



HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR-6, PANCHKULA

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E-mail: hspcbho@gmail.com

No. HSPCB/WC/ 5092- 5100
To

Dated:- 17-11-2020

1. The Additional Chief Secretary Environment Department, Govt. of Haryana, Chandigarh
2. The Additional Chief Secretary Agriculture Department, Govt. of Haryana, Chandigarh.
3. The Additional Chief Secretary, Public Health Engineering Department, Govt. of Haryana, Chandigarh.
4. The Additional Chief Secretary, Irrigation Department, Govt. of Haryana, Chandigarh.
5. The Additional Chief Secretary, Urban Local Bodies Department, Govt. of Haryana, Chandigarh.
6. The Additional Chief Secretary, Health and Family Welfare Department, Govt. of Haryana, Chandigarh.
7. The Principal Secretary, Development & Panchayat Department, Haryana Chandigarh.
8. The Principal Secretary, Town & Country Planning Department, Haryana Chandigarh.
9. The Principal Secretary, Industries Department, Haryana, Chandigarh.

Sub: Minutes of 19th meeting (to review the directions given/ recommendations made in 18th meeting held with State Level Officer of Haryana on 19.8.2020) to be held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee, constituted by the Honb'le NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar river and Yogendera Kumar, w.r.t. control of pollution in river Ghaggar on 12.11.2020 at 11.00 AM (through video conference).

Sir,

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith the copy of minutes of 19th meeting (to review the directions given/ recommendations made in 18th meeting held with State Level Officer of Haryana on 19.8.2020) to be held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee, constituted by the Honb'le NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar river and Yogendera Kumar, w.r.t. control of pollution in river Ghaggar on 12.11.2020 at 11.00 AM (through video conference) for your information and further necessary action, please.

DA/As above

Sr. Env. Engineer (HQ)
For Member Secretary

Endst No. HSPCB/WC/ 5101- 5107

Dated:- 17-11-2020

A copy of the above is forwarded to following for information and further necessary action, please.

1. Branch Incharges Dealing Consent Management, Panchkula, Ambala, Kurukshetra, Kaithal/Jind and Hisar.
2. Regional Officer, Panchkula, Ambala/ Kurukshetra, Kaithal/ Jind and Hisar.

DA/As above

Sr. Env. Engineer (HQ)
For Member Secretary

Office of the Executing Committee

Constituted by Hon'ble National Green Tribunal in OA No.138/139 of 2016 and 606 of 2018 and OA No. 606 of 2018 in the matter of compliance of Solid Waste Management Rules, 2016
Office address: 4th floor, 5th Tower, forest complex, Sector- 68, SAS Nagar

To

The Member Secretary,
Haryana State Pollution Control Board,
C-11, Sector 6, Panchkula.

No. CMC/SB/2020/1122

dated: 13.11.2020

Subject: Minutes of 19th meeting (to review the directions given/recommendations made in 18th meeting held with State Level Officers of Haryana on 19.8.2020) held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee, constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar, w.r.t. control of pollution in river Ghaggar on 12.11.2020 at 11.00 AM (through video conference)

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It is requested that minutes of the meeting may kindly be conveyed to all the concerned departments with the request to take necessary action on the directions/recommendations of the Executing Committee and action taken report be sent to the Executing Committee within 21 days.

DA/ as above


Babu Ram, 13.11.2020
Technical Expert,
Executing Committee

Minutes of 19th meeting (to review the directions given/recommendations made in 18th meeting held with State Level Officers of Haryana on 19.8.2020) held under the Chairmanship of Justice Pritam Pal, Former Judge of Punjab and Haryana High Court and now as Chairman of the Executing Committee, constituted by Hon'ble NGT in OA No. 138/139 of 2016 in the matter of Stench Grips Mansa's Sacred Ghaggar River and Yogendera Kumar, w.r.t. control of pollution in river Ghaggar on 12.11.2020 at 11.00 AM (through video conference)

The following were present during meeting

a) **Members of the Executing Committee**

Sr. No.	Name and Designation in the Deptt.	Name & Designation in the Committee
1.	Justice Pritam Pal, Former Judge, Punjab and Haryana High Court	Chairman
2.	Ms. Urvashi Gulati, IAS, former Chief Secretary, Haryana	Member
3.	Dr. Babu Ram, former Member Secretary, PPCB	Technical Expert

The lists of the officers, present in the meetings, are as per Annexure-1

The Chairman of the Monitoring Committee apprised the officers of various departments, present in the meeting, about the orders of Hon'ble NGT in various cases connected to the matter, which are briefly mentioned as under.

- 1) The Hon'ble Tribunal in its order dated 6.12.2019 in OA No. 673 of 2018 (mentioned in order dated 6.12.2019 uploaded on 12.12.2019 in OA No. 916 of 2018) had issued direction that 100% treatment of sewage may be ensured as directed by the Tribunal vide order dated 28.08.2019 in O.A No. 593/2017 by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs and the work of connecting all the drains and other sources of generation of sewage to the STPs must be ensured. If this is not done, the local bodies and the concerned departments of States/UT's will be liable to pay compensation as directed vide order dated 22.08.2019 in case of river Ganga i.e. Rs. 5 lakh per month per drain for default in in-situ remediation and Rs. 5 lakh per STP for default in commencement of setting up of the STP. The timeline for completing all steps of action plans including completion of setting up STPs and there commissioning till 31.03.2021 in terms of order dated 08.04.2019 in the present case will remain as already directed.
- 2) It was further informed that the Hon'ble Tribunal vide its order dated 21.05.2020 in OA No. 593 of 2017 at Para 8 [47(i) & ii)] has directed as under:
- i) 100% treatment of sewage may be ensured as directed by this Tribunal vide order dated 28.08.2019 in O.A. No. 593/2017 by 31.03.2020 at least to the extent of in-situ remediation and before the said date, commencement of setting up of STPs and the work of connecting all the drains and other sources of generation of sewage to the STPs must be ensured. If this is not done, the local bodies and the concerned departments of the States/UTs will be liable to pay compensation as already directed vide order dated 22.08.2019 in the case of river Ganga i.e.

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Rs. 5 lakhs per month per drain, for default in in-situ remediation and Rs. 5 lakhs per STP for default in commencement of setting up of the STP

- ii) Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning till 31.03.2021 in terms of order dated 08.04.2019 in the present case will remain as already directed. In default, compensation will be liable to be paid at the scale laid down in the order of this Tribunal dated 22.08.2019 in the case of river Ganga i.e. Rs. 10 lakhs per month per STP.

Further, in para 13 of order dated 21.05.2020 in OA No. 593 of 2017 has directed that as regards non-compliant STPs, further action may be completed by the State PCBs/PCCs and it may be ensured that there is 100% treatment of sewage and till STPs are set up, at least in-situ remediation takes place. However, on account of Corona pandemic which has affected several on-going activities, the timeline of levy of compensation in terms of order dated 28.08.2019 in O.A. No. 593/2017 read with order dated 06.12.2019 in O.A. No. 673/2018, of 01.04.2020 may be read as 01.07.2020 and 01.04.2021 may be read as 01.07.2021. Further reports may be taken by the CPCB from all the State PCBs/PCCs as per the system evolved by the CPCB from time to time.

- 3) The Hon'ble Tribunal vide its order dated 1.6.2020 in OA No. 325 of 2015 in the matter of Lt. Col. Sarvadaman Singh Oberoi vs Union of India & Ors, has directed in para No.6 that harvesting surplus water during excessive rains from any areas of catchment needs to be optimized by enhancing the capacity of the existing ponds/water bodies, creation of water harvesting structures in the sub-watersheds to the extent possible, apart from setting up of additional water bodies/water harvesting structures wherever viable, utilizing available funds including under MGNREGA and involving the community at large at every level. Gram Panchayats can certainly play a significant role in the matter. Once adequate capacity enhancement of water bodies takes place, excess flood/rain water can be channelized by using appropriate water harvesting techniques. This action needs to be coordinated by the District Magistrates in coordination with the Department of Irrigation and Flood Control or other concerned Departments such as Department of Rural Development/Urban Development/Local Bodies/Forests/Revenue etc. The District Magistrate may as far as possible hold a meeting of all the stakeholders for the purpose as per the District Environment Plan or Watershed Plan within one month from today. The District Magistrates may also ensure that as far as possible at least one pond/water body must be restored in every village, apart from creation of any new pond/water body.
- 4) The State of Punjab has moved an application before Hon'ble National Green Tribunal for extension in timelines for remediation of legacy waste and for Commissioning of STPs. However, the Hon'ble Tribunal vide its order 17.9.2020 has rejected the prayer for extension in time.
- 5) The Hon'ble National Green Tribunal has considered the 6th report of the Executing Committee and has passed the detailed order dated 28.10.2020 and has given coercive directions and para no. 12 of the said directions is reproduced as under.

Re

Para 12

We Accordingly direct the Chief Secretaries of the Himachal Pradesh, Punjab, Haryana and UT Chandigarh must meet (physically or online) within one month for brainstorming with reference to the recommendations of the Executing Committee for meaningful prompt action and fixing of the accountability for the erring officers. Such meeting may be convened and facilitated as per further direction in this order. Remedial action should not only include setting up of requisite equipment and interim measures but also making persons to whom the job is entrusted personally accountable in terms of their performance. After first meeting also, the four Chief Secretaries must meet atleast once in a month to take stock of the situation. First such meeting may be held on or before 30.11.2020 and meaningful action must be taken latest by 31.01.2021. In case of default, the Tribunal may have no option except to take coercive measures against the erring authorities.

Thereafter, the agenda was taken up for discussion as under.

1. Water quality of River Ghaggar at various locations

The Executing Committee was apprised that the water quality of river Ghaggar is being monitored at 47 locations and average value ranges between 6.0 to 110 mg/l. The Executing Committee observed that the value of BOD at the exit from the State of Haryana is 3.2 mg/l and after meeting with the pollution sources like river Markanda, Cheeka drain, Sagarpara drain, Kaithal drain, discharge of sewage of Jakhal, Ratia town and Ellenabad, Sirsa, the value of BOD in river Ghaggar water has been found varying between 26 mg/l to 58 mg/l. The values of F.Coli from these sources entering into river Ghaggar have been observed as 72000 – 180000 MPN/100m.

It was observed by the Executing Committee that even after the achievement of the standards for BOD parameter below 10 mg/l, the water quality in river Ghaggar shall not be improved if the values of F.Coli remains too high and not brought within the norms.

Engineering- in- Chief, PHED informed that out of 49 STPs owned by his department, 21 STPs shall be upgraded to bring F. Coliform parameter within the norms by 31.12.2020. 8 STPs by 31.3.2021 and remaining by 31.12.2021. HSVP stated that necessary upgradation in the existing 9 STPs owned by it shall be made by 30.6.2021.

After detailed discussion on the issue, it was directed as under:

All the Executing Agencies namely PHED, HSVP, ULB, D& P, HSDIIC and Garrison Engineer shall install new STPs and upgrade the existing STPs based on the Standards of 100 MPN/100ml for F.Coli parameter by 31.3.2021 so that water quality in river Ghaggar may be improved.

2. Status of pollution in river Ghaggar and details of the drains carrying sewage/industrial effluent in river Ghaggar.

It was reported that the Department of irrigation has supplied the list of 289 points, which carry the untreated sewage and enters into main drains and further lead to river Ghaggar. The latest status of these points was mentioned as under.

- Sewage points carrying treated sewage = 18
- Points which are carrying untreated sewage = 235
- Points which have been proposed to be connected to sewerage system and further to STPs = 36

After detailed deliberation, it was directed as under.

- All the 36 points, which have been proposed to be connected to sewerage system and further to STPs by 31.3.2021.
- The concerned departments viz. PHED, HSVP, ULB, HSIIDC and D&P shall prepare proper scheme/proposal to manage 235 points relating to their departments either by connecting to the nearby sewerage system leading to STPs or by installing independent STPs for individual points or connecting points falling in the nearby vicinity and installing common STPs for group of points. The said schemes may be prepared by 30.11.2020 and shall be submitted to HSPCB under intimation to the Monitoring Committee.

3. Status of laying of sewerage network in the towns and interception of sewage.

It was submitted as under.

- 27 towns are located in the catchment of River Ghaggar.
- Sewerage system (80.35 Kms) has been completed in 21 towns.
- 508.22 Km of sewer line is to be laid in 6 towns.

The Chairman of the Executing Committee directed that complete sewerage network of 508.22 Kms should be completed in all the remaining 6 towns by 31.12.2020.

4. Diversion/Tapping of sewage from 92 locations

HSPCB reported that 183 MLD of effluent was proposed to be tapped/ diverted at 92 locations.

32 tapping points have been excluded because,

- ✓ 4 points have been found carrying treated sewage.
- ✓ At 1 location, effluent flows in rainy season.
- ✓ 1 point has been wrongly marked.
- ✓ 12 locations of Ambala and 9 locations of Hisar have been covered under sewerage system.
- ✓ 5 points of Barwala and 3 points of Ukhana Mandi are basically ponds.

Therefore, 55.6 MLD effluent is to be diverted at 60 locations, the status of which is as under.

- ✓ 15.9 MLD effluent has been diverted at 18 locations.
- ✓ Work is in progress at 9 locations for diversion of 4.7 MLD effluent.
- ✓ Work has not been started for diversion of 35 MLD effluent at 33 locations.

After detailed discussion, it was directed as under.

The department of Urban Local Bodies shall connect the sewage of 33 locations to the nearest STPs to divert 35 MLD sewage by 31.3.2021.

5. **Status of sewage treatment installed for treatment of sewage of the towns located on river Ghaggar and their performance.**

It was submitted that 59 STPs have been installed in the catchment of river Ghaggar having capacity of 514 MLD. The gist of which is as under.

Department	Total No. Of STPs	Capacity (MLD)
PHED	49	373.5
HSVP	9	131.5
Garrison	1	9.0
Total	59	514

It was further informed that HSPCB is monitoring the performance of these STPs on monthly basis. The Monitoring Committee observed that 19 STPs out of 59 STPs are not meeting with BOD parameter, whereas, all the STPs have been found failure for F.Coli parameter.

After detailed discussion, it was directed that all the concerned departments namely PHED, HSVP and Garrison Engineer, MES shall upgrade existing STPs to bring BOD and F.Coli parameters within the norms by 31.3.2021.

6. **Status of Sewage Treatment Plants which are under construction/ planning.**

It was reported as under.

- Out of 20 STPs which were under construction, 6 STPs have been completed.
- 14 new STPs of capacity 68 MLD are under construction and lokely to be completed by 30.06.2021.

The Chairman of the Monitoring Committee directed that 6 STPs may be commissioned by 30.11.2020 and 14 new STPs of capacity 68 MLD may be completed by 31.3.2021.

7. **Status of sewage treatment plant which are under proposal**

The Executing Committee was apprised that for future population to be come up in the planned areas, 8 STPs of capacity 46.5 MLD have been proposed by HSVP. The timelines for completion of these STPs have been mentioned between 31.12.2021 to 30.6.2025.

The Executing Committee observed that such a huge quantity of untreated discharge of 46.5 MLD should not be allowed to be discharged, as such, there is need to prepare plan/ scheme including DPR and process of identification of land may be started timely so that simultaneously with the construction of houses/buildings, the work of STPs may also be started by HSVP. Accordingly. It was directed that HSVP shall prepare plan/ scheme including DPR and process of identification of land by 31.12.2020.

8. Status of sewage treatment plant which require technologically upgradation

It was reported as under.

Technological upgradation of 8 STPs of capacity 77.5 MLD is under progress, out of which 02 STPs have been completed. The construction work of 06 STPs has completed between 30 – 80%.

18 STPs of capacity 69.5 MLD (mostly on MBBR technology) have also been proposed for upgradation but these STPs are at DPR stage.

02 STPs (Kalka: 4.5 MLD and Ambala City: 6 MLD) have also been proposed for upgradation but the land is not available for upgradation of these STPs.

After discussion, the Executing Committee directed as under:

- i) 8 STPs of capacity 77.5 MLD, where the upgradation work has been started, shall be installed and commissioned by 30.3.2021.
- ii) 18 STPs of capacity 69.5 MLD, which are at DPR stage may be completed by 30.6.2021.
- iii) 2 STPs of capacity 10.5 MLD (Kalka: 4.5 MLD and Ambala City: 6 MLD), where presently, no land is available for upgradation, possibility may be explored to adjust the components for upgradation by 30.11.2020 and best suited technology may be used for upgradation of STPs at the existing locations so that these may be upgraded by 30.6.2021.

9. Gaps in treatment of sewage of the towns located on river Ghaggar.

The Executing Committee was informed as under.

- The total sewage discharge of 27 towns located in the catchment area of river Ghaggar is 258 MLD
- Present capacity of STPs in these 27 towns is 514 MLD and there is gap of 0.7 MLD in Ambala town only.

The Executing Committee observed as under.

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- Untreated sewage through 235 points from different localities of towns is discharged into main drains which further lead to river Ghaggar. Quantity of sewage of these outlets/points shall add to the gap in sewage quantity.
- There is no proposal to treat sewage of 35 MLD through 33 locations, which is being discharged into river Ghaggar, as such, the discharge of 35 MLD shall also add the gap in sewage to be treated.
- For estimation of sewage discharge of 27 towns, standard term of 135 lpcd consumption of water has been considered and 80% of consumption i.e 108 lpcd has been taken for calculation of sewage discharge of the towns, whereas, in urban areas, normally, the water consumption varies between 200 – 300 lpcd. Moreover, the water supplied through tube wells installed by Municipal Councils/ Corporations for the

residential and commercial areas of the towns has also not been considered while calculating consumption of water in the towns viz – a viz quantity of sewage discharge of the towns. As such, the quantity of sewage discharge from these 27 towns shall be more as compared to the discharge of the towns as calculated and mentioned in Annexure - 9.

After discussion on the issue, it was directed by the Chairman of the Executing Committee that Haryana State Pollution Control Board shall reanalyze the data w.r.t quantity of sewage of 27 towns based on the factors as mentioned above by 31.12.2020 and actual gap in sewage quantity to be treated may be calculated and report may be produced before the Executing Committee in its next meeting to be held on 14.1.2021.

10. Status of installation of effluent treatment plants by the industries, inspection by State Pollution Control Board, performance of ETPs and action against the violating industries and status of CETPs.

It was informed as under.

HSPCB is regularly conducting inspections of the all the industries in the catchment of river Ghaggar and action is being taken against violating units as per policy. Action taken report against non complying units was mentioned as under.

- Total No. of industries in the Catchment area of river Ghaggar: 197
- No. of industries inspected :137
- No. of violating units where Environment Compensation imposed :19
- Amount of EC imposed : Rs. 56 Lakh
- No. of units closed by Board : 97
- No. of industries which have joined 3 CETP of capacity 6 MLD : 50 industries having discharge 1.05 MLD

The Executing Committee noted the compliance and directed that HSPCB shall continue to monitor the all the industries located in the catchment area of river Ghaggar and action against the violating industries may be taken under the provisions of water Act, 1974.

11. Implementation of irrigation scheme to utilize treated sewage for irrigation and the irrigation scheme which are under construction/planning.

It was informed as under.

- 15 irrigation projects to utilize the treated sewage of the towns are likely to be completed by 30.6.2022
- Specific Irrigation schemes to utilize the treated sewage of the towns namely Ratia, Tohana, Jakhal and village Rishi Nagar Hisar for irrigation are likely to be completed by 30.06.2021.

- These irrigation projects have been planned for execution in 5 years and likely to be completed by 2025
- The balance projects/schemes covered under Ghaggar Action Plan, under consolidated project of Rs 1098.25 Cr project for 207 STPs, are likely to be completed within 5 years i.e. upto 2024-25.

After detailed discussion, the Chairman of the Executing Committee directed as under:

- **All the 15 irrigation projects to utilize the treated sewage of STPs located in the catchment area of river Ghaggar should be completed by 31.3.2021.**
- **Specific Irrigation schemes to utilize the treated sewage of the towns namely Ratia, Tohana, Jakhal and village Rishi Nagar Hisar for irrigation should be completed by 30.06.2021.**
- **Out of total 207 STPs located in the catchment area of river Ghaggar and Yamuna, , priority may be given to the remaining 44 STPs (59-15) of Ghaggar catchment area to utilize their treated sewage for irrigation.**

12. Non point sources and control of pollution of these sources.

The Executing Committee was informed as under.

- There are complaints of illegal discharge through tankers. It has been decided in the recent CS meeting that the same can be effectively tackled only by special drives through district level teams constituted with officers from Revenue, Irrigation, PHED, Industries and Police, who were advised to conduct such drives as frequently as possible and seize the vehicles under the provisions available.
- State level policy has already been framed and many ULBs have also adopted at local level, but its implementation and monitoring mechanisms are yet to be firmed up. Chief Secretary advised the ULBD to immediately implement the system through special efforts and further directed that District level drives be initiated by ULBD along with district administration and District Level Task Forces, constituted by Hon'ble NGT, and such tankers, engaged in illegal discharge may be seized by the concerned authorities.

MS, HSPCB and Director General, department of Urban Local Bodies assured that teams of officers of revenue department, irrigation, PHED, HSVP, industries and police shall be deputed within one week to make surprise inspection/raid on such illegal discharges into the drains/river.

After detailed discussion, it was directed that District level teams consisting of officers from revenue department, irrigation, PHED, HSVP, industries and police may be deputed immediately to make surprise checks/raids on the tankers carrying illegal discharge and legal action may be taken against the defaulting persons/agencies.

13. **Status of installation of sewage treatment plant for the villages.**

It was submitted as under.

- 45 villages have been identified in the catchment of river Ghaggar
- Work for installation of treatment system in 36 villages has been sanctioned.
- In 1 village, the construction work STP has been completed
- Work of STPs in 31 villages is under progress
- No work started in 4 villages (village Mouli of Panchkula District and village Harnola, Kutubpur and Ghuhna of Kaithal District).
- **After detailed discussion on the issue, it was directed by the Chairman of the Executing Committee that STPs in all the 45 villages falling in the catchment area of river Ghaggar should be completed by 31.3.2021.**
- **Also, while having discussion on the issue of installation of STPs for the villages, it was observed by the Executing Committee that in villages Dholuwal, Burjkotla, Toda, Mouli, Khetpural, Rehor and Bharoli of district Panchkula, soakage pits are under construction, whereas, soakage pit is not a scientific and environmentally sound technology as it may cause ground water contamination. Therefore, the concerned department and HSPCB shall jointly look into the issue and take appropriate action accordingly so that ground water contamination may not occur.**

14. **Ground water quality in the catchment of area of river Ghaggar.**

As per HSPCB, ground water quality is being monitored at 25 locations in the catchment of river Ghaggar. Out of total 25 locations, ground water is found fit for drinking at 16 locations and non complying at 9 locations.

Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

The Chairman of the Executing Committee informed that in the Action Taken Report of 18th meeting, it has been mentioned that in Kaithal, Hisar, Sirsa and Fatehbad, the number of non-compliance Locations have been observed as 13, 2, 8 and 14 and asked as to whether these ground water sources have been capped or not. HSPCB apprised that all these ground water sources have been capped and display boards mentioning that "Water is not for drinking purpose" have been erected at these locations.

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The Chairman of the Executing Committee directed that Haryana State Pollution Control Board shall continue to monitor groundwater sources in the catchment area of river Ghaggar as per the frequency maintained by it and in case the contaminated sites are observed, the same shall be sealed by the Board and display board mentioning "water is not fit for drinking" may be erected at these sites.

15. Environmental Flow

It was apprised by the department of Irrigation as under.

- Feasibility Report submitted by WAPCOS for three dams namely Bhud Dam, Khetpurali Dam and Dudhgarh Dam on tributaries of river Tangri, which after examination was sent to Govt., wherein the proposal of only Bhud dam has been approved and other two have been kept pending.
- The action is being taken for required clearances such as Interstate, Environment, Forest etc.
- Detailed Project Report (DPR) will be prepared after clearances. These projects are for providing drinking and irrigation facilities to Barwala block of Panchkula district.
- Ghaggar Standing Committee (GSC) of CWC in its 28th meeting held on 01.03.2019 decided that, CWPRS will carry out the Mathematical Model studies and after complete study any decision will be taken regarding construction of dams or other structures on Ghaggar or Tangri. Mathematical Model studies are likely to be completed by 31.10.2020 and after that GSC may take any decision.
- However, no E-flow/Ecosystem is possible through these dams.
- Further decision regarding construction of dams i.e. "increasing the storage capacity" on river Ghaggar as well its tributary river Tangri will depend upon discussions and deliberations in Ghaggar Standing Committee and decisions taken therein.

The Executing Committee noted the observations and directed that department of Irrigation shall also explore the possibilities of other projects which may maintain Environmental Flow in the river Ghaggar.

16. Septage and Faecal sludge management.

It was apprised that the proposal is under consideration. So far, the quantum of the sludge collected is very small in quantity and is being handled at the existing STPs. The problem has not been faced by the State so far, but for future course of action, the exercise is under proposal.

The Executing Committee apprised that in the last meeting, it was directed that Urban Local Bodies department, PHED, HSVP, D & P in consultation with Haryana State Pollution Control Board shall quantify the discharges of septage and Faecal sludge to be disposed off at particular STPs keeping in view the capacity of STPs and quantity of sewage being treated at the STPs so that disposal of such sludge may not hamper the functioning of STPs. However, the report is awaited.

After detailed discussion, it was directed that HSPCB shall pursue the matter and report be submitted by 30.11.2020.

17. In-situ bio-remediation in the drains carrying untreated sewage and not connected to STPs.

It was informed as under.

- Nodal Departments for execution of bio/phyto- remediation have been identified but work is yet to be taken up.

- ULBD intimated that they have started in Gurugram and Yamuna Nagar as pilot projects.
- The Chief Secretary, has advised that the departments concerned may have a direct experience of implementation in Delhi / Punjab, where such projects have been taken up and the same may be implemented immediately.
- The department visited sites of Punjab on 11.08.2020 and subsequently a workshop was organized through video conferencing on 17.08.2020 by HSPCB.

After detailed discussion, it was directed that Executing Agencies like ULB department, HSVP, PHED and Panchayat Departments shall identify the drains carrying untreated sewage and not connected to STPs immediately and provide appropriate in-situ bio remediation technology in the drains by 31.12.2020.

18. Installation of Real Water Quality Monitoring Stations (RTWQMS) in River Ghaggar.

HSPCB informed that permission to set up Real Water Quality Monitoring Stations (RTWQMS) in River Ghaggar has been granted by the concerned department.

It was again directed that Haryana State Pollution Control Board shall take immediate action to install Real Time Water Quality Monitoring Stations by 31.12.2020 at appropriate locations.

19. Watershed Management

It was submitted that the Agriculture Department is constructing various structures like check dams/ bunds etc. for watershed management in catchment area of river Ghaggar. 1514 such structures of costing Rs. 45.83 crore have been constructed. However, no report has been received from Panchayat department.

The Executing Committee noted the compliance and directed as under.

- **Agriculture Department shall construct and complete the remaining structures in a time bound manner.**
- **Panchayat department shall also submit its report regarding Watershed Management within 10 days.**

20. Status of prosecution launched by the State Pollution Control Board against the violators under the provisions of Water Act, 1974.

The latest status of prosecutions launched by HSPCB against the violators, in the catchment area of river Ghaggar, under the provisions of Water Act, 1974 was submitted as under.

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Abstract showing prosecution cases filed against the violators in Ghaggar River catchment area.				
Sr. No.	Region	No. of cases filed Before'2018	No. of cases filed after'2018	Total
1	Panchkula	4	17	21
2	Ambala	25	14	39
3	Kaithal	5	3	8
4	Hisar	4	8	12
5	Kurukshetra	0	5	5
6	Total	38	47	85

MS, HSPCB apprised that court cases against the violators are filed only after checking all the documents and duly vetted by Law Officers.

The Executing Committee noted the compliance and directed as under.

- HSPCB shall hold monthly meetings with the concerned officers dealing with court matter the status of the cases pending before the Environment Courts may be discussed in the meetings.
- HSPCB shall pursue the cases before the Hon'ble Courts for early decisions in the cases. Quarterly report in this regard may be sent to the Executing Committee.

21. Status w.r.t. tree plantation and bio-diversity parks to be developed along River Ghaggar

A) Tree Plantation

It was reported that in urban areas 19593, 13416, 9500 and 18078 trees have been planted by HSVP during the years 2016-17 to 2019-20. Plantation developed in the catchment area of River Ghaggar by the Forest Department was mentioned as under.

Details of plantation in catchment areas of Ghaggar river				
District	Plantation in the year 2018-2019		Plantation Target for the year 2019-2020	
	Area (Ha.)	No. of plants	Area (Ha.)	No. of plants
Panchkula	1117	8,31,000	404	4,81,000
Fatehabad	1519	11,41,000	855	7,20,000
Sirsa	863	8,81,000	624	5,27,000
Total	3499	2853000	1883	1728000

Forest Department has selected around 51 villages in the catchment areas of river Ghaggar and has proposed to plant around 2.6 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under.

District	No of Villages	No. of Plants to be planted
Panchkula	30	71150
Ambala	2	43000
Kaithal	3	3650
Fatehabad	12	131930
Sirsa	4	9000
Total	51	258730

Asst

B) Setting up biodiversity parks on flood plains by removing encroachment.

The details of Herbal parks for Bio-diversity conservation were submitted as under.

Herbal Parks for Bio-diversity conservation		
District	Name	Areas in Acre.
Panchkula	i) World Herbal Forest, Morni	12500
	ii) Kapoor Vatika at Mallah	25
	iii) Thapli Herbal Park at Village Thapli	10
	iv) Tikka-Tal Herbal Park	20
Fatehabad	i) Mulethi Vatika at Gilakhera	14
	ii) Er. Kanwar Sain Gupta Herbal Park at Tohana	25
Sirsa	i) Bahera Vatika at Village Fulkan Village	17
Total		12611

The Executing Committee noted the progress and directed that HSVP, department of Forest and other concerned department shall continue with the development of plantation and bio-diversity parks in the areas along the catchment area of river Ghaggar to attenuate the air quality, ecosystem and improvement in quality of the environment.

22. Additional Issues

i) Overflowing of ponds

The Chairman of the Executing Committee informed that number of complaints are being received regarding overflowing of village ponds and unhealthy conditions are being created for the villagers. There is urgent need to give attention towards the problem of villagers.

It was informed by Department of Panchayat that number of village ponds have been cleaned and desilted and capacity enhancement has been made. The department has taken note of it and the problem of overflow of pond shall be taken care of and necessary directions shall be issued to the Deputy Commissioners of the concerned Districts and necessary plan shall be prepared by 30.11.2020 to take appropriate steps to get stop the overflow of the ponds and report shall be submitted accordingly.

Pal

The Chairman of the Executing Committee noted the commitment made by the department of Panchayat.

ii) Pollution sources in Saraswati river

The Chairman of the Executing Committee apprised that during the last visit of the Executing Committee, it was noted that some of the industries were discharging untreated effluent in Saraswati river and were contaminating its water quality.

The Chairman of the Executing Committee directed that the concerned officer of department of irrigation of State of Haryana shall ensure that no such contaminated effluent of the industries or any other source may be allowed in Saraswati river and in future in every State level meeting of the Executing Committee, the concerned officer should be present in the meeting. HSPCB should convey the same to the concerned officer of department of Irrigation.

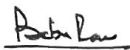
Lastly, the Chairman of the Executing Committee appreciated the efforts made by the concerned officers for preparation of data for the meeting and steps taken by the various department to control pollution in river Ghaggar. It was further desired that all the concerned departments should take proactive steps to menace the pollution in river Ghaggar in time bound manner.

sd/
Dr. Babu Ram

sd/
Ms. Urvashi Gulati

sd/
Justice Pritam Pal, former Judge
Punjab & Haryana High Court
now as Chairman of Executing Committee

Note: The Chairman and members of the Executing Committee have given their concurrence on the minutes of the meeting.


13.11.2020