	1	NA	1

### Samples of Drains of Panchkula Region

Nan	ne	befo disch Sec-2	ggar river re meeting arge of STP 8 at Kakrali, Punjab.		after ng arge of Sec-28 at ali,	Discha of STP 28, Panchl at Vill- Kakrali Punjab	, Sec- kula ,	befor meeti slaug	n choe e ng hter e ph-1,	MDC Dra before m manimaj domestio effluent, 18, Panc	eeting ra c Sector-	MDC Drain meeting m domestic Sector-18, Panchkula	animajra effluent,	Manimajra domestic before me MDC drair Sector-18, Panchkula	effluent eting is, near
Coordinates		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Quality criteria	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-
Remarks if any	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Temperature	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	pH	7.56		7.54		7.05		6.77		6.47		6.73		6.74	
	DC	-		-		-		-		-		-		-	
	DO	-		-		-		-		-		-		-	
		Odo		Odo		Odour		Odo		Odourle		Odourless		Odourless	
		urles		urle		less		urle		SS					
	Odour	S		ss ND		ND		SS		-				40.5	
	Oil & grease SS	ND 77		ND 88		ND 27		12 340		5 94		5.5 82		12.5 102	
	(Suspended soils)	//		00		27		540		94		02		102	
Organic Matter	BOD	7		7		8		110		60		64		82	
-		43.2		36		49.6		414.		220		267.2		289.6	
	COD							4							
Nutrienis	NH3-N	ND		ND		ND		22.4		18.48		28.56		30.24	
	No2	-		-		-		-		-		-		-	
	No3	-		-		-		-		-		-		-	
	Total p	-		-		-		-		-		-		-	
Microbiological		13,0 0,00		27,8 0,00		27,80, 000.0,		-		-		-		-	
	Total and faecal coliforms	0.0, 3,40, 000. 0		0.0, 4,00 ,000 .0		1,60,0 0,000. 0									
Toxic Metal	Toxic Metal	-		-		-		-		-		-		-	

Nan	ne	befo disch Sec-2	ggar river re meeting arge of STP 8 at Kakrali, Punjab.		after ing arge of Sec-28 at ali,	Discha of STP 28, Panchl at Vill- Kakrali Punjab	, Sec- cula ,	befor meeti slaug hous	h choe e ng	MDC Dra before m manimaj domestic effluent, 18, Panc	neeting ra c Sector-	MDC Drai meeting n domestic Sector-18 Panchkula	nanimajra effluent,	Manimajra domestic before me MDC drain Sector-18 Panchkula	effluent eting ns, near ,
	Calcium	-		-		-		-		-		-		-	
	Magnesium	-		-		-		-		-		-		-	
	Nickel	ND		ND		ND		ND		ND		ND		ND	
	Copper	ND		ND		ND		ND		ND		ND		ND	
	Chromium	ND		ND		ND		ND		ND		ND		ND	
	Zinc	0.03 6		0.09 6		0.151		0.04 7		0.102		0.048		0.131	
	Lead	-	-	-		-		-		-		-		-	
		0.00		0.03		0.076		0.03		0.136		0.039		0.167	
Remakes impr impro		8 not im	proved	2 not im	proved	not imp	roved	8 not im	proved	not impro	ved	not improv	ed	not improve	ed

Nan	ne	after i Sukhr Vill-	gar River meeting na Choe at karpur, b	Sukh choe Vill- Bhan ur, Pu	at	Ghagga River b meetin Sukhna Choe a Bhanka , Punja	efore g a t Vill- arpur	Bhan Moha	h, Vill- karpur, Ili before ing River	containir of Baltan & Army a zirakpur	at Vill- Punjab(Be lock	Sukhna cho meeting eff Ch., I.A ., B effleunt, ot colonies of and punjab I.A, Chandi	luent from altana her chandigarh etc., near.	Outlet of Ba before mee Sukhna Cho	ting
Coordinates		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Quality criteria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks if any	-	-	-	-	_	_	-	_	_	-	-	-	_	-	-
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Temperature	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	рН	7.6		6.9		7.57		6.6		6.85		6.87		6.85	
	DC	-		-		-		-		-		-		-	
	DO	-		-		-		-		-		-		-	
		Odo		Odo		Odour		Odo		Odourle		Odourless		Odourless	
		urles		urle		less		urle		SS					
	Odour	S		SS				SS							
	Oil & grease	ND		10		ND		14		8		13		11	
	SS (Suspended soils)	90		222		50		124		166.0.		190		98	
Organic Matter	BOD	9		120		7		68		100		90		70	
		65.6		398.		35.2		256		382.4		374.4		221.6	
	COD			4											
Nutrienis	NH3-N	ND		26.3 2		ND		20.1 6		16.24		21.28		19.6	
	No2	-		-		-		-		-		-		-	
	No3	-		-		-		-		-		-		-	
	Total p	-		-		-		-		-		-		-	
Microbiological	Total and faecal coliforms	34,5 0,00 0.0, 2,40, 000. 0		-		22, 10,00 0.0, 10,90, 000.0		-		-		-		-	
Toxic Metal	Toxic Metal	-		-		-		-		-		-		-	

Nan	ne	after r Sukhr Vill-	gar River neeting na Choe at karpur, b	Bhan	at	Ghagga River b meetin Sukhna Choe a Bhanka , Punja	efore g a t Vill- arpur	Bhan Moha	h, Vill- karpur, li before ng River	containii of Baltar & Army a zirakpur Dhakoli,l hind D-b	at Vill- Punjab(Be		fluent from Baltana Cher Chandigarh Detc., near.	Outlet of B before mee Sukhna Cho	ting
	Calcium Magnesium	-		-		-		-		-		-		-	
	Magnesium	-		-		-		-		-		-		-	
	Nickel	ND		ND		ND		ND		ND		ND		ND	
	Copper	ND		ND		ND		ND		ND		ND		ND	
	Chromium	ND		ND		ND		ND		ND		ND		ND	
	Zinc	0.10 6		0.09 1		0.063		0.07 2		0.056		0.085		0.102	
	Lead	-		-		-		-		-		-		-	
	Iron	0.03 3		0.16 4		0.062		0.07 9		0.054		0.136		0.122	
Remakes improv improved	ved or not	not im	proved	not impro	ved	not impi	roved	not im	proved	not impro	ved	not improve	ed	not improve	ed

Nan	ne	Sukhna near R Kalar Makha a be mee MDC	Raipur and inmajr fore ting	Outlet Chand domes effluer Bapud colony Chand	igarh stic nt near Iham /,	treated	ter meeting domestic of STP at hurd	Sirsa F Nawa Nagar Kalka, Panch	n ,	from Hima Industries effluent o Town at P	allah coming achal Pradesh and domestic f Parwanoo arwanoo P) near Kalka
Coordinates		-	-	-	-	-	-	-	-	-	-
Water Quality											
criteria	-	-	-	-	-	-	-	-	-	-	-
Remarks if any											
	-	-	-	-	-	-	-	-	-	-	-
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Temperature	-	-	-	-	-	-	-	-	-	-
	рН	6.8		6.81		6.77				7.97	
	DC	-		-		-				-	
	DO	-		-		-				-	
		Odo		Odo		Odour					
	Odour	urles s		urle		less				Bad	
	Oil & grease	3 10.0.		ss 12.5		5.5				8.5	
	SS	134		182		162				0.5	
	(Suspended soils)	131		102		102				50	
Organic Matter	BOD	86		80		70				80	
C		290.		297.		259.2					
	COD	2		6						329.2	
Nutrienis		27.4		20.7		19.04					
	NH3-N	4		2						-	
	No2	-		-		-				-	
	No3	-		-		-				-	
	Total p	-		-		-				-	
Microbiological	Total and faecal coliforms	-		-		-				_	
Toxic Metal	Toxic Metal	-		-		-				-	
	Calcium	-		-		-				100.08	
	Magnesium	-		-		-				23.814	
	Nickel	ND		ND		ND				ND	

Nan	ne	Sukhna near R Kalar Makha a be mee MDC	aipur and nmajr fore ting	Outlet Chand domes efflue Bapud colony Chand	ligarh stic nt near lham /,	treated	ter meeting domestic of STP at shurd	Sirsa F Nawaı Nagar, Kalka, Panch	י י	from Hima Industries effluent o Town at P	allah coming achal Pradesh and domestic f Parwanoo arwanoo P) near Kalka
	Copper	ND		ND		ND				ND	
	Chromium	ND		ND		ND				ND	
		0.08		0.08		0.067					
	Zinc			7						1.128	
	Lead	-		-		-				-	
		0.10		0.09		0.089					
	Iron	3		1						1.361	
Remakes improv improved	ed or not	not improv	ed	not im	proved	not impi	roved	not improv	ved	not impro	ved

Nan	ne	Ghaggar Rivo Surajpur, Pa Code- 1885)	er, Near nchkula(Station	Kaushalya la Panchkula (	ake, Surajpur, Code-1392)
Coordinates		-	-	-	-
Water Quality criteria	-	-	-	-	-
Remarks if any	_	-	_	-	_
General	Parameters	Jan	Feb	Jan	Feb
	Temperature	20.03	Sample	20.1	Sample
	pH	7.77	collected on	8.04	collected on
	DC	-	19.02.2019	-	25.02.2019
	DO	-	and report	-	and report
	Odour	Mild	awaited.	Odourless	awaited.
	Oil & grease	-		-	
	SS (Suspended soils)	67		7	
Organic Matter	BOD	6		3.4	
	COD	43.6		16.8	
Nutrienis	NH3-N	-		-	
	No2	-		-	
	No3	-		-	
	Total p	-		-	
Microbiological		16,00,000.		5420.0, nil	
	Total and faecal coliforms	0, 1,75,000.0			
Toxic Metal	Toxic Metal	-		-	]
	Calcium	41.6		65.6	]
	Magnesium	22.356		17.982	]
	Nickel	-		-	
	Copper	-		-	
	Chromium	-		-	
	Zinc	-		-	
	Lead	-		-	

Nan	ne	Ghaggar Riv Surajpur, Pa Code- 1885)	nchkula(Station	Kaushalya la Panchkula (	ake, Surajpur, Code-1392)
	Iron	-		-	
•	Iron makes improved or not improved		d	not improve	ed

## Samples of Drain of Jind Region at Bhiwani

Name	9	Near u Ghagga	ell No. 1, ostream ar River, e Chiali	Gurugwa	No. 2, Near ara, Village natia	Discharge of K	aithal Drain in River Ghaggar at Khanuri
Coordinates					-	L	
Water Quality criteria					-		
Remarks if any					-		
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb
	Temperature	-	-	-	-	-	Reports still awaited
	рН	6.92	7.58	ND	7.59	7.02	
	DC	-	-	-	-	-	
	DO	-	-	-	-	-	
	Odour	-	-	-	-	-	
	Oil & grease	ND	ND	ND	ND	ND	
	SS (Suspended soils)	ND	6	ND	ND	52	
Organic Matter	BOD	ND	ND	ND	ND	36	
	COD	9.6	13.6	8.4	8.5	117.6	
Nutrienis	NH3-N	-	-	-	-	-	
	No2	-	-	-	-	-	
	No3	-	-	-	-	-	
	Total p	-	-	-	-	-	
Microbiological	Total and faecal coliforms	-	-	-	-	-	
Toxic Metal	Toxic Metal	-	-	-	-	-	
	Calcium	-	-	-	-	-	
	Magnesium	-	-	-	-	-	
	Nickel	-	-	-	-	-	
	Copper	-	-	-	-	-	
	Chromium	-	-	-	-	-	

Name		Near u Ghagga	ell No. 1, ostream ar River, e Chiali	Gurugw	l No. 2, Near ara, Village hatia	Discharge of	Kaithal Drain in River Ghaggar at Khanuri
	Zine	-	-	-	-	-	
	Lead Iron	-	-	-	-	-	
Remakes improved or	Remakes improved or not improved					-	

## Samples of Drain of Fatehabad District

Nan	ne	Vill	Drain, age rail	Drai	wara n, Vill wara	Drair	wari n, Vill wari	Draiı	algarh n, Vill algarh	Drain	erpur , Near herpur		was Drain, was,Tohan a	Dra	itia ain, itia
Coordinates								-							
Water Quality criteria								-							
Remarks if any				-					-						
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Temperatur e	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	рН	8.2	8.4	8.2	8.5	8.6	8.3	7.9	8.2	8.3	8.1	8	8.2	7.6	8.1
	DC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	DO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Odour	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oil & grease	6	4	4	4	4	6	6	ND	6	4	2	8	4	4
	SS (Suspended	50	60	50	50	60	65		40	70	70		60	40	30
	soils)							50				50			
Organic Matter	BOD	16	18	16	14	22	24	18	10	28	26	12	22	18	18
	COD	72	64	40	56	88	96	64	40	96	128	24	128	56	96
Nutrienis	NH3-N	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	No2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	No3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total p	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Microbiological	Total and faecal coliforms	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Metal	Toxic Metal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Name		Narail Drain, Village Narail		Talwara Drain, Vill Talwara		Talwari Drain, Vill Talwari		Kanwalgarh Drain, Vill Kanwalgarh		Kherpur Drain, Near Vill Kherpur		Sadhanwas Drain, Sadhanwas,Tohan a		Ratia Drain, Ratia	
	Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zine	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead Iron	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Remakes improved or not improved		-	-		-									

# Samples of Drain of Sirsa District

Na	Mallewala Drain, Village Mallewala		Rania link Drain		Hisar-Ghaggar Drain at Firozabad, Sirsa		Rori- Ghaggar Drain		Discharge of PHED STP, Ellenabad, 7.5. MLD, Budhimedi Drain, Near Village Budhimedi.		Discharge of PHED STP, 15 MLD, Kelnia Drain, Kalnia, Sirsa		
Coordinates		•	•			-						•	
Water Quality criteria						-							
Remarks if any -		-		-		-		NIL Discharge		-		-	
General	Parameters	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb	Jan	Feb
	Temperature	-	-	-	-	-	-	-	-	-	-	-	-
	рН		8.7	8.6			8.1	-	-	8.2	-	8.2	-
	DC	-	-	-	-	-	-	-	-	-	-	-	-
	DO	-	-	-	-	-	-	-	-	-	-	-	-
	Odour	-	-	-	-	-	-	-	-	-	-	-	-
	Oil & grease	-	ND	ND	-	-	ND	-	-	4	-	4	-
	SS (Suspended soils)	-	220	80	-	-	130	-	-	20	-	24	-
Organic Matter	BOD	-	48	18	-	-	36	-	-	18	-	26	-
	COD	-	96	64	-	-	136	-	-	56	-	64	-
Nutrienis	NH3-N	-	-	-	-	-	-	-	-	-	-	-	-
	No2	-	-	-	-	-	-	-	-	-	-	-	-
	No3	-	-	-	-	-	-	-	-	-	-	-	-
	Total p	-	-	-	-	-	-	-	-	-	-	-	-
Microbiological	Total and faecal coliforms	-	-	-	-	-	-	-	-	-	-	-	-
Toxic Metal	Toxic Metal	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium	-	-	-	-	-	-	-	-	-	-	-	-
	Zine	-	-	-	-	-	-	-	-	-	-	-	-
	Lead Iron	-	-	-	-	-	-	-	-	-	-	-	-
Remakes improve					-								