

Minutes of 12th meeting of the Executing Committee held on 13.05.2019 under the chairmanship of Justice Pritam Pal, Former Judge, Punjab & Haryana High Court and now as chairman of the Executive Committee at Haryana Pollution Control Board, C-11, Sector 6, Panchkula in compliance to the Hon'ble NGT order dated 07.08.2018 in matter of OA No. 138 & 139 of 2016 titled Stench Grips Mansa's Sacred Ghaggar River (Suo-Moto Case) And Yogender Kumar.

The list of the participants of State of Haryana, Himachal Pradesh and U.T. Chandigarh is as per **Annexure-1**.

A) State of Himachal Pradesh

At the outset, Chairman, Executive Committee expressed great concern of the committee about the restoration of quality of River Ghaggar and desired that there is need to monitor the quality of water at entry and exit of the River in each of the State, point source, before and after confluence point sources with river Ghaggar. It was desired that the graphical presentation of each State must be prepared in this regard and the data shall be presented in every meeting of the committee. The District Level Task Forces should also identify the pollution sources and especially the electroplating and other highly polluting industries with respect to their pollution potential and upgradation / modification to be made in the existing pollution control system to ensure that there is zero discharge of effluent into River Ghaggar by these industries.

Chairman, Haryana State Pollution Control Board raised the issue of untreated wastewater being discharged from Jattan Wala Nallah at Kala Amb and ultimately into river Ghaggar and there is need to control the pollution from the industries as well as domestic effluent.

The Chairman, Executive Committee directed that both the State of Himachal Pradesh and Haryana must carry out joint monitoring of pollution sources entering into Jattan Wala Nallah and further leading to River Ghaggar and necessary steps must be taken to control these pollution sources into River Ghaggar. It was also desired that the Himachal Pradesh Pollution Control Board must carry out night inspection of the industries to check any sudden wastewater discharge entering into the River at Parwano and Kala Amb. Stringent action as per the provisions of

the Water Act, 1974 must be taken against the violating industries.

The discharge from the industries, which has more concern than the sewage discharge because many toxic and harmful constituents in industrial effluent may cause damage to the aquatic life including flora and fauna. There is also need to check the pipelines system apprehended to be maintained by the industries to discharge their untreated effluent into the drains / rivers. There is need to match the online monitoring data displayed on OCEMS with the actual analysis of the treated wastewater so as to plug the loophole maintained by the industries.

Thereafter, Member Secretary, Himachal Pradesh Pollution Control Board gave a power point presentation regarding existing status with respect to Action Taken Report of District and State Level Task Forces. He apprised the committee on the control of pollution sources as under:

- With regard to untreated wastewater being discharged at Nangal area as observed by the monitoring committee during its visit to Nangal area on 18.4.2019, it was informed by him that the site has been inspected by the Board and it has been observed that there is no wastewater coming from Himachal area.

Chairman, Executive Committee directed that the Himachal State Pollution Control Board and Punjab State Pollution Control Board should carry joint monitoring of the site and sort out the issue preferably after 25.05.2019 after the election code is over.

- Himachal Pradesh Pollution Control Board has prepared the status of industries located on the catchment area of drains at Kala Amb and Parwanoo and 43 industries have been inspected. Out of these 43 industries, notices have been issued to 8 industries and directions for disconnection of electric connection having issued 2 industries. 33 industries have improved their treatment system. To further monitor the industries, surveillance

squads have been formulated to carry out surprise inspection.

- 12 District Level monthly action taken report from Solan and Sirmour and 2 State Level Action Taken Report have been submitted so far and these have been uploaded on the website of the Board.
- ✓ **Chairman, Executive Committee directed HPSPCB to conduct regular workshop to make people aware about ill effects of pollution and their involvement to rejuvenate the quality of water of the River.**
- The State of Himachal Pradesh has notified the sub monitoring committees for monitoring of Action Plan.
- Irrigation and Public Health Authorities of the Himachal State submitted that for treatment of sewage of Parwano town, the fund has been tied up for 2 STPs each of capacity 1 MLD.
- For treatment of sewage including industrial effluent of Kala Amb area through CETP, DPR is under preparation for and the case of land transfer is under process.
- HPPCB has provided funds for setting up the Online Continuous Effluent Monitoring System (OCEMS) for monitoring the quality of the treated sewage at Kala Amb and Parwano area. The cost of the each system is Rs. 28 lacs with warranty period of 2-5 years. The parameters namely pH, BOD, DO, T.Coli / F. Coli shall be monitored through the system.
- ✓ **Chairman, Executive Committee decided that the details of the Online Continuous Effluent Monitoring System must be shared with Dr. Babu Ram, Member of the Executive Committee.**
- Sh. J.C. Babu, Member of the Executive Committee raised the issue about ground water contamination due to heavy metals including Iron, Fluoride, Total hardness. The Superintending Engineer of Irrigation and Public Health Department informed that the ground water study carried

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out by them indicate that there is no ground water contamination and all the parameters are meeting with the drinking water standard as IS 10500 : 2012.

- Sh. J.C. Babu, Member of Executive Committee also raised the issue about reuse of treated sewage and planning for water shed management for the entire State to ensure sufficient dilution into River during lean period. He also expressed his view point about provisions of holding tanks in the proposed STP during shut down period.
- It was apprised that presently there is no plan for use of treated sewage for irrigation due to non-feasibility, non viability and non availability of irrigation land for use of treated sewage. However, there is proposal of impart tertiary treatment to improve the quality of the treated sewage.
- CMO, Sirmour informed that 6 medical health camps have been organized and 20% of the patients have been found affected with water borne diseases. Detailed Health Study is to be conducted in September, 2019.
- MS, HPSPCB informed that the Board has taken many initiatives including plantation drive for rejuvenation of river and is also engaged in the project of making *dhoop* from temple waste. **The Board has further planning for planting 1000 trees on 25.5.2019 along Sukhna Nallah at Parwanoo and Chairman, Executive Committee shall be invited for the purpose.**
- Sh. J.C. Babu raised the issue about submission of progress report with regard to various activities to be completed as per the components of the Action Plan and progress in this regard shall be review in every meeting.

After detailed deliberation, the Chairman of the Executive Committee decided as under:

1. HPSPCB should take stringent action under the provisions of Water Act, 1974 against the industries found bye-passing the

untreated effluent and violating the norms. Power connection of such industries should be disconnected immediately.

2. The Board should also organize more activities of public participation by organizing workshops, displaying hoarding & playing jingles.
3. All the STPs must be installed and commissioned strictly as per the time schedule mentioned in the Action Plan.
4. CETP for Kala Amb area to treat the industrial wastewater must be setup in the time bound manner.
5. The State of Himachal Pradesh shall ensure that water shed management for the entire State must be carried out to ensure sufficient dilution into River during lean period.
6. Holding tanks of sufficient capacity must be constructed at the proposed STPs sites during shut down period.
7. Territory treatment in the existing / proposed STPs must be provided to improve the quality of treated sewage before its discharge.
8. The Deptt. of Health, shall conduct detailed health study in September, 2019.

State of Haryana

The Chairman Executing Committee apprised the participants about the inspections conducted by them in Panchkula and Pehowa, Kurukshetra and showed his displeasure on the status of Effluent Treatment Plants. They had inspected 6 industries and all were found in non functional state. Even the Online Monitoring Devices installed in the industries were displaying manipulated data.

The Chairman Executing Committee also desired that awareness programmes involving cleaning of rivers should be organised by the Board. Member Secretary, HSPCB informed that they have organised awareness programmes and people were called to clean the River Ghaggar and tonnes of plastic material was collected from the river bed. Chairman desired that people from local area should be involved. The religious people should be involved to motivate the public.

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Chairman, Executing Committee has directed the Member Secretary, HSPCB to visit the area near Sukhna Choe and plan for plantation of trees by Forest Department in the jurisdiction of Haryana as done by the HPSPCB.

1.0 Status of Sewage Treatment Plants

It was apprised as under:

- 20 STPs with 109.25 MLD capacity are being constructed in Haryana. All the STPs are based on SBR technology which shall treat sewage upto BOD standards of 10 mg/l.
- The monthly progress regarding the work executed as given in the Action Plan is being reviewed and it was found that targets are not met with the monthly Action Plan for following towns:-
 - ✓ Khatoli, Kot, Billa, Sukhdarsanpur, Kangowali, 12 Cross Road Ambala, Khuda Khurd, Dabra Hisar.

2.0 Sewerage network:

It was apprised as under:

- Sewerage lines are being laid down in the towns located in the catchment of River Ghaggar and work has also been executed for intercepting and diverting sewage from drains so that it could be treated into STPs. But targets are not met as per monthly Action Plan given by ULBD and PHED for Ambala Sadar, Cheeka, Kaithal and Fatehabad.
- Progress regarding tapping of sewage into nearest sewerage network was also reviewed and it was found that work has still not started in 58 locations in MC, Pehowa, Ambala, Barwala, Cheeka, Kaithal, Panchkula and Hisar.
- STP sludge samples have been collected by HSPCB and the sludge samples are not complying with compost standards given in the MSW Rules 2016.

It was decided that analysis including leachability test and the presence of heavy metals be got done for sludge samples by the concerned departments before reaching any conclusion on disposal of sludge.

3.0 Integrated Solid Waste Management (ISWM)

It was apprised that in the State of Haryana, 2290 tons per day of Solid Waste is being generated and 6 clusters have been formulated for which integrated Solid Waste Management Plan has already been prepared. It was further informed that monthly progress of the work executed is being reviewed and ISWM is delayed for 3 Clusters i.e. Fatehabad, Ambala and Hisar.

4.0 Online Continuous Effluent Monitoring System (OCEMS):

- * The State of Haryana has also installed Online Continuous Effluent Monitoring System (OCEMS) at outlet of STPs.
- * PHED has installed and connected OCEMS with HSPCB server at 5 STPs
- * HSVP installed and connected OCEMS with HSPCB server on 3 STPs
only, whereas, such systems are yet to be installed on 5 STP's.
- * The PHED has to install OCEMS on 38 STPs.
- * Garrison Engineer has to install OCEMS on 1 STP. The provision for installation of OCEMS at under construction STPs is already there in scope of work awarded to contractors.
- * Out of total 4 CETPs in the catchment of River Ghaggar, OCEMS have been installed at 3 CETPs and HSIIDC has to install OCEMS at 1 CETP.
- * 4 Large/ Medium industries have already installed OCEMS.

5.0 Inspection of industries

- It was apprised that 70 industries have been inspected.
- 34 industries have been found complying.
- 36 industries found non complying.
- Out of 36 industries, 9 non complying industries have already been closed, closure action is under process for 17

industries, show cause notices have been issued to 10 industries.

- The HSPCB has also closed 16 industries which were found operating illegally.
- The Board has also sanctioned prosecution against 37 industries and prosecution shall be filed after completing all legal formalities by end of May, 2019.

6.0 Monitoring of effluent quality of drains joining River Ghaggar:

It was also apprised that Board has been collecting samples from drain joining River Ghaggar. Samples from River Ghaggar / Drains in the catchment of River Ghaggar are collected monthly from 54 locations and the compiled data regarding the analysis report has been uploaded on the Website of HSPCB.

The comparative results show that there is improvement in quality of effluent though lot of work is still required to be done. The Executing Committee also directed that Real Time Monitoring Devices be also installed at drains joining river Ghaggar.

7.0 Creation of storage system for water and recycling of treated sewage of STPs:

It was apprised that the State has given plan for filling of ponds with river/Canal water during rainy seasons. Haryana has also made agreement with State of Himachal for creation of water dams/lakes in State of Himachal for storing water and use in lean period. It was also informed that Irrigation department has completed one project for recycling of treated water from STP of Pehowa and they require funds for the same for more such projects. Such activities shall reduce pressure on river water and help in increasing the flow of water in rivers.

8.0 Treatment of Sullage/sewage of villages:

It was also apprised by the Panchayat Deptt. Haryana that they have constructed 3 or 5 pond treatment systems for sewage of villages in 300-400 villages and shown the photographs also to the Chairman Executing Committee. Also survey has been done in the catchment of

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River Ghaggar and the Action Plan is prepared for construction of Waste Water Treatment system in the villages.

The Chairman Executing Committee desired that they shall visit the same.

9.0 Inspection by Surveillance Squad

It was apprised that HSPCB has constituted a Surveillance Squad for conducting surprise inspections of the industries already shown complying during the previous inspection done by the Field Officers/ District Task Force and the closure/ prosecution will be initiated against the violators alongwith recovery of the Environment compensation.

10.0 Environment compensation:

It was apprised that the HSPCB has issued policy order dated 29.04.2019 for levying Environmental Compensation on the polluting units based on polluter pays principal 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.

Sh. JC Babu enquired regarding the Real Time Water Quality River Monitoring Station to be installed at the entry and exit point of river Ghaggar from the State of Haryana. It was informed that the matter will be dealt with Irrigation Department.

After detailed deliberation, the Chairman of the Executive Committee decided as under:

1. HSPCB should take stringent action under the provisions of Water Act, 1974 against the industries found bye-passing the untreated effluent and violating the norms. Power connection of such industries should be disconnected immediately.
2. All the STPs must be installed and commissioned strictly as per the time schedule mentioned in the Action Plan.
3. Member Secretary Haryana State Pollution Control Board shall visit the area near Sukhna Choe and plan for plantation of trees

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by forest department in the jurisdiction of Haryana on the pattern of Himachal Pradesh.

4. HSPCB shall carry out analysis including leachability test and the presence of heavy metals be got done for sludge samples by the concerned departments before reaching any conclusion on disposal of sludge.
5. Online continuous effluent monitoring system (OCEMS) shall be installed on each STP as per the time schedule mentioned in the action plan.
6. HSPCB shall install OCEMS on the drains joining river Ghaggar within the firm time schedule.
7. Surprise inspection of the industry shall be carried out during odd hours and stringent action must be taken against the industries which are found not operating there effluent treatment plant or bypassing the effluent and discharging into drains/rivers.

B) U.T. Chandigarh

At the outset, Chairman, Executive Committee apprised the Committee has visited 02 No. units of Electroplating industries and found that units are operational in very shabby conditions and their ETPs were not operational. Workers were not found wearing gloves and there were acid fumes, which may cause harm to the workers. CPCC needs to issue closure order to these units under the provisions of Water Act, 1974.

Member Secretary, Chandigarh Pollution Control Committee informed as under: -

- Chandigarh Pollution Control Committee is monitoring the quantity and quality of water being released in Sukhna choe and N-Choe, it was highlighted that majority of the release points have been plugged by MCC, but there are some points which need civil construction and therefore may take a few weeks to get completely plugged. Thus, the quantity of discharge have

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been substantially controlled. Around 80% of the points have been plugged.

- As regards quality of water, it was reported that the entry and exit points of the drains are being monitored regularly by CPCC and as such there is no change in the quality of discharge as BOD levels continues to be high.
- District Level Special Task Force has visited all the discharge points at Sukhna choe & N-choe from the starting point to exit point of Chandigarh and Municipal Corporation, Chandigarh was directed to stop and take corrective measures to ensure that no untreated waste water discharge into choes.
- Out of 02 Nos. units which were visited by the Executive Committee, 01 No. unit has closed its operation permanently and directions for disconnection of electricity supply for the second unit has already been sent to concerned department. Further, regarding shabby condition, it was informed that almost all the electroplating units are very small and running in very small spaces.

After detailed discussion, the following decisions were taken:

- All the ETPs of electroplating units should be inspected and list of the inspected units along with action taken report should be provided to Executive Committee.
- CPCC shall submit action taken report on two electroplating industries which were earlier inspected by the executive committee and these industries were found not operating their ETP's
- CPCC should involve Industries Associations/Chamber of Commerce to generate awareness among industries owners on running of ETP units.
- In case even after such awareness campaign, the units fail to run the ETP, action under the provisions of the Water Act,1974 shall be taken by CPCC.
- All the discharge points in the drain should be plugged and action plan for the same with clear timelines like calling of tender, allotment and construction etc. shall be provided to Executive Committee.

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- Director of Factories should be invited in the next meeting of Executive Committee to explain why no action is being taken against the units where working conditions are very shabby and employees are working in unhealthy conditions.

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Annexure-1

List of the participants of State of Haryana, Himachal Pradesh and U.T. Chandigarh

Sr. No.	Name/ Designation/ Departments
1	Justice Pritam Pal, Chairman, Executing Committee
2.	Dr. Babu Ram, Member, Executive Committee
3	Sh. Chandra Babu, (Additional Director, CPCB, New Delhi) Member, Executing Committee
4	Dr. Vimal K. Hatwal,(Joint Director, MOEFCC, Chandigarh), Member, Executive Committee
Himachal Pradesh	
1	Dr. R.K PRUTHI , MS, HPSPCB, Shimla
2	Sh. Rakesh Kanwar, Director, Rural Development, Shimla, HP
3	Sh. R.K Gautam ,Director, Urban Development, Shimla, HP
4	Sh. Sanjeev Kumar, Superintending Engineer, H.P.I &P.H. Deptt, Shimla.
5	Dr. KK Parashar , CMO, Sirmorur, HP
6	Sh. S.K Shandil, EE, HPPCB, Shimla
7	Sh. Rajesh Thakur , Executive Engineer HIMUDA. Derision Parwanoo, HP
8	Sh. Gian S.Negi , JS, RDD, Shimla
9	Sh. Chandan Singh, AE, HPSPCB, Shimla
10	Dr.Gaggan Deep , Distt.Prog. Office of CMO, Solan, HP
Haryana	
1	Sh. Ashok Kheterpal, Chairman, HSPCB, Panchkula
2	Sh. S. Naryanan, IFS, Member Secretary, HSPCB, Panchkula
3	Sh. Shanker Jindal, Chief Engineer, Panchayati Raj, Haryana, Chandigarh
4	Dr. Asruddin , DHS, Health Department, Haryana, Panchkula
5	Sh. V.K ,Kalra, Chief Engineer, HSVP, Panchkula
6	Sh. K.K Verma, Chief Engineer, PHED, Panchkula
7	Sh. K.S Jakhar ,S.E (HQ) Dev.& Panchayats Deptt., Haryana,
8	Sh. Sanjeev Chopra, S.E (HQ), HSVP, Panchkula
9	Sh. Satish Goyal , XEN,ULB, Haryana, Panchkula
10	Sh. J.P Singh, EE (HQ), HSPCB, Panchkula
11	Sh. Satish Rathi, XEN, PHED, Panchkula
12	Sh. N.K Payal , XEN, HSVP, Panchkula
13	Dr. Kirti, Scientist 'B' (HQ), HSPCB, Panchkula
14	Sh. Virender Chauhan, XEN, Panchayati Raj, Haryana, Chandigarh
15	Sh. Dharmvir Singh , JE, MC, Barwala, Hisar
Chandigarh	
1	Sh. T.C. Nausyal , M.S. CPCC, Chandigarh
2	Sh. Vivek Pandey , ST. B,CPCC, Chandigarh

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