

Questionnaire in respect of Hon'ble NGT orders dated 7.8.2018
in
OA No.138 & 139 of 2016 - Control of Pollution in River Ghaggar
(April, 2019)

1.	<p>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.</p> <p>River Markanda at kala Amb Yes, monthly meeting of District Level Special Task Force is being conducted regularly. So far seven such meetings of District Level Special Task Force have been conducted under the chairmanship of Deputy Commissioner, Sirmaur. Copies of the minutes of meetings are regularly being sent to the State Level Special Task Force.</p> <p>Sukhna Nallah at Parwanoo Regular meetings of District level Special Task Force are being held. The fifth meeting of District level Special Task Force was held on 01.05.2019. The monthly progress report is being regularly sent to the Nodal Officer HPPCB and MS HPPCB</p>																																
2.	<p>Whether the State level STF has furnished and submitted its three monthly Action taken report to the CPCB, New Delhi?</p> <p>The State Level STF has furnished and already submitted its three monthly Action Taken Report to the CPCB for the period up-to 31st March, 2018 to 1st January, 2019.</p>																																
3.	<p>Whether the reports of District/States STF's have been uploaded on the website of State Pollution Control Board?</p> <p>The monthly as well as three monthly Action Taken Report of District Level task Force and State Level Task Force (STF) have already been uploaded on the State Board's website at hppcb.nic.in under "NGT matter" Tab with name OA. No. 138 & 139.</p>																																
4.	<p>Whether the monitoring of the point sources into river Ghaggar with regard to parameters like pH, DO, BOD, T.coli, F.Coli, conductivity, Baron and DBU based on the analysis results of each pollution source into River Ghaggar has been carried out? If so, the analysis results thereof.</p> <p>River Markanda at Kala Amb Regular monitoring of JattanWala drain is being carried out by State Board. Results of JattanWala drain for last three months are as under:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr. No.</th> <th style="text-align: center;">Name of Location</th> <th style="text-align: center;">Period</th> <th style="text-align: center;">pH</th> <th style="text-align: center;">DO (mg/L)</th> <th style="text-align: center;">BOD (mg/L)</th> <th style="text-align: center;">FC (MPN/100ml)</th> <th style="text-align: center;">TC (MPN/100 ml)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Jattan Wala Drain</td> <td style="text-align: center;">January, 2019</td> <td style="text-align: center;">7.39</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">85</td> <td style="text-align: center;">>1600</td> <td style="text-align: center;">>1600</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Jattan Wala Drain</td> <td style="text-align: center;">February, 2019</td> <td style="text-align: center;">7.29</td> <td style="text-align: center;">1.3</td> <td style="text-align: center;">80</td> <td style="text-align: center;">40,000</td> <td style="text-align: center;">1,80,000</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">JattanWala</td> <td style="text-align: center;">March,</td> <td style="text-align: center;">7.5</td> <td style="text-align: center;">1.5</td> <td style="text-align: center;">65</td> <td style="text-align: center;">1,84,000</td> <td style="text-align: center;">3,20,000</td> </tr> </tbody> </table>	Sr. No.	Name of Location	Period	pH	DO (mg/L)	BOD (mg/L)	FC (MPN/100ml)	TC (MPN/100 ml)	1	Jattan Wala Drain	January, 2019	7.39	0.5	85	>1600	>1600	2	Jattan Wala Drain	February, 2019	7.29	1.3	80	40,000	1,80,000	3	JattanWala	March,	7.5	1.5	65	1,84,000	3,20,000
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	Drain	2019					
4	JattanWala Drain	April, 2019	7.76	0.3	27	70,000	1,84,000

Sukhna Nallah at Parwanoo

The lab results of SukhnaNallahatShivoti temple is as below –

LAB ANALYSIS RESULTS OF SAMPING CARRIED OUT AT SHIVLOTI TEMPLE FOR SUKHNA NALLAH,ORIGIN OF SUKHNA NALLAH							
	Month	pH	D.O. mg/l	COD mg/l	BOD mg/l	FC MPN /100ml	TC MPN /100ml
1	Jan-18	7.72	9.0	8.0	0.8	<1.8	6.0
2	Apr-18	7.71	8.5	4.0	0.2	8.3	<1.8
3	Jul-18	7.48	8.6	12.0	2.0	<1.8	4
4	Dec-18	7.74	8.0	8.0	1.0	5.8	25
5	Jan-19	8.42	8.2	4.0	0.1	<1.8	4.0
6	Mar-19	7.91	7.7	4.0	0.4	<1.8	<1.8
7	April- 19	7.08	8.0	4.0	0.2	<1.8	2

The lab results of water quality of SukhnaNallah at exit point of HP is as below –

Month/Year	pH	D.O. mg/l	COD mg/l	BOD mg/l	F.C. MPN /100ml	T.C. MPN /100ml
Oct. 2018	7.86	3.2	76.0	10.0	33.0	110
Nov. 2018	7.15	3.5	88.0	12.0	23.0	110
Dec. 2018	8.23	3.8	96.0	28.0	47.0	920
Jan. 2019	8.16	4.0	280.0	52.0	350	1600
Feb. 2019	8.24	6.5	8.0	0.6	1.8	6.0
Mar-19	7.69	5.0	264	72	920	>1600
Mar-19 (Jointly with HIMUDA)	7.05	5.0	60	10	-	-
April-19	7.55	5.2	56.0	16.0	17.0	47.0

The lab results of Samtel Nallah - contributing sources (point source) are compiled as per table below –

LAB ANALYSIS RESULTS OF SAMPING SAMTEL NALLAH							
	Month	pH	D.O. mg/l	COD mg/l	BOD mg/l	FC MPN /100ml	TC MPN /100ml
1.	April-19	5.93	4.0	472.0	220.0	>1600	>1600

5. List of Towns which have not provided STP's as per the time schedule mentioned in the Action Plan.

River Markanda at Kala Amb

There is no town in Himachal Pradesh on the bank of River Ghaggar. However there is a small village, Kala Amb on the bank of river Markanda. A CETP-cum-STP of capacity 5 MLD is already proposed for Kala Amb and an STP of capacity 1 MLD is proposed for Trilokpur & Kheri area. Timeline for completion of CETP-cum-STP is 31.01.2022 as per the action plan submitted in the Hon'ble National Green Tribunal.

Sukhna Nallah at Parwanoo

As per the approved action plan in the NGT Matter the time line for providing STP for Parwanoo town is 03 years i.e. by 31st January, 2022. Parwanoo town does not have a functional common STP as on date.

6. Percentage of the work done regarding installation of STPs of towns as per the time schedule mentioned in the Action Plan.

River Markanda at Kala Amb

CETP Kala Amb:-DPR for setting up of CETP has already been prepared by M/s Environ Technologies, Ankleshwar at an estimated cost of Rs. 20 Crore. Land for CETP-cum-STP has been acquired by Department of Industries and shall be transferred in the name of Special Purpose Vehicle established for setting up of CETP in a few days. Thereafter the Special Purpose Vehicle i.e. M/s Kala Amb Infrastructure Company will apply for Environment Clearance and Grant from Central Govt.

STP Trilokpur:-I&PH Nahan will carry out the installation of STP for Kheri and Trilokpur area. Tenders have already been floated for hiring consultancy services. District Administration have agreed to provide some funds from Mata BalaSundri Temple Trust for the same.

Sukhna Nallah at Parwanoo

The Executive Engineer, I&PH in the 5th DLSTF meeting under the Chairmanship of DC Solan has informed that a MoU has been signed by the French Government and GoHP for the installation of 02 Nos of STPs in Parwanoo area. He further informed that DPR for both the STPs has been prepared. The land has been identified which is owned by HIMUDA for one of the proposed STPs and for another STP process has been initiated for land identification of land near village Tipra. He further informed that real time online system for water quality monitoring shall be installed in River Kaushalya within one month and for the installation of Radar the tender shall be opened in the month of July,

2019.
No work at site has been started as on date.

7. List of industries presently discharging effluent into river Ghaggar.

River Markanda at Kala Amb

No industry in Kala Amb is directly discharging its effluent in River Ghaggar. However, some industries are discharging their treated water in Jattan Wala drain & other streams which in turn merges into River Markanda. List of industries who discharges their treated water into River Markanda directly or indirectly are as follows:

Sr. No.	Name of the unit	Address
1	AGV Fenestration (P) ltd.	Vill. Johron, Kala Amb.
2	Alps Communications	Village Rampur Jattan, Kala Amb
3	Art N Glass, Unit-I	Village Johron, Kala Amb
4	Art-N-Glass unit II	VillJohron, kalaAmb
5	Axsys Solutions	Village Johron, Kala Amb
6	C S Zircon Product.	Village Rampur Jattan, Trilokpur Road, Kala Amb.
7	Five Star Healthcare.	Vill. Ogli, Trilokpur Road, Kala Amb.
8	Geeta Industries	Vill. Ogli, Trilokpur Road, Kala Amb.
9	MMG Healthcare.	Vill. Johron Kala Amb.
10	Oscar Remedies	Vill. Johron Kala Amb.
11	Ovation Remides.	Village Johron, Kala Amb.
12	Pidilite Industries (Unit-III)	Rampur Jattan, Kala Amb
13	Pidilite Industry Ltd., (Unit-II)	Village Johron, Kala Amb, Distt. Sirmour.
14	Rich GravsisPvt. Ltd	Village Manthapal, Kala Amb
15	Ruchira Paper Mills Ltd.	Kala Amb, Distt. Sirmour HP.
16	Saboo Cylinder.	Ind Area Kala Amb.
17	Sagar Katha Factory	Trilokpur Road Kala Amb.
18	SarvBiolab (P) ltd.	Village Rampur Jattan, Trilokpur Road, Kala Amb.
19	Shree Krishna Steelage (P) ltd.	Trilokpur Road Kala Amb.
20	Systole Remedies.	Vill. Ogli, Trilokpur Road, Kala Amb.
21	Vinay Packaging (Athens Lab)	Vill. Rampur Jattan, Nahan Road, Kala Amb.
22	Virgo Aluminium	Village Rampurjattan, Kala Amb
23	Accura Care Pharmaceuticals (P) ltd.	Vill. Moginand, Kala Amb.
24	ElnovaPharma.	Village Moginand, Kala Amb.
25	KAG Industries	Village Moginand, Kala Amb
26	Gnosis Pharma.	Vill. Moginand Kala Amb.
27	Integrated Lab.	Moginand Kala Amb.
28	Welcure Remedies	Moginand Kala Amb.

29	SunvetPharmaPvt. Ltd.	Village Moginand, Kala Amb.
30	Shivam Enterprises	Suketi Road Kala Amb
31	Symboisis Pharmaceuticals.	Suketi Road, Kala Amb.
32	ProtechTelelinks	Suketi Road, Kala Amb.
33	Candour Pharmaceuticals	Suketi Road, Kala Amb.
34	Myron Industries	Village Ogli, Nahan Road, Kala Amb
35	Digital Vision.	Village Ogli, Kala Amb
36	Progressive Industries	Village Ogli, Nahan Road, Kala Amb
37	Bimal Industries Unit-II	IA, Village Johron, kalaamb
38	Bothra Metals & Alloys.	Vill. Kheri, Trilokpur Road, Kala Amb.
39	CBM Industries.	Village Kheri, Trilokpur Road, Kala Amb.
40	GMT Machine Tools	Village Johron, Kala Amb
41	Grampus Laboratories.	Vill. Johoron, Kala Amb.
42	JHS Svendgard Laboratories ltd.	Village Kheri, Trilokpur Road, Kala Amb.
43	MK Auto Clutch Co.	VillaheKheri, Kala Amb
44	Pashupati Spinning & Weaving Mills.	Village Kheri, Trilokpur Road, Kala Amb.
45	PushkarPharma.	Village Kheri, Meerpur Road, Kala Amb.
46	Sai Corporation	Village Johron, Kala Amb
47	Sai Tech Pharmaceuticals.	Vill. KheriTrilokpur Road, Kala Amb
48	ShivomCotspin ltd.	Vill. Kheri Kala Amb.
49	SPK Wire Products P. Ltd	Village Kheri, Trilokpur Road, Kala Amb
50	VaravBiogenesis P. Ltd	Village Johron, Kala Amb
51	Aqua Parental	Village Khari, Sadhora Road, Kala Amb
52	Orison Pharma	Vill. Ogli, Sadhora Road, Kala Amb
53	Primus Pharmaceutical	Village Kheri, Sadhora Road, Kala Amb
54	SPT Industries	Village Ogli, Sadhora Road, Kala Amb
55	JMM Laboratories	Sadhora Road Kala Amb.

Sukhna Nallah at Parwanoo

No industry is directly discharging treated effluent into River Ghaggar as on date as the same dose not traverses from the State of HP. As on date there are 48 water polluting industries in Parwanoo area in the catchment of SukhnaNallah. The list of indl units in the catchment of Sukhna Nallah and discharging treated waste water either from ETP or STP into Sukhna Nallah or contributing drain thereof are as below :

	Name and address of Industry	Cat	Type of Industry	Sub - Catchment	Whether directly discharging	Rem
1	Daljeet Electroplating-Sec 2 -,Town:Parwanoo	R	Electroplating	Sukhna Nallah	N	ZLD
2	Premier Electroplating Works-Sec 2 -	R	Electroplating	Sukhna Nallah	N	ZLD

	,Town:Parwanoo					
3	Solchrome Private Limited-Sec -V, ,Town:Parwanoo	R	Electroplating	Sukhna Nallah	N	ZLD
4	Mahadev Pharmaceuticals- OLD KAUSALI ROAD OPP. Sec - 4	O	Electroplating	Sukhna Nallah	Y	
5	Huhtemati Industries, Village Ambota, Parwanoo	O	Ink Prinitng	Sukhna Nallah	Y	
6	Maxwell Pharma- Plot 06, Sec 5, Parwanoo	O	Pharamceuticals Formulation	Sukhna Nallah	Y	
7	Total Health Care Pvt. Limited-Sec 5, VillAmobta - ,Town:Parwanoo	O	Pharamceuticals Formulation	Sukhna Nallah	Y	
8	AVI Technologies, Sec - V, Parwanoo	O	Pharamceuticals Formulation	Sukhna Nallah	Y	
9	Hanuchem Laboratories- Sec 5 -,Town:Parwanoo	O	Pharamceuticals Formulation	Sukhna Nallah	Y	
10	Krishnaav Engineering Limited-Industrial Area, Sec -5,Town:Parwanoo	R	Engineering	Sukhna Nallah	Y	
11	Tafe Motors & Tractors Ltd, Parwanoo	O	Engineering	Sukhna Nallah	Y	
12	Legan health care, Sec - 5, Parwanoo	O	Pharamceuticals Formulation	Sukhna Nallah	Y	
13	Ind-Sphinx Limited	O	Engineering	Sukhna Nallah	Y	
14	Haimi Agro Products, Sec -5, Parwanoo	R	Pesticide formulation	Sukhna Nallah	Y	
15	Hpmc Limited, Fruit Processing Plant,-- - ,Town:PARWANOO	O	Fruit processing	Sukhna Nallah	Y	
16	Kamla Fabricator, Sec -5, Parwanoo	O	Phosphating	Sukhna Nallah	Y	
17	MicrotekInfosoft Ltd, Sec -5, Parwanoo	O	Electricals & electronics	Sukhna Nallah	N	
18	Richfeel Health & Beauty Pvt. Ltd-VillTaksal -	O	Cosmetics	Sukhna Nallah	N	CLOSED

	,Town:Parwanoo					
19	Coral Healthcare Pvt. Ltd.- Industrial area - ,Town:Parwanoo	O	Pharamceuticals Formulation	Sukhna Nallah	N	CLOSED
20	Himachal Soap & Detergents Private Limited-- - ,Town:PARWANOO	O	Pharamceuticals Formulation	Sukhna Nallah	N	CLOSED
21	Apex Industries, Plot No. 29, Sec -5, Parwanoo	R	Phosphating	Sukhna Nallah	N	
22	Novateaur Electrical Solutions, Sector 02, Parwanoo	G	Plastic Industry	Sukhna Nallah	Y	
TOTAL NO OF UNITS DIRECT IN THE SUKHNA NALLAH CATCHMENT = 22						
23	Visage Beauty & Healthcare Pvt Ltd, VILLAGE NARYAL, Parwanoo	O	Cosmetics	Sector 4 nallah	Y	
24	Micro Turner, Village Naryal, Prawanoo	O	Engineering	Sector 4 nallah	Y	
25	Fujiyama Power systems	O	Electricals & electronics	Sector 4 nallah	Y	
26	Modulus prefab unit II	O	Phosphating	Sector 4 nallah	Y	
27	Siddharatha Industries / Green Chef, Village Naryal, Parwanoo	O	Fruit processing	Sector 4 nallah	Y	
TOTAL NO OF UNITS IN SECTOR 04 NALLAH CATCHMENT = 05						
28	Morepen Laboratory Limited 12 B, Sec -2, Parwanoo	O	Pharamceuticals Formulation	Samtel Nallah	Y	
29	S.K.Industries-Sec -2 PARWANOO ,Town:PARWANOO	O	Confectionary	Samtel Nallah	Y	
30	Mahle Filter System India Ltd, Sec - II, Parwanoo	O	Engineering	Samtel Nallah	Y	
31	Mahle Filter System India Ltd, Sec - 1, Parwanoo	O	Engineering	Samtel Nallah	Y	

32	Gabrial India Limited , Parwanoo	R	Engineering	Samtel Nallah	Y	
33	federal Mogul Bearing india Limited	R	Electroplating	Samtel Nallah	Y	
34	Milestone Gears Pvt Limited Unit-V,	O	Engineering	Samtel Nallah	Y	
35	Salico Trading Co. Private Limited, Sec -1, Parwanoo	O	Engineering	Samtel Nallah	Y	
36	AargeHealthcraft, Plot No. 12A, Sec -2, Parwanoo	O	Pharamceuticals Formulation	Samtel Nallah	Y	
37	BalajiPowertronics	O	Electricals & electronics	Samtel Nallah	Y	
38	Morepen Laboratory Limited 12 C, Sec -2, Parwanoo	O	LPG gas stove	Samtel Nallah	Y	
39	Mace Biotech, Sec -1, Parwanoo	O	Pharamceuticals Formulation	Samtel Nallah	Y	
40	Bakson Drugs & Pharma P Limited (Unit Ii), Plot No. 6, Sec -1, Prw	O	Pharamceuticals Formulation	Samtel Nallah	Y	
41	Universal Powertronic	O	Electricals & electronics	Samtel Nallah	Y	
42	Himachal Fastner-Sec -1 Parwanoo, Town:Parwanoo	R	Electroplating	Samtel Nallah	N	ZLD
43	Himachal Power Products, Sec -1, Parwanoo	O	Electricals & electronics	Samtel Nallah	Y	
44	Shivalik Industries, Sec - 2, parwanoo	O	Electricals & electronics	Samtel Nallah	Y	
45	Dee Emm Electroplating- Sec 2, Below Gabrial Road, Parwanoo	R	Electroplating	Samtel Nallah	N	CLOSED
46	AM Enterprises, Uncha Parwanoo, Sec -1, Parwanoo	O	Pharamceuticals Formulation	Samtel Nallah	Y	
47	Hilton Pricision Pvt. Limited-Sec 2, Parwanoo - , Town:Parwanoo	O	Phosphating	Samtel Nallah	N	CLOSED
48	Steelium Industries, Plot No. 8, Sec - 1, Parwanoo	R	Phosphating	Samtel Nallah	N	CLOSED

TOTAL NO OF UNITS IN SAMTEL NALLAH CATCHMENT= 21	
TOTAL NO OF UNITS = 48	

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

River Markanda at Kala Amb

- AdwinPharma, Village Rampur Jattan, Kala Amb
- SidhiVinayak Industries, Village Johron, Kala Amb.

Both the units have installed evaporator, thus ensuring zero discharge into JattanWala drain. Now total water polluting industries in Kala Amb who have installed evaporator has risen up to 19. Further, one unit is closed due to renovation and 19 units are reusing the treated water for gardening or in the process.

Sukhna Nallah at Parwanoo

- Out of these 48 no of units--
- 04 No of units have installed evaporators and have become Zero Liquid Discharge units.
- 06 no of units are closed as on date.

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

River Markanda at Kala Amb

24 Nos. of water samples were collected from the outlet of ETPs/STPs of different industries in April, 2019. As per analysis reports received from the Regional Lab, Paonta Sahib, results of following four units have been observed above the permissible limit to whom notices have been issued:-

- M/s Athens Life Sciences, Village Rampur Jattan, Kala Amb
- M/s Candour Pharmaceuticals, Suketi Road, Kala Amb
- M/s Blue Star, Unit-II, Village Ogli, Nahan Road, Kala Amb
- JHS Svendguard Laboratories, Village Kheri, Trilokpur Road, Kala Amb.

Sukhna Nallah at Parwanoo

Regular sampling and inspection is being carried out by the State Board and notices have been issued to defaulting industries. The names of such units is as below :-

1. M/s Satol Chemicals, Plot no 42, Sector 01 Parwanoo
2. M/s Krishnav Engineering, Plot No 11 Sector 05 Parwanoo.
3. M/s AargeeHealthcraft, Plot no 12 , Sec 02 Parwanoo
4. M/s AVI Technologie, Plot no 16-17 Sector -5 Parwanoo

Besides this directions have also been issued to -

- a) Executive Officer, MC Parwanoo
- b) Executive Engineer, HIMUDA Parwanoo
- c) Block Development Officer Dharampur

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

River Markanda at Kala Amb

Nil

Sukhna Nallah at Parwanoo

Disconnection of power supply has been implemented against 02 number of units-

1. M/s Shiv Industries, Old Gas Godown, Village Ambota, Sector-05, arwanoo.
2. M/s Satol Chemicals (Unit-2), Plot No. 42, Sector-01, Parwanoo.

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

River Mrakanda at Kala Amb

There are numerous road side dhabas/butcher shops/sabjiwalas who are dumping their solid/liquid waste into the drains nearby and thus choking them. Water stagnation and decaying biodegradable waste is also deteriorating the water quality of River Markanda. Two challans of industries amounting to Rs. 10,000/- were done in April, 2019 for littering under HP Non-Biodegradable Garbage Act, 2005.

Sukhna Nallah at Parwanoo

Recommendation of Prosecution under relevant sections of IPC has been recommended to MS HPPCB for sanction. The name of these 02 agencies is –

1. The Regional manager, HRTC Workshop Parwanoo
For operating without consent and without providing requisite pollution control devices.
2. The Regional Director, ESIC Baddi

The Authority responsible for providing pollution control devices at ESIC Hospital Parwanoo

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.

River Markanda at kala Amb

River Markanda was found dry downstream Kala Amb in the month of April, 2019. Hence, sample could not be collected. However, water quality of River Markanda upstream Kala Amb was found of “Class A”. Results of River Markanda upstream Kala Amb, downstream Kala Amb and JattanWala drain for last three months are tabulated as below:

Water Quality Status of River Markanda							
Sr. No.	Name of Location	Period	pH	DO (mg/L)	BOD (mg/L)	FC (MPN/100ml)	TC 9 (MPN/100 ml)
1	River Markanda U/s Jattanwala Drain	January, 2019	8.03	10.2	2	17	41
2	JattanWala Drain		7.39	0.5	85	>1600	>1600
3	River Markanda		7.78	6.4	5	>1600	>1600

	D/s Jattanwala Drain						
1	River Markanda U/s Jattanwala Drain	February, 2019	7.66	8.7	0.7	26	70
2	JattanWala Drain		7.29	1.3	80	40,000	1,80,000
3	River Markanda D/s Jattanwala Drain		7.88	5.8	7.5	22,000	56,000
1	River Markanda U/s Jattanwala Drain	March, 2019	7.86	8.5	1.2	31	84
2	JattanWala Drain		7.5	1.5	65	1,84,000	3,20,000
3	River Markanda D/s Jattanwala Drain		7.59	5.3	12	70,000	1,84,000
1	River Markanda U/s Jattanwala Drain	April, 2019	8.2	11	0.8	32	94
2	JattanWala Drain		7.76	0.3	27	70,000	1,84,000
3	River Markanda D/s Jattanwala Drain		Source was found dry				

Sukhna Nallah at Parwanoo

The results of water quality of Sukhna Nallahat Shitvloti Temple are as below –

LAB ANALYSIS RESULTS OF SAMPING CARRIED OUT AT SHIVLOTI TEMPLE FOR SUKHNA NALLAH,ORIGIN OF SUKHNA NALLAH							
	Month	pH	D.O. mg/l	COD mg/l	BOD mg/l	FC MPN /100ml	TC MPN /100ml
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2	Apr-18	7.71	8.5	4.0	0.2	8.3	<1.8
3	Jul-18	7.48	8.6	12.0	2.0	<1.8	4
4	Dec-18	7.74	8.0	8.0	1.0	5.8	25
5	Jan-19	8.42	8.2	4.0	0.1	<1.8	4.0
6	Mar-19	7.91	7.7	4.0	0.4	<1.8	<1.8
7	April-19	7.08	8.0	4.0	0.2	<1.8	2.0

The lab results of water quality of Sukhna Nallah at exit point of HP is as bleow –

Month/Year	pH	D.O. mg/l	COD mg/l	BOD mg/l	F.C. MPN /100ml	T.C. MPN /100ml
Oct. 2018	7.86	3.2	76.0	10.0	33.0	110
Nov. 2018	7.15	3.5	88.0	12.0	23.0	110
Dec. 2018	8.23	3.8	96.0	28.0	47.0	920
Jan. 2019	8.16	4.0	280.0	52.0	350	1600
Feb. 2019	8.24	6.5	8.0	0.6	1.8	6.0
Mar-19	7.69	5.0	264	72	920	>1600
Mar-19 (Jointly with HIMUDA)	7.05	5.0	60	10	-	-
April-19	7.55	5.2	56.0	16.0	17.0	47.0

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

River Markanda at Kala Amb

Regular Sampling of industrial borewells and tubewells by I&PH and HPSPCB is being carried out and till 30 April, 2019 14 samples from industrial borewells of different industries have been collected. Out of these 14 ground water samples, three samples were collected in the month of April, 2019. As per analysis report all the parameters are within the permissible limits.

Sukhna Nallah at Parwanoo

02 rounds of ground water sampling has been carried out till date

One by I&PH and another jointly by HPPCB and I&PH. No ground water contamination has been observed as per the lab results available.

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

4 Multi-Specialty Health Camps have been organized by Deptt. of Health and Family Welfare in Kala Amb area on 07.12.2018, 15.01.2019, 06.03.2019 & 22.04.2019 and approx. 700 individuals were benefitted from the same.

Sukhna Nallah at Parwanoo

04 Health camps have been organized till date.

The Last two health camps have been organized on

01 March 2019 in Taksalareaand

22 April 2019 in Kamli village

The next health camp is scheduled to be held on 28th May 2019 in the area by the health department GoHP.

Questionnaire in respect of Hon'ble NGT orders dated 7.8.2018 in OA No.138 & 139 of 2016 - Control of Pollution in River Ghaggar (June, 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.**

River Markanda at Kala Amb

Yes, monthly meeting of District Level Special Task Force is being conducted regularly. So far eight such meetings of District Level Special Task Force have been conducted under the chairmanship of Deputy Commissioner, Sirmaur. Copies of the minutes of meetings are regularly being sent to the State Level Special Task Force.

Sukhna Nallah at Parwanoo

Regular meetings of District level Special Task Force are being held. The 6th meeting of District level Special Task Force was held on 29.06.2019 and the minutes of meeting are enclosed herewith. The monthly progress report is being regularly sent to the Nodal Officer HPPCB and MS HPPCB.

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 already submitted its three monthly Action Taken Report to the CPCB for the period up-to 31st March, 2018 to 1st January, 2019.

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

The monthly as well as three monthly Action Taken Report of District Level task Force and State Level Task Force (STF) have already been uploaded on the State Board's website at hppcb.nic.in under "NGT matter" Tab with name OA. No. 138 & 139.

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

River Markanda at Kala Amb

Regular monitoring of Jattan Wala drain is being carried out by State Board. Results of Jattan Wala drain for year 2019 are as under:

Sr. No.	Name of Location	Period	pH	DO (mg/L)	BOD (mg/L)	FC (MPN/100ml)	TC (MPN/100 ml)
1	Jattan Wala Drain	January, 2019	7.39	0.5	85	>1600	>1600
2	Jattan Wala Drain	February, 2019	7.29	1.3	80	40,000	1,80,000
3	Jattan Wala Drain	March, 2019	7.5	1.5	65	1,84,000	3,20,000
4	Jattan Wala Drain	April, 2019	7.76	0.3	27	70,000	1,84,000
5	Jattan Wala Drain	May, 2019	7.5	0.3	20	108000	320000
6	Jattan Wala Drain	June, 2019	7.62	0.8	18	70,000	1,84,000

Sukhna Nallah at Parwanoo

The analysis results of **Sukhna Nallah at Kalka/Himachal barrier (Exit point of HP)** is as below:-

Month/Y ear	pH	D.O. mg/l	COD mg/l	BOD mg/l	F.C. MPN /100ml	T.C. MPN /100ml
May, 2019	7.92	4.2	120	25	220	920
June, 2019	7.93	2.5	104	32	240	540

The analysis results of **Samtel nallah (Point Source of Sukhana Nallah)** is as below:-

Month/Y ear	pH	D.O. mg/l	COD mg/l	BOD mg/l	F.C. MPN /100ml	T.C. MPN /100ml
May, 2019	7.92	4.2	120	25	220	920
June, 2019	7.93	2.5	104	32	240	540

5. List of Towns which have not provided STP's as per the time schedule mentioned in the Action Plan.

River Markanda at Kala Amb

There is no town in Himachal Pradesh on the bank of River Ghaggar. However there is a small village, Kala Amb on the bank of river Markanda. A CETP-cum-STP of capacity 5 MLD is already proposed for Kala Amb and an STP of capacity 1 MLD is proposed for Trilokpur & Kheri area. Timeline for completion of CETP-cum-STP is 31.01.2022 as per the action plan submitted in the Hon'ble National Green Tribunal.

Sukhna Nallah at Parwanoo

As per the approved action plan in the NGT Matter, the time line for providing STP for Parwanoo town is 03 years. Parwanoo town does not have a functional common STP as on date.

The Executive Engineer I&PH Solan informed that the matter of funding of the STPs at Parwanoo has been sorted out and the French Agency (AFD) has agreed to fund the pipeline network and for the construction of the common STP also.

The site has been identified for installation of 02 STPs for Parwanoo area.

6. Percentage of the work done regarding installation of STPs of towns as per the time schedule mentioned in the Action Plan.

River Markanda at Kala Amb

CETP Kala Amb:- DPR for setting up of CETP has already been prepared by M/s Environ Technologies, Ankleshwar at an estimated cost of Rs. 20 Crore. Land for CETP-cum-STP has been acquired by Department of Industries and shall be transferred in the name of Special Purpose Vehicle established for setting up of CETP after they collect the membership fund from all the industries. Thereafter the Special Purpose Vehicle i.e. M/s Kala Amb Infrastructure Company will apply for Environment Clearance and Grant from Central Govt.

STP Trilokpur:- I&PH Nahan will carry out the installation of STP for Khairi and Trilokpur area. Work of preparing DPR for setting up STP at Khairi has been awarded and land for the same has been identified by I&PH. The case of transfer of land is under progress.

Sukhna Nallah at Parwanoo

The Executive Engineer, I&PH in the 6th DLSTF meeting under the Chairmanship of DC Solan has informed that a MoU has been signed by the French Government and GoHP for the installation of 02 Nos of STPs in Parwanoo area. He further informed that DPR for both the STPs has been prepared. The land has been identified which is owned by HIMUDA for one of the proposed STPs and for another STP process has been initiated for land identification of land near village Tipra.

He further informed that real time online system for water quality monitoring shall be installed in River Kaushalya before 31st July, 2019 and for the installation of Radar the tender shall be opened in the month of July, 2019.

No work at site has been started as on date.

7. List of industries presently discharging effluent into river Ghaggar.

River Markanda at Kala Amb

No industry in Kala Amb is directly discharging its effluent in River Ghaggar. However, some industries are discharging their treated water in Jattan Wala drain & other streams which in turn merges into River Markanda. List of industries who discharges their treated water into River Markanda directly or indirectly are as follows:

Sr. No.	Name of the unit	Address
1	AGV Fenestration (P) ltd.	Vill. Johron, Kala Amb.
2	Alps Communications	Village Rampur Jattan, Kala Amb
3	Art N Glass, Unit-I	Village Johron, Kala Amb
4	Art-N-Glass unit II	Vill Johron, kala Amb
5	Axsys Solutions	Village Johron, Kala Amb
6	C S Zircon Product.	Village Rampur Jattan, Trilokpur Road, Kala Amb.
7	Five Star Healthcare.	Vill. Ogli, Trilokpur Road, Kala Amb.
8	Geeta Industries	Vill. Ogli, Trilokpur Road, Kala Amb.
9	MMG Healthcare.	Vill. Johron Kala Amb.
10	Oscar Remedies	Vill. Johron Kala Amb.
11	Ovation Remides.	Village Johron, Kala Amb.
12	Pidilite Industries (Unit-III)	Rampur Jattan, Kala Amb
13	Pidilite Industry Ltd., (Unit-II)	Village Johron, Kala Amb, Distt. Sirmour.
14	Rich Gravis Pvt. Ltd	Village Manthapal, Kala Amb
15	Ruchira Papers Ltd. (Writing & Printing Unit)	Kala Amb, Distt. Sirmour HP.
16	Ruchira Papers Ltd. (Kraft Paper Unit)	Kala Amb, Distt. Sirmour HP.
17	Saboo Cylinder.	Ind Area Kala Amb.
18	Sagar Katha Factory	Trilokpur Road Kala Amb.
19	Sarv Biolab (P) ltd.	Village Rampur Jattan, Trilokpur Road, Kala Amb.
20	Shree Krishna Steelage (P) ltd.	Trilokpur Road Kala Amb.
21	Systole Remedies.	Vill. Ogli, Trilokpur Road, Kala Amb.

22	Vinay Packaging (Athens Lab)	Vill. Rampur Jattan, Nahan Road, Kala Amb.
23	Virgo Aluminium	Village Rampurjattan, Kala Amb
24	Accura Care Pharmaceuticals (P) Ltd.	Vill. Moginand, Kala Amb.
25	Elnova Pharma.	Village Moginand, Kala Amb.
26	KAG Industries	Village Moginand, Kala Amb
27	Gnosis Pharma.	Vill. Moginand Kala Amb.
28	Integrated Lab.	Moginand Kala Amb.
29	Welcure Remedies	Moginand Kala Amb.
30	Sunvet Pharma Pvt. Ltd.	Village Moginand, Kala Amb.
31	Shivam Enterprises	Suketi Road Kala Amb
32	Symboisis Pharmaceuticals.	Suketi Road, Kala Amb.
33	Protech Telelinks	Suketi Road, Kala Amb.
34	Candour Pharmaceuticals	Suketi Road, Kala Amb.
35	Myron Industries	Village Ogli, Nahan Road, Kala Amb
36	Digital Vision.	Village Ogli, Kala Amb
37	Progressive Industries	Village Ogli, Nahan Road, Kala Amb
38	Bimal Industries Unit-II	IA, Village Johron, kala amb
39	Bothra Metals & Alloys.	Vill. Kheri, Trilokpur Road, Kala Amb.
40	CBM Industries.	Village Kheri, Trilokpur Road, Kala Amb.
41	GMT Machine Tools	Village Johron, Kala Amb
42	Grampus Laboratories.	Vill. Johoron, Kala Amb.
43	JHS Svendgard Laboratories Ltd.	Village Kheri, Trilokpur Road, Kala Amb.
44	MK Auto Clutch Co.	Villahe Kheri, Kala Amb
45	Pashupati Spinning & Weaving Mills.	Village Kheri, Trilokpur Road, Kala Amb.
46	Pushkar Pharma.	Village Kheri, Meerpur Road, Kala Amb.
47	Sai Corporation	Village Johron, Kala Amb
48	Sai Tech Pharmaceuticals.	Vill. Kheri Trilokpur Road, Kala Amb
49	Shivom Cotspin Ltd.	Vill. Kheri Kala Amb.
50	SPK Wire Products P. Ltd	Village Kheri, Trilokpur Road, Kala Amb
51	Varav Biogenesis P. Ltd	Village Johron, Kala Amb
52	Aqua Parental	Village Khari, Sadhora Road, Kala Amb
53	Orison Pharma	Vill. Ogli, Sadhora Road, Kala Amb
54	Primus Pharmaceutical	Village Kheri, Sadhora Road, Kala Amb
55	SPT Industries	Village Ogli, Sadhora Road, Kala Amb
56	JMM Laboratories	Sadhora Road Kala Amb.

Sukhna Nallah at Parwanoo

No industry is directly discharging treated effluent into River Ghaggar as on date as the same dose not traverses from the State of HP.

As on date there are 48 water polluting industries in Parwanoo area in the catchment of Sukhna Nallah. The industrial units are discharging treated effluent either from ETP or STP into Sukhna Nallah or contributing drain.

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

River Markanda at Kala Amb

18 No. of industries have installed evaporators in their units, thus ensuring zero discharge. Further, one unit is closed due to renovation and 19 units are reusing the treated water for gardening or in the process.

Sukhna Nallah at Parwanoo

- Out of these 48 no of units:-
- 04 No of units have installed evaporators and have become Zero Liquid Discharge units.
- 06 no of units are closed as on date.
- The rest of industrial units are discharging treated effluent either from ETP or STP into Sukhna Nallah or contributing drain.
- No industry is directly discharging treated effluent into River Ghaggar as on date as the same dose not traverses from the State of HP.

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

River Markanda at Kala Amb

20 Nos. of water samples were collected from the outlet of ETPs/STPs of different industries in June, 2019. As per analysis reports received from the Regional Lab, Paonta Sahib, results of following one unit has been observed above the permissible limit to whom notices have been issued:-

- M/s Saboo Cylinders, Trilokpur Road, Kala Amb

Sukhna Nallah at Parwanoo

Regular sampling and inspection is being carried out by the State Board and notices have been issued to defaulting industries. The names of such units is as below :-

1. M/s Sweet Industries India Pvt Ltd., Plot No. 17, Sector -1, Parwanoo.

Besides this directions have also been issued to -

- a) Executive Officer, MC Parwanoo
- b) Executive Engineer, HIMUDA Parwanoo
- c) Block Development Officer, Dharampur

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

River Markanda at Kala Amb

Nil

Sukhna Nallah at Parwanoo

Disconnection of power supply has been implemented against 01 number of unit-

1. M/s Sweet Industries India Pvt Ltd., Plot No. 17, Sector -1, Parwanoo.

The HPSPCB has launched a project in the name of WaPIS (Water Invigorating Plantation Abhiyan) and has planted water purifier plants in the catchment of Sukhna Nallah. About 1100 such plants have been planted from 25 May 2019 till date. HPSPCB has also organized a cleanliness drive of Sector 4 Nala and Samtel Nala on the occasion of World Yoga Day on 21st June, 2019. Approx. 300 volunteers from different industries and Govt. agencies participated in the cleanliness drive program from 09.00 AM to 02.00 PM. Approx. 20 Tons waste was collected during the cleanliness drive and was disposed in Sector V dumping Site of MC Parwanoo.

During cleanliness drive, huge quality of plastic waste was found dumping into Samtel Nala. HPSPCB identified the violator industry i.e. M/s Sweet Industries India Pvt Ltd., Plot No. 17, Sector -1, Parwanoo and imposed a challan of Rs. 25000/- under the provision of HP Non Biodegradable Garbage (Control) Act, 1995. HPSPCB also issued orders for disconnection of power supply of unit. HPSPCB further imposed Environmental Compensation of Rs 25000/- on the unit and directed to clean the Samtel Nala. The unit complied with direction of HPSPCB and recovered all plastic waste from the Samtel Nala and disposed of in MC Parwanoo dumping site at Sector V.

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

River Markanda at Kala Amb

There are numerous road side dhabas/butcher shops/sabji walas/Kabaris who are dumping their solid/liquid waste into the drains nearby and thus choking them. Water stagnation and decaying biodegradable waste is also deteriorating the water quality of River Markanda. Two challans of industries amounting to Rs. 6,000/-were done in June, 2019 for littering under HP Non-Biodegradable Garbage Act, 2005.

Apart from this HP State Pollution Control Board, Paonta Sahib carried out a cleanliness drive in Kala Amb area from 19th to 21st June, 2019 in which almost 400 participants from various industries, school and Govt. offices collected more than 15MT of Solid waste from various streams of Kala Amb area. Solid waste was disposed of at Waste Management site of MC Nahan.

Sukhna Nallah at Parwanoo

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.

River Markanda at Kala Amb

River Markanda was found dry downstream Kala Amb in the month of April, 2019. Hence, sample could not be collected. However, water quality of River Markanda upstream Kala Amb was found of “Class A”. Results of River Markanda upstream Kala Amb, downstream Kala Amb and Jattan-Wala drain for last three months are tabulated as below:

Water Quality Status of River Markanda							
Sr. No.	Name of Location	Period	pH	DO (mg/L)	BOD (mg/L)	FC (MPN /100ml)	TC 9 (MPN/100 ml)
1	River Markanda U/s Jattanwala Drain	January, 2019	8.03	10.2	2	17	41
2	Jattan Wala Drain		7.39	0.5	85	>1600	>1600
3	River Markanda D/s Jattanwala Drain		7.78	6.4	5	>1600	>1600
1	River Markanda U/s Jattanwala Drain	February, 2019	7.66	8.7	0.7	26	70
2	Jattan Wala Drain		7.29	1.3	80	40,000	1,80,000
3	River Markanda D/s		7.88	5.8	7.5	22,000	56,000

	Jattanwala Drain							
1	River Markanda U/s Jattanwala Drain	March, 2019	7.86	8.5	1.2	31	84	
2	Jattan Wala Drain		7.5	1.5	65	1,84,000	3,20,000	
3	River Markanda D/s Jattanwala Drain		7.59	5.3	12	70,000	1,84,000	
1	River Markanda U/s Jattanwala Drain	April, 2019	8.2	11	0.8	32	94	
2	Jattan Wala Drain		7.76	0.3	27	70,000	1,84,000	
3	River Markanda D/s Jattanwala Drain		Source was found dry					
1	River Markanda U/s Jattanwala Drain	May, 2019	7.47	6.7	0.9	49	170	
2	Jattan Wala Drain		7.5	0.3	20	108000	320000	
3	River Markanda D/s Jattanwala Drain		Source was found dry					
1	River Markanda U/s Jattanwala Drain	June, 2019	Source was found dry					
2	Jattan Wala Drain		7.62	0.8	18	70000	184000	
3	River Markanda D/s Jattanwala Drain		Source was found dry					

Sukhna Nallah at Parwanoo

The analysis results of water quality of **Sukhna Nallah at Shivloti Temple (entry point)** are as below –

Month/Year	pH	D.O. mg/l	COD mg/l	BOD mg/l	F.C. MPN /100ml	T.C.MPN /100ml
May, 2019	7.64	7.5	4.0	0.5	1.8	10.0
June, 2019	8.46	7.2	4.0	0.6	1.8	5.5

The analysis results of **Sukhna Nallah at Kalka/Himachal barrier (Exit point of HP)** is as below:

Month/Year	pH	D.O. mg/l	COD mg/l	BOD mg/l	F.C. MPN /100ml	T.C.MPN /100ml
May, 2019	7.92	4.2	120	25	220	920
June, 2019	7.93	2.5	104	32	240	540

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

River Markanda at kala Amb

Regular Sampling of industrial borewells and tubewells by I&PH and HPSPCB is being carried out and till June, 2019 17 samples from industrial borewells of different industries have been collected. As per analysis reports received so far all the parameters are within the permissible limits.

Sukhna Nallah at Parwanoo

- 02 rounds of ground water sampling has been carried out till date
- One by I&PH and another jointly by HPPCB and I&PH. No ground water contamination has been observed as per the lab results available.

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

River Markanda at Kala Amb

6 Multi-Specialty Health Camps have been organized by Deptt. of Health and Family Welfare in Kala Amb area on 07.12.2018, 15.01.2019, 06.03.2019, 22.04.2019, 25.05.2019 & 19.06.2019 and more than 1000 individuals were benefitted from the same. For the month of June, 2019 health camp was organized at Himalayan Group of Institutions, Kala Amb in which approx. 150 patients were examined.

Sukhna Nallah at Parwanoo

- 04 Health camps have been organized till date.
- The Last two health camps have been organized on 01 March 2019 in Taksal area and 22 April 2019 in Kamli village