

Quarterly Action Taken Report of Haryana in matter of OA No. 673 of 2018 “More River Stretches are critically now polluted: CPCB”, OA No. 138 of 2016 “Stench Grips Mansa’s Sacred River Ghaggar” and reg. Ghaggar action plan for the period October, 2019 to December, 2019.

The State of Haryana has already submitted Action Plan for control of pollution in River Ghaggar before Hon’ble NGT. The progress of the action plan is being reviewed every month by the river Rejuvenation Committee every month. The cumulative action taken report for the fourth quarter of 2019 i.e. October, 2019 to December, 2019 is summarised in the following paras. Each heading has two parts i.e. A and B. The action already completed have been given in part-A and the action pending or not taken so far have been mentioned in part-B of each heading.

1. Identification of points for untreated discharge.

A. The Irrigation Department identified all the subdrains joining main drains. These main drains are discharging into River Ghaggar. The Latitude/longitude of the points has been given. ROs were already directed in the last meeting to get the quantum of effluent assessed corresponding to various deptt./ agencies at each point given by the Irrigation Department and the quantum of effluent along with the name of responsible department should also be informed. The Irrigation Department was also requested to direct the officers to complete the exercise. So, that the matter could be taken up with the respective HODs of the concerned Departments. It was also recommended that the District Task Forces may link it with the plan prepared for each source and if any point is missing then the plan be prepared. *The report received from the DSTF Panchkula, Sirsa, Hisar, Kaithal and Jind. It has been submitted by DSTF Jind and Hisar that no untreated discharge is reaching River Ghaggar through any drains.*

B. No report regarding identification/quantification of effluent of such points received from Fatehabad, Ambala and Kurukshetra.

2. Flow of rivers

A. The monthly flow of drains joining river is being measured. The directions have been issued to the Irrigation Department to give the monthly flow for river Ghaggar. The locations of drains meeting to rivers, from where the flow is desired have been sent to the Irrigation Deptt. The report for monthly flow for river Ghaggar for the month of October, 2019 and November, 2019 is received from Irrigation Department.

B. The flow of Sukhna Nallah, Jattan Wala Nallah, MDC Drain of Panchkula entering to Sukhna Nallah is not received for the quarter October, 2019 to December, 2019. The flow for December, 2019 is not received for any of the drain.

The details regarding the flow received from Irrigation Department for 11 Major drains joining river Ghaggar for the quarter October, 2019 to December, 2019 is given below:-

Quantity of Flow of effluent in Drains joining river Ghaggar						
Sr. No.	Region	Drains meeting with river Ghaggar	Latitude/ Longitude	Flow (MLD) as on Oct., 2019	Flow (MLD) as on Nov., 2019	Flow (MLD) as on Dec., 2019
1	Panchkula	Sukhana Nallah, Parwanoo Barrier, Himachal Pradesh				
2	Panchkula	Jattan walla Nallah				
3	Panchkula	Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab.	30.639975/ 76.872849	8.50	8.50	
4	Panchkula	MDC Drain of Panchkula entering to Sukhna Nallah				
5	Panchkula	Sukhna choe at Vill- Bhankarpur, Punjab	30.613894/ 76.836044	175.00	100.00	
6	Panchkula	Ambala Drain	30.405329/ 76.734221	39.75	39.75	
7	Panchkula	Ghail drain at Rampur, Ambala	30.333872/ 76.668059	17.95	17.95	
8	Panchkula	Markanda River at Vill. Dhandhota	30.090733/ 76.394279	3.25	4.25	
9	Panchkula	Sagar Para Drain at Vill. Sagra	29.893021/ 76.169712	-	Punjab	
10	Jind	Kaithal drain at Vill. Khanauri	29.845506/ 76.112592	-	Punjab	
11	Hisar	Discharge of M.C. Ratia (Fatehabad)	29.71135/ 75.552123	4.00	4.00	

(Relates to Irrigation Department)

3. Provisions for measurement of flows in all the drain

A. Presently the flow in all the drains/ rivers is being measured manually.

B. Permanent flow monitoring stations in all the drains before it outfalls into the river Ghaggar or its tributaries in all the State are to be installed to know the contribution of discharge into the River Ghaggar or its tributaries and record shall be maintained by the concerned department in order to evolve further strategies if required. This direction was issued by the Executive Committee and a reasoned/ justified report is to be submitted to Executive Committee/ NGT.

(Relates to Irrigation Department)

4. Dredging & de-silting/ uncovering of drains in the cities.

The departments of Irrigation, ULB have given the Action Plans for de-silting of drain but the monthly progress reports are not submitted. The Officers of departments of Irrigation and ULBD were advised to submit the same by 5th of every month. The Solid Waste is seen dumped in many drains, for which concerned Deptt. have to

take preventative and punitive action. The Department was asked to submit ATR in this regard. But no such reports is received, so far.

(Relates to Irrigation Department, ULBD, GMDA)

5. Laying of Sewerage in Approved Colonies

A. The work of laying of sewage has been completed as per plan in 11 towns i.e. Narnaund, Jind, Safidon, Uchana, Cheeka, Pundri, Shahbad, Kurukshetra, Ellanabad, Fatehabad and Tohana.

B. The monthly plan has not been received for laying of sewerage in Uklana, Kaithal(PHED plan not received and progress not received not received fromULBD) and Jakhali Mandi from PHED. The monthly progress report for December, 2019 for Barwala and Hisar town is not received. There is delay in work executed in Ambala city, Ambala Sadar, Pinjore, Kaithal (ULBD), Mandi Dabwali, Rania and Sirsa. The time period of the plan is now upto 31.12.2020. The target date cannot have to be compressed to December, 2020 as directed by Hon'ble NGT in OA No. 138/2016. Work in Uklana was proposed to be completed upto 31.03.2019 but not update/progress is received from PHED, so far.

The work should be executed on priority in the areas where there is actual release of sewerage and the effluent from such areas needs to be tapped first and diverted to existing sewers. The estimated cost of the project is not submitted for Kalka, Barwala, Uklana, Kaithal(PHED), Jakhali Mandi and the monthly progress report for December, 2019 regarding the utilization of funds is not received for any of the town.

(Relates to PHED, ULBD Department)

6. Tapping of Sewerage of unapproved colonies to existing sewers.

Progres regarding tapping of sewage into nearest sewage network in Ghaggar Catchment (upto June, 2019)								
Sr . No.	Name of city MC	No. of location	Quantum of effluent to be diverted MLD	No. of location work completed	Quant um diverted	No of location where diversion under progress	No. of location delayed	No. of location work not started
1	Pehowa	6	0.012	0	0	0	6	0
2	Ambala	12	30.81	0	0	2	0	10
3	Barwala	5	1.33	0	0	0	0	5
4	Cheeka	2	0.6	1	0.4	0	1	0
5	Kaithal	2	3.45	0	0	0	0	2
6	Panchkula	44	71.07	0	0	0	0	44
7	Hisar	9	64.5	0	0	6	0	3
8	Kalayati	4	1.12	0	0	4	0	0
9	Uklana Mandi	3	0.155	0	0	0	0	3
10	Thanesar	5	10	0	0	3	0	2
	Total	92	183.047	1	0.4	15	7	69

B. ULBD has intimated that they have updated the list of locations/ points for tapping of sewage of unapproved colonies of towns in the catchment of River

Ghaggar. ULBD was further directed to ensure that all such points have been included in the Action Plan. Further, the monthly progress is desired from ULBD along with the quantum of sewage diverted and connected to existing sewer urgently. Further, tapping of sewage should not be misunderstood with laying of sewers. The tapping is temporary measure and such points should be completed within 3-6 months. The above status that the work needs urgent attention.

7. Action Plan for STPs

A. Work has been completed at 6 towns i.e. Barara, Kurukshetra, Thanesar, Jind, Sirsa, and Jakhal Mandi. The work of construction of STPs at Toka and Sukhdarshanpur has been executed more than the monthly targets as per the action plan upto December, 2019.

Sr. No.	Name of Department	No. of STPs under construction	Capacity(in MLD)
1	PHED	6	67
2	ULBD	9	36
3	HSVP	2	20
	Total	17	123

B. The monthly Action Plan has not been received for under construction STPs of Billa. The work of construction of STPs is delayed in the STPs of ULBD at Nangal, Khatoli, Kot, 12 cross road Ambala, Ambala, Khuda Khurd, Village Dabra Hisar and Bhuna. The details regarding the estimated cost for construction of STPs is not provided for STPs to be constructed at Ambala Kurukshetra, Sirsa, Jakhal Mandi, and Bhuna Fatehabad. The monthly progress upto December, 2019 regarding the utilization of funds for construction of STPs is not received for any of the town.

(Relates to PHED, HSVP, ULBD Department)

8. Untreated effluent during maintenance/ break down in working of STPs

Executive Committee/ RYMC has flagged an issue that sewage is being by passed during maintenance/ breakdown of STPs and therefore, there should be provisions/ arrangements so that effluent is not bypassed at any time. The plan for un-interrupted operation of STPs during maintenance be given by ULBD/ PHED.

(Relates to PHED, ULBD, HSVP Department)

9. Agriculture Practices

It was decided in the meetings of the River Rejuvenation Committee that Agriculture and Horticulture Departments have to frame a comprehensive plan for crop diversification and water conserving practices in Agriculture. The outcome of which could be seen on monthly/quarterly basis. The comprehensive plan is required from Agriculture Deptt. and Horticulture Department. Such plan is not submitted so far.

(Relates to Agriculture Department)

10. Disposal of sewage through tankers

A. The disposal of sewage is being done in Hisar, Tohana, Jakhal Mandi, Pehowa, Ambala, Cheeka, Dhabwali, Kaithal, Shahbad, Panchkula, Kalayat, Fatehabad and Thanesar.

B. No report regarding the Monitoring mechanism of the vehicles is provided by ULBD.

11. Organizing Health Camps

A. Report of health camp organized in quarter October, 2019 to December, 2019 is as under:-

Sr. No.	Month	No. of camps
1.	October,2019	8
2.	November, 2019	19
3.	December, 2019	5

The status of the Health study needs to be informed on monthly basis by health dept. so that work is not delayed beyond the timelines. But the same is not being received.

(Relates to Health Department)

12. Treatment of sewage in villages.

The 45 villages have been found discharging into drains leading to River Ghaggar. The Panchayat Department has submitted the plan for some of the villages and the same is not adequate at this stage as all of them are on paper only. The construction work is not started.

Complete Action Plan including monthly targets for all the villages alongwith the fund details is required for river Yamuna also. The fund details for Ghaggar not given.

(Relates to Panchayat Department)

13. ISWM

There are 8 clusters in catchment of river Ghaggar. Action plan for all the clusters has been submitted to Hon'ble NGT.

Further, the monthly progress report December, 2019 is as under:-

Sr. No.	Cluster Name	Name of ULBs within clusters	Status of Bidding
Phase-II Bidding process completed and pending for final approval with HPPC			
1	Panchkula (Waste to Compost/RDF)- 200 TPD	Panchkula & Naraingarh	Bidding process is completed, two bids were received, technical and Financial evaluation has been done and is submitted for approval from High Powered Purchase Committee.
Phase -III Under Bidding process			
2	Fatehabad (Waste to	Bhuna, Tohana,	Under Bidding process, bids submission

Sr. No.	Cluster Name	Name of ULBs within clusters	Status of Bidding
	Compost/RDF)- 150 TPD	Fatehabad, Jakhal Mandi, Uklana Mandi & Ratia	end date was 19.11.2019. Single bids are received for Rewari (Waste to Compost/RDF), Fatehabad. (Waste to Compost/RDF) and Punhana (Waste to Compost/RDF) and No Bid have been received for Bhiwani (Waste to Compost/RDF), Bid Evaluations will be done after necessary Approvals.
3	Bhiwani (Waste to Compost/RDF)- 195 TPD	Loharu, Bawani Khera, Bhiwani, Siwani & Charkhi Dadri	Under Bidding process, bids submission end date was 19.11.2019. single bids are received for Rewari (Waste to Compost/RDF), Fatehabad. (Waste to Compost/RDF) and Punhana (Waste to Compost/RDF) and No Bid have been received for Bhiwani (Waste to Compost/RDF), Bid Evaluations will be done after necessary Approvals.
4	Punhana (Waste to Compost/RDF)- 175 TPD	Punhana, F/Jhirkha, Hathin, Palwal & Hodal	Under Bidding process, bids submission end date was 19.11.2019. single bids are received for Rewari (Waste to Compost/RDF), Fatehabad. (Waste to Compost/RDF) and Punhana (Waste to Compost/RDF) and No Bid have been received for Bhiwani (Waste to Compost/RDF), Bid Evaluations will be done after necessary Approvals.
Phase-IV Bids to be invited after 31 st October 2019			
5	Ambala – Karnal (Waste to Energy) – 815 TPD	Ambala, Cheeka, Pehowa, Shahabad, Ismailabad & Thanesar Karnal & Nissing, Indri, Nilokheri, Gharaunda, Pundri, Bassi	No bids have been received in the earlier invited tender in August 2019. Amendments are proposed in the bid documents and submitted for approval from CoSI.
Phase-V Bidding will be initiated after November 2019			
6	Dabwali+Sirsa (Waste to Compost/RDF)- 217 TPD	Dabwali, Kalanwali, Rania, Ellenabad & Sirsa	Tenders shall be invited after finalization of above issued tenders
7	Jind (Waste to Compost/RDF)- 330 TPD	Assandh, Kalayat, Jind, Uchana, Kaithal, Rajaund, Safidon & Narwana	Tenders shall be invited after finalization of above issued tenders
8	Hisar (Waste to Compost/RDF)- 325 TPD	Hisar, Hansi, Barwala, Sisai & Narnaud	ISWM Hisar cluster project was released in Phase III bidding stage, but it is informed by MC Hisar that international airport is proposed to be developed at a distance of 2 km from the proposed MSW site. In view of this, a new site should be identified for the project, till that time project is annulled for bidding.

(Relates to ULBD)

14. Non submission of ATR by the SESTF/ District Level Task force

A. The ATR of DSTFs in the catchment of River Ghaggar is received & observations in the ATRs have been conveyed to the DSTFs.

Sr. No.	Name of Task Force	October	November	December
1.	Panchkula	Submitted	Submitted	Submitted
2.	Ambala	Submitted	Submitted	Submitted
3.	Kurukshetra	Submitted	Submitted	Submitted
4.	Jind	Submitted	Submitted	Submitted
5.	Kaithal	Submitted	Submitted	Submitted
6.	Fatehabad	Submitted	Submitted	Submitted
7.	Hisar	submitted	submitted	submitted
8.	Sirsa	Submitted	Submitted	Submitted

The complete action taken report on the Action plan has not been included in the ATRs, nor submitted the names of officers of different departments who have not taken action by the STFs except Jind and Kaithal.

15. Ground Water

A. Executing Committee has observed that unregulated abstraction of groundwater by the general public as well as the industry and thereby causing sewage generation and also leading to depletion of groundwater resources. Also, all the industries located in the catchment of river Ghaggar should be allowed to use ground water abstraction for commercial use only with the approval of the Central Ground Water Authority and such industries also be suggested to explore alternate water supply sources (including adoption of low water consuming technologies) without depending on the natural ground water resources. Where, there is a ground water depletion in such areas, the abstraction of ground water resources should be banned in consultation with the Central Ground Water Authority. The Department of Agriculture has been made Nodal Department regarding the regulation of Ground water. The No. of sampling locations have been increased in the catchment of river Ghaggar. Ground water is being monitored at 81 locations in the catchment of River Ghaggar.

B. But the Executive Committee has already directed for collection of 120 samples in Catchment of River Ghaggar by 20.04.2019. So the locations have to be further increased. The status regarding collection of ground water samples is placed below:-

Sr. No.	District	No. Of Ground water samples	No. of Points sample collected	No. of points sample not collected
1	Panchkula	24	14	10
2	Jind	10	10	0
3	Hisar	47	43	4
	Total	81	67	14

(Relates to ROs/ STFs, CGWA)

16. Plan for E-Waste Management

A. The Action Plan for E-Waste Management has been incorporated in the Ghaggar Action Plan.

B. But the monthly progress is not submitted by the Waste Management Cell, HSPCB. The Branch Incharge, Waste Management Cell was directed to submit the monthly progress report immediately. Further, the quantum is not river stretch wise.

(Relates to HSPCB)

17. Plan for Plastic Waste Management

A. The ULBD has framed a policy for Plastic Waste Management but the action on the ground should be reported.

B. Further, the monthly progress or Action Taken is not provided by ULBD.

(Relates to ULBD)

18. Pond Development Authority

Pond Development Authority has submitted an Action Plan for restoration / rejuvenation of 16350 water bodies/ponds of Haryana State in compliance of the order of the Hon'ble NGT in OA No. 325/2015 in the matter of Lt. Col. Sarvadaman Singh Oberoi Vs UOI.

(Relates to Pond Development Authority)

19. Initiation of Civil/ Criminal Cases against the violator

The Hon'ble NGT has directed for initiation of civil/ criminal proceeding against the violators. Executing Committee has observed that more than 95 % environmental related cases are pending in acquittal whereas hardly less than 5% end in conviction, this may be for want of sufficient evidence, or lack of awareness of procedures in the staff. The status of prosecutions since 1.08.2018 is as under:

Details of prosecution of industries by HSPCB				
Sr. No.	Region Name	Number of orders issued from HO to initiate prosecution	No. of sanction of prosecution issued	No. of prosecution filed in Court

Details of prosecution of industries by HSPCB							
Sr. No.	Region Name	Number of orders issued from HO to initiate prosecution		No. of sanction of prosecution issued		No. of prosecution filed in Court	
		Before 01.08.18	After 01.08.18	Before 01.08.18	After 01.08.18	Before 01.08.18	After 01.08.18
1	Panckula	30	39	30	39	30	31
2	Hisar	0	0	0	0	0	0
3	Jind	0	0	0	0	0	0
Total		30	39	30	39	30	31

(Relates to HSPCB)

20. Installation and maintenance of Online Monitoring System for STPs and CETPs.

➤ OMD in STPs

Out of total 59 STPs located in the catchment of River Ghaggar, 59 STPs have installed online monitoring devices and connected with HSPCB server.

Sr. No.	Departments	Total STPs	Installed as per online status	No. of STPs Connected to HSPCB server
1.	PHED	49	46	45
2.	HSVP	9	7	5
3.	Garrison	1	0	0
	Total	59	53	50

PHED has intimated that OMD could not be installed on STPs/Oxidation ponds of small capacities but the reasons of PHED are not acceptable and do not confirm to the Water Act, 1974 and EP Act, 1986.

The OMDs have to be installed on all STPs irrespective of their capacity.

➤ OMD in CETPs

4 CETPs are located in the catchment of River Ghaggar, and all 4 CETPs are connected with HSPCB server.

Sr. No.	Departments	Total CETPs	Installed as per online status	No. of CETPs Connected to HSPCB server
1.	HSIIDC	4	4	4
	Total	4	4	4

21. Environmental compensation for violation

A. The NGT has desired that the Environmental compensation be collected from the violators on the "polluters pay principle". The Board has issued policy order on 29.4.2019 for levying Environmental Compensation on the polluting units based on polluter pays principle and to use the same for restoration of Environmental

damages. The compensation shall be recovered from the industries as per the guidelines prepared by the Central Pollution Control Board.

B. The STFs have to send the proposal for the Environmental compensation. The ROs have been directed to sensitize the District Level Task Forces in this regard.

Sr. No.	Name & Address of unit	Concerned Region	Date of imposing compensation	Compensation Imposed (Rs.)	Compensation collected
1.	M/s Wood Coal Kiln of Kulwinder Singh (Happy) Village Dhola Majra, District Kurukshetra.	Panchkula	23.10.2019	161250	0

(Relates to ROs/ STFs)

22. Online Portal for submission of monthly ATR on Ghaggar

The Board has developed online portal for submission of monthly ATR on Action Plans for Ghaggar. All the concerned departments have been provided login ID to upload the monthly ATR for the activity in respect of their departments. The monthly progress on online portal is not being uploaded.

STPs Under construction:

- **Progress not submitted for the month of October,2019:-** Khuda Khurd, 12 Cross road, Dabra Hisar.
- **Progress not submitted for the month of November, 2019:-** Khatoli, Kot, Nangal, Billa, Sukhdarshanpur, Khuda Khurd, 12 Cross road, Dabra Hisar.
- **Progress not submitted for the month of December,2019:-** Khatoli, Kot, Nangal, Billa, Sukhdarshanpur, Khuda Khurd, 12 Cross road, Dabra Hisar.

Laying of sewerage:

- **Progress not submitted for the month of October,2019:-** Ambala city, Ambala Sadar, Kaithal, Hisar.
- **Progress not submitted for the month of November,2019:-** Ambala city, Ambala Sadar, Kaithal, Hisar.
- **Progress not submitted for the month of December,2019:-** Ambala city, Ambala Sadar, Kaithal, Hisar.

(Relates to PHED, ULBD, HSVP Department)

23. Effective implementation of Sand Mining Policy

The Executing Committee has directed to evolve effective implementation of Sand Mining Policy. The Action Taken Report be submitted by the Mines and Geology Department. The action taken report not submitted so far.

24. Providing Sewerage connection to households

The PHED and ULBD have to ensure that all the households are connected to sewers for all MCs. The Authorities should also make arrangements to prevent the entry of Solid Waste into sewerage network. The mechanism prepared in this regard need to be submitted by the PHED and ULBD.

25. Action Plan for CETPs

Sampling of effluent of CETPs is being done by HSPCB. The CETPs at IE Barwala and IE Jind do not meet with prescribed standards. The details of shortcomings alongwith Action Plan to remove the deficiencies is required.

The industries situated in industrial area are operating without consent. The list of industries along with their product is required from HSIIDC for each industrial area so that it could be matched with list of HSPCB to find any industry operating without consent of HSPCB.

(Relates to HSIIDC Department)

26. Green/ Plantation on both sides of Rivers/ catchment

A. Forest Department submitted that there is no land on both sides of River Ghaggar for development of Bio-diversity parks. and 5000 trees have been planted in the Beed Ghaggar P.F. Panchkula range by the Forest Department. The detail are as under:-

Sr. No.	Topic	Guidelines for submitting report	
	Greenary Development Plan in Districts	Shisham	3000
		Papri	1425
		Hathiphal	300
		Interlobium	100
		Pipal	155
		Amla	12
		Barota	4
		Neem	2
		Jamun	2
		Total	5000

B. Report regarding already existing Biodiversity parks was sought from Forest Departments. But if hasn't been submitted. Further, the Geo coordinates of the plantation area not provide by Forest Department so far.

(Relates to Forest Department)

27. Open defecation

Latest status along updated plan is required from ULBD.

28. Action against screening plants

A. The direction of Executive Committee conveyed to Regional Officer, Panchkula.

B. Executing Committee has observed that it appears that lot of stone/sand screening units located on the banks of the river Ghaggar are discharging their effluent without imparting any treatment into River Ghaggar, such industries should be insisted upon for having primary treatment system. The NGT has already ordered on 11.04.2019 that action be taken on the observation/ recommendation for Executing Committee. The Concerned Officer have been issued against 8 non complying screening plants upto Dec, 2019 and they have been sealed by Board.

(Relates to HSPCB)

29. Policy regard to utilization of treated sewage

The policy with regard to the utilization of treated sewage for beneficial use which includes agriculture, construction activity and green development so as to reduce abstraction and consumption of the ground water resources has been notified by the Govt. vide notification dated 05.11.2019.

The PHED has already submitted an Action Plan for reuse of treated sewage in Hon'ble NGT in the matter of OA No. 114/2016 (MA No. 686/2017) Mahesh Chandra Saxena Vs South Delhi MC & Ors.

(Relates to PHED)

30. Installation of real time water quality of monitoring stations

A. The design of Executive Committee conveyed to concerned Branch.

B. Installation of real time water quality of monitoring stations at all the outfalls of the drains and at the salient points of the river Ghaggar to its tributaries and display of such data in public domain by all the concerned State Governments. The feasible locations of installation of RTWQMS were sought from ROs along with Lat. /Long and report is received from RO Panchkula and Hisar. Further, action is being taken up by Board for installation of RTWQMS.

(Relates to HSPCB)