



CENTRAL POLLUTION CONTROL BOARD
(Water Quality Management Division-I)
"Parivesh Bhawan", East Arjun Nagar,
Delhi-110032

Minutes of Fourth meeting of the Executing Committee held on 09.10.2018 at 'Conference Hall, Hotel Peterhof, Shimla (H.P.) – 171004' under the Chairmanship of Hon'ble Justice Pritam Pal, Former Judge, Punjab & Haryana Court, in compliance to the Hon'ble NGT order dated 07.08.2018 in matter of OA No. 139 of 2016 titled Stench Grips Mansa's Sacred Ghaggar River (Suo-Motu Case) And Yogender Kumar

Fourth Meeting of the Executing Committee was held on 09.10.2018 at 'Conference Hall, Hotel Peterhof, Shimla (H.P.) – 171004' under the Chairmanship of Hon'ble Justice Pritam Pal, Former Judge, Punjab & Haryana Court, in compliance to the Hon'ble NGT order dated 07.08.2018 in matter of OA No. 139 of 2016 titled Stench Grips Mansa's Sacred Ghaggar River (Suo-Motu Case). The List of Officials attended the meeting is enclosed as **Annexure-I.**

Dr. R.K Pruthi, Member Secretary, Himachal Pradesh State Pollution Control Board (HPSPCB) welcomed the Chairman and Members of the Executing Committee as well as Officials of State Governments and Himachal Pradesh Pollution Control Board.

After a brief introduction of the Officials of different departments of Himachal Pradesh State, the Chairman of the Executing Committee has highlighted the seriousness of the issue and also urged officials to perform the duties seriously as there is no concrete action plans seen on ground till date. He also stated that preservation of River Ghaggar is an auspicious work, and it is the joint responsibility of all the three States (i.e., Himachal Pradesh, Haryana and Punjab) as well as Chandigarh Union Territory and to look into the effective enforcement of provisions on aspects related to industrial effluent, sewage and solid waste management and action should be taken against the violators. He urged all the Himachal Pradesh State officials to comply with the orders of Hon'ble National Green Tribunal in letter and spirit. Thereafter, The Hon'ble Chairman stressed that actions taken along with progress report shall be submitted to CPCB and also to the Executing Committee to apprise the Hon'ble NGT periodically in compliance to the Hon'ble NGT order dated 07.08.2018. The Chairman also informed that law violators should be prosecuted.

Thereafter, Member Secretary, HPSPCB informed that the State Level Task Force has been notified by Government of HP, comprising of Chief Secretary to The Government of Himachal Pradesh, Additional Chief Secretary (Environment Science and Technology), Additional Chief Secretary (Urban Development) Government of HP, Member Secretary, HP State Pollution Control Board and District Level Task Force comprising of the Concerned Deputy Commissioner, Nominee of the Concerned District and Session Judge, The Concerned Superintendent of Police, The Executive Officer of the Local Body of the Concerned District, The Regional Officer, HP State Pollution Control Board of the Concerned District. Thereafter, he requested Dr. Sharwan Kumar to make a presentation on the Status of Action Taken in compliance to the Hon'ble NGT order dated 07.08.2018.

Status of Water Polluting Industries / Civic Bodies in the Catchment of Markanda River : Kala Amb Region

Dr. Sharwan Kumar in his presentation informed the Executing Committee that Kala Amb is a small industrial cluster falling under the catchment of River Markanda. There are total 419 industries i.e., 54 Red, 215 Orange and 133 Green and 17 industries are White category. He also informed that 93 out of 419 industries are water polluting and total flow of Kala Amb industrial cluster is approx. 5.975 MLD and existing treatment capacity of ETPs is 7.28 MLD. All the water polluting industries have installed their respective ETP's/STP's for treatment of waste water. He also stated that River Markanda enters Kala Amb at Bikram Bag and leaves at Sadhora Bridge. It covers a distance of almost 130 km in Haryana before mixing with River Ghaggar in rainy season. Main drains at Kala Amb are (i) Jattan Wala Nallah; (ii) Roon Nallah; (iii) Sukdo Nallah and (iv) Salani Nallah which ultimately mixing in the River Markanda at Kala Amb. As per joint sampling of CPCB and HPSPCB, 14 km downstream Kala Amb, River Markanda has been found dry most of the times.

In the catchment of River Markanda, sub-catchment of Jattan Wala Nallah is the area of concern whose water quality has been found most of the times below the standard due to the discharge of un-treated sewage from various drains into it and Coliform is found more than 1600 MPN/100 ml. The Industries situated Near M/s Ruchira Paper Mill, where total 4 no. of industries i.e., 2 Paper Mills, Katha Unit and 2 Metal Finishing Units); (2) Near M/s Saboo Tor, where total 13 no. of industries i.e., Pharma-4, Glass toughening-3, manufacturing-3, metal finishing-3 and Cosmetic-1) and (3) Near M/s Jay Ajay Alloys, where total 12 no. of units (Pharma-6, scrap melting-3, Food processing-1, AC Assembly-1 and manufacturing-1) are contributing industrial effluent. He also stated that in addition to above, the sewage / sullage of Kala Amb which is partially in Himachal and partially in Haryana is also discharged into Jattan Wala Nallah.

In Jattan Wala Sub-Catchment, there are total 60 industries. 29 Out of 60 industries are water polluting and having total maximum pollution load of 6473.5 KLD. All the 29 industries have provided ETPs for treatment of industrial effluent generated from the respective unit. As per the estimation, the population of Jattan Wala sub catchment is around 1000 and floating population is approx. 5000 and total sewage generation is about 236 KLD. Apart from this, residential and industrial units situated in Himachal and Haryana are also contributing BOD load in Jattan Wala Nallah. He also stated that at present, there is no Common STP in Kala Amb Area. Untreated domestic sewage and sullage of civic population of Himachal and Haryana is carried by Jattan Wala Nallah which in turn is degrading the water quality of River Markanda. **Proposed action plan of H.P. State Government for Kala Amb area are as follows:-**

- HP Govt. has already taken initiative for installation of CETP-cum-STP of appx.10 MLD capacity at Kala Amb for ensuring treatment of waste water generated from industries and domestic sewage.
- M/s Kala Amb Infrastructure Company has already been registered under Company Act as SPV for setting up CETP in Kala Amb.
- M/s Kala Amb Infrastructure Company has undertaken the work of preparing DPR through M/s Shivalik Solid Waste Management Ltd. The land for the project has been identified by the committee comprising 'DC, Sirmaur; EE, HPSPCB, Paonta Sahib and GM, DIC Nahan'. The proposal has been sent to the H.P. State Govt. for final approval.
- The survey of the area will be conducted to identify the remaining point sources.
- HP Govt. has already constituted Special Task Forces at State Level and District Level for the purpose of identifying the persons responsible for discharging effluents beyond standards into tributaries of river Ghaggar.
- HPSPCB Paonta Sahib organized a meeting on 05.10.2018 under the chairmanship of Deputy Commissioner, Sirmaur to evaluate and expedite the process of installation of CETP at Kala Amb.
- Further, a District Level Task Force meeting has also been scheduled on 12.10.2018 to formulate the action plan for improving the water quality of the tributaries of river Ghaggar.

Status of Water Polluting Industries/Civic Bodies in the Catchment of Kaushalaya River, Parwanoo Region

Dr.Sharwan Kumar continued his presentation and also apprised the committee that Parwanoo Town in Himachal Pradesh is having 9 Sq.KM, which is a residential, small industrial as well as commercial area. Main river/drain in Parwanoo area are River

Kaushalya and Sukhana Nallah. In Parwanoo area, there are total 324 industries i.e., 14 Red, 27 Orange and 283 Green category. 41 out of 324 industries are water polluting in nature. The total effluent generation in Parwanoo area is 0.76 MLD and all the water polluting industries have installed captive ETPs for treatment of waste water.

In the River Kaushalya catchment area, total industrial effluent treatment capacity is about 52.5 KLD and STP capacity is about 15 KLD whereas total effluent generation in Sukhana Nallah catchment is about 693.3 KLD. There are 32 water polluting industries in Sukhana Nallah catchment. As per analysis results of the samples collected from Sukhana Nallah during the years 2015 to 2018 w.r.to pH, DO, BOD and Total Coliform reveals that the Water Quality of Sukhana Nallah is bad primarily due to Sewage Load. Water Quality of Kaushalya River is meeting the Class A of CPCB "Best Designated Use".

As regards to the sewage generation and treatment of sewage in Parwanoo, he informed that Parwanoo town has 2286 households and the town is divided into 9 wards and as per the Census India 2011, the population of Parwanoo city is about 8,758. At present, there is no CETP or STP is available in Parwanoo area and sewage generated from Parwanoo city is treated in individual septic tanks and trade effluent generated is treated in captive ETPs. **Areas of Concern :-**

- No Common STP in Parwanoo Area
- No CETP in Parwanoo.
- Area of Jurisdiction – Municipal Council Parwanoo.
- Sewage of Parwanoo Town is being treated in septic tanks provided by Municipal Committee, Parwanoo – Inadequate.
- Industrial Effluent is being treated in respective ETPs of industrial units.
- No hazardous constituents in water of Sukhna Nallah – River Monitoring Results.

Action taken report by H.P. SPCB for Parwanoo area are as follows:-

- FOCUS AREA - SEWAGE TREATMENT (as pollution load comprises primarily high BOD & High TC)
- Additional Chief Secretary (EST) cum Chairman HPPCB convened interdepartmental stakeholder meeting on 15.09.2018 in this matter.
- Directions issued to I&PH Division Solan to submit proposal of common STPs in Parwanoo Area.
- 3 to 4 common STPs are proposed considering topography of the area (0.2 – 0.4 MLD each).

- Action against defaulters / Directions issued – 05 units to install new STPs within 45 days.
- Action to be taken by: District Administration, Industries Department, HIMUDA & I&PH, H.P. State Pollution Control Board.

Observation and Directions Issued by the Executing Committee:-

Upon detailed deliberations following overall directions were issued by Executing Committee:-

1. **Flow Measurement :-** Irrigation and Public Health Department directed to explore possibility of channelization and also setting up of flow measurement systems at all the salient points such as before confluence of all drains and on River Markanda and River Kaushalaya and also at the exit point of State of HP –***Action by Irrigation and Public Health Department.***
2. **Installation of Real Time Water Quality Monitoring Station:-** Action should be taken by **Irrigation and Public Health Department** for installation of continuous Real Time Water Quality Monitoring Station in compliance with the Directions issued by CPCB under Section 18 (1) (b) of the Water (Prevention and Control of Pollution) 1974- ***Action By Irrigation and Public Health Department and District Level task force, HPSPCB***
3. **Identification of the Problems in the Catchment area of River Ghaggar and its tributaries and preparation of action plans:-** As Kala Amb and Parwanoo has already been classified as severely polluted area by the Central Pollution Control Board, the concerned state agencies to expedite the process of setting up of Common Effluent Treatment Plant, Sewage Treatment Plant and Solid waste Management Facility in the Catchment area of River Ghaggar and its tributaries after thorough gap analysis- ***Action by Industry Department, HPSIDC, HIMUDA, IPH and concerned Local Body, HP SPCB***
4. **Ground Water Sampling:- All the** Tube Wells /Hand Pumps need to be checked for the water quality compliances w.r.to the BIS Drinking Water Standards for all the relevant parameters i.e. pH, Fluoride, Sulphate, Mercury and other heavy metals. Also, the data of analysis report from Central Ground Water Board may also be collected and reported. Sampling should be done within one month by HPSPCB in association with Officials of Irrigation and Public Health Department (IPH)- ***Action***

5. **Quality of Drinking Water Supply:** - The Drinking Water Quality at Kala Amb Parwanoo Region also need to be checked and samples of drinking water shall also get be tested through NABL accredited laboratory or a Laboratory approved under E (P) Act, 1986. The drinking water quality assessment should also be included for the Monsoon Period along with Details of Treatment system followed before supply of Drinking Water. The Concerned Department shall prepare a brief note on “Drinking Water Quality” supplied to the Regions of Parwanoo and Kala Amb within 15 Days- **Action by Himachal Pradesh Housing and Urban Development Authority (HIMUDA) and Irrigation and Public Health Department (IPH).**
6. **Digital Map of River Ghaggar and its tributaries :-** A Digital map of River Ghaggar and Its tributaries should be prepared showing main towns/city-wise population, no. of industries (sector-wise no. of industries), water consumption by the towns/cities as well as by industries, sewage generation and industrial waste water effluent being generated, no. of captive wastewater treatment facilities by the industries and the total treatment capacity, no. of existing STPs and their capacities, no. of existing CETPs and their capacities, municipal solid waste generation, hazardous waste generation, existing solid and industrial waste management facilities including drainage map to be incorporated as a part of report-**Action by HPSPCB through AGISAC.**
7. **Water quality of River Ghaggar and its tributaries as well as drains:-** To have the trend in river water quality, drains characteristics, monitoring of river Kaushalaya or Ghaggar and its tributaries as well as the drains contributing pollution load shall be carried out once in a month henceforth by H.P.SPCB at all the salient points (i.e., upstream, downstream of confluence point of tributary or drain with the River Ghaggar in Himachal Pradesh, river or drain sample before confluence with the river Ghaggar or River Kaushalaya). Collected samples shall be get analysed for relevant parameters and results should be submitted to Executing Committee and CPCB.
8. **Compliance verification of Environmental Discharge Norms by the Industries prescribed under Water (Prevention and Control of Pollution) Act, 1974 and E (P) Act, 1986:-**

Routine and Surprise inspections of all the industries located in the catchment area of river Ghaggar and its tributaries shall be conducted immediately and list of industries which are complying and not complying to the environmental laws shall be

submitted to the Committee within one Month. The reports should be prepared and submitted as per the format to be circulated to HPSPCB by Shri J.C.Babu, Member of the Executing Committee. The Team leader of the inspecting officials should be either Scientist 'B' /Asst. Environmental Engineer or Scientist 'C'/Envi.Engineer, along with sampling team not below the rank of SSO. The inspecting officials also should collect ETP outlet sample as well as ground water sample located within the industry premises or in the vicinity or nearby village or town or city. ETP outlet samples should be collected and get analysed for the parameters as per the Consent issued under Water Act, 1974 whereas the ground water samples should be analysed for pH, Sulphate, Fluoride, TDS and the heavy metals such as As, Cr ³⁺, Cr ⁶⁺, Hg, Zn, Cd, Pd, Ni, Mn, Fe etc., following the standard protocol. The report should clearly indicate name of the officials inspected with details such as designation, address, contact mobile number and also e.mail **-Action by RO, HPSPCB, Paonta and RO, HPSPCB, Parwanoo.**

9. **Nomination of Officer's for Interstate Inspections:** - As desired by the Committee, HP State Pollution Control Board has to nominate four Officers for Interstate Industry inspections as well as sampling of river Ghaggar and its tributaries, as detailed below:-
 - 1) Er. Avinash Kumar Sharda, Environmental Engineer, HPSPCB Baddi.
 - 2) Er. Lalit Kumar, Assistant Environmental Engineer, HPSPCB Kala Amb.
 - 3) Er. Pradeep Modgil, Assistant Environmental Engineer, HPSPCB Kullu.
 - 4) Er. Varun Gupta, Assistant Environmental Engineer, HPSPCB, Dharamshala.
10. **Sewage and Solid Waste Management:** - **Area-wise** estimation of Population, water consumption pattern, expected sewage generation over the next 15 to 20 years, solid waste generation. Proposal to be made regarding required STPs with State-of-the-Art Technology for sewage management and also for development of integrated solid waste management facilities in the catchment area of River Ghaggar and Its tributaries. The Concerned State agency to ensure appropriate technology for Management of Sewage and Solid Waste. ***Action by MC, Parwanoo, Irrigation and Public Health Department (IPH), Urban Development and Himachal Pradesh Housing and Urban Development Authority (HIMUDA).***
11. **Hazardous and Biomedical Waste Management:** - The Committee was apprised that the state has one TSDF facility located at Dhabota, Nalgarh with Total landfill capacity of 10 Lacs MT which is catering to the requirement of entire State. In addition to this, HP SPCB also authorized 34 facility for recycling/utilization of Hazardous Waste under Hazardous and Other waste (Management & Transboundary Movement) Rules, 2016 as amended. Further, it was also informed

to the Committee that there are 3 Common Bio-medical Waste Treatment and Disposal facility situated at different locations. The Bio-Medical Waste generated by the Healthcare institution are treated and disposed properly in these facilities. With regard to Parwanoo and Kala Amb there are 08 Healthcare facilities and Bio-medical Waste generated is disposed of through authorized through Common Bio-medical Waste treatment Facility situated at Sandli, District-Solan. The Committee desired that the HP SPCB is required to do the gap analysis w.r.to such waste generation and the waste received, treated and disposed off by the such treatment and disposal facilities and also to ensure implementation of the Bar Code system to check the pilferage of bio-medical waste. - **Action by HPSPCB.**

- 12. Health Impacts in Parwanoo and Kala Amb :-** in order to assess the impact of water pollution and its impact on health of the public if any, the Committee desired that the State Department of Health, Govt. of Himachal Pradesh to compile the data of medical history of past 3 years in the Ghaggar and its catchment area. Also, State Department of Health, Govt. of Himachal Pradesh should organize health camps by involving both private and government hospitals on voluntary basis in the catchment area of River Ghaggar and its tributaries. Report on this account to be submitted within a month. **Action by Health Department, Govt. of Himachal Pradesh.**

In addition to the above the Hon'ble Chairman, Executing Committee has directed to comply on following points :-

1. The District Level Task Force (DLTF) comprising Deputy Commissioner, Superintendent Police, Regional Officer, a representative of District Session Judge shall conduct the inspections in the catchment of river Ghaggar and its tributaries at least once a month and submit the reports to SLTF on monthly basis . **Action by District Level Task Force.**
2. State Level Task Force need to take assessment of the report submitted by District Level Task Force and action be initiated and also to submit the report to Executing Committee and CPCB once in Quarter. **Action by State Level Task Force.**
3. Each Department shall identify a nodal officer and the contact details of the nodal officer as well as the Head of Department to be provided to the Executing Committee and CPCB within two weeks- **Action by All the concerned Departments.**
4. The Hon'ble Chairman is of the opinion that for speedy disposal of the court cases, High Court to be requested to make a designated court for the cases related to Environment 'or' Chief Judicial Magistrate may be designated as a special court for

cases under Environment Protection Act. Initially District-wise data regarding number of cases filed, pending cases, decided cases, period – for how long the cases have remained pending in the court, next date of hearing and such details be sent to the Secretary (Env.) Govt. of HP- **Action by HPSPCB, Office of Secretary, Environment.**

5. Drainage map to be clearly delineated and to be made part of the report.
6. Environmental surveillance squads comprising officials from different organisation be constituted and surprise inspections to be carried out by the Department concerned.

The Chairman of the Executing Committee thanked 'Member Secretary, Himachal Pradesh State Pollution Control Board' for excellent arrangements and for organizing fourth meeting of the Executing Committee.

Fourth meeting of the Executing Committee ended with vote of thanks to the Chair.

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List of Participants of the First meeting of the Executing Committee held on 09.10.2018 at 'Conference Hall, Hotel Peterhof, Shimla (H.P.) – 171004' under the Chairmanship of Hon'ble Justice Pritam Pal, Former Judge, Punjab & Haryana Court, in compliance to the Hon'ble NGT order dated 07.08.2018 in matter of OA No. 139 of 2016

S. No.	Name of the Official, Designation/Department
1.	Hon'ble Justice Pritam Pal (Retd.), Chairman, Executive Committee.
2.	Sh. J.Chandra Babu, Scientist, CPCB and Member, Executive Committee
3.	Dr. Vimal K. Hatwal, Jt. Director, MoEF&CC, and Member, Executive Committee
4.	Sh. Rakesh Kanwar, Director, Rural Development, H.P.
5.	Dr. R. K. Pruthi, Member Secretary, HPSPCB.
6.	Sh. Lalit Jain, Deputy Commissioner, Sirmour, H.P..
7.	Er. Suman Vikrant, EnC I&PH, H.P.
8.	Sh. Satpal Dhiman, Joint Secretary (ES&T), Govt. of HP.
9.	Sh. Jitender Sanjta, Additional Director, Industries Department, HP
10.	Dr. Bhanu Neopaney, PSO, Departemnt of E&ST.
11.	Sh. Vivek Chandel, ADM Solan, HP
12.	Dr. Pratibha Chauhan, DY. SP, Sirmour.
13.	Sh. Chaman Lal, Dy. SP, Solan.
14.	Sh. Basant Verma, Secretary, DLSA, Nahan
15.	Er. Sanjeev Kaul, SE, IPH, Nahan, HP
16.	Er. Mandeep Gupta, EE, IPH Nahan, HP
17.	Er. Sumit Sood, EE, IPH Solan, HP
18.	Dr. N.K. Mehta, Dy DHS, Directorate of Health Services, HP
19.	Sh. Sudhir Sharma, EO, MC Parwanoo, H.P.
20.	Er. Rajesh Thakur, AE, HIMUDA Parwanoo, HP
21.	Er. B.R. Raghuwanshi, AE HIMUDA, Nahan, HP
22.	Dr. Manoj Chauhan, PSO, HPSPCB, Shimla.
23.	Dr. Sharwan Kumar, SEE, HPSPCB, Poanta, HP.
24.	Er. Parveen Gupta, SEE, HPSPCB, Shimla
25.	Sh. Jitender Gupta, Sr. Law Officer, HPSPCB, Shimla.
26.	Er. Atul Parmar, AEE, HPSPCB, Parwanoo
27.	Er. Chandan Kumar Singh, AEE, HPSPCB, Shimla
28.	Sh. Baldev Bharti, Sanitation expert, UD Department, Shimla
29.	Sh. Praveen Sharma, Scientific Officer, HPSPCB, Shimla
30.	Sh. Sandeep Kumar, Asstt. Law Officer, HPSPCB, Shimla