

**Minutes of the 11<sup>th</sup> Meeting of the Executive Committee held with the State of Punjab, Haryana, Himachal Pradesh and U.T., Chandigarh on 12.4.2019 at 11.00 AM and 2.30 PM at Conference Hall, Punjab State Council for Science Technology, Mahatma Gandhi State Institute of Public Administration (MGISPA), Sector-26, Chandigarh under the Chairmanship of Hon'ble Justice Pritam Pal, Chairman, Executive Committee for ensuring the compliance of the Hon'ble NGT order dated 7.8.2018 in the matter of OA No.139 of 2016 – titled Stench Grips Mansa Sacred Ghaggar River (Suo Moto case) and Yogender Kumar.**

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11<sup>th</sup> Meeting of the Executive Committee was held with the officers of State of Himachal Pradesh and U.T. Chandigarh at 11.00 AM and 12.30 PM respectively, on 12.4.2019 under the Chairmanship of Hon'ble Justice Pritam Pal, Chairman, Executive Committee for ensuring the compliance of the Hon'ble NGT order dated 7.8.2018 in the matter of OA No.139 of 2016 – titled Stench Grips Mansa Sacred Ghaggar River (Suo Moto case) and Yogender Kumar. List of the participants is as per **Annexure-1** and **Annexure-2**.

### **Himachal Pradesh**

After a brief introduction of the officers of Himachal Pradesh State, Member Secretary Himachal Pradesh Pollution Control Board gave a detailed presentation regarding existing status w.r.t action taken report of District Level and State Level Task Force including number of Industries Catchment Wise, Proposal of Various Department Catchment wise along with cost estimate, sewage and trade effluent gap analysis, Details of sampling conducted including ground water sampling, legal action taken against the polluting Units, health camps organized, status of solid waste management, Public awareness initiatives and Proposed Project of Plantation called "WaPIS".

Thereafter, Sh. JC Babu has raised a concern regarding timely uploading of Monthly Action Taken report of District Level Special task Force and Quarterly Action Taken Report of State Level Special task Force. Sh. S.K Shandil, Environmental Engineer, HPSPCB has replied that monthly action taken reports are uploaded on the website of HPPSCB and quarterly action taken report is prepared recently after the review meeting held with chief secretary of HP on 08.04.2019, this will be uploaded on the website after the approval of chief secretary.

Thereafter the issue of Ground water Sampling and monitoring was discussed, and Executing Committee has directed the State to seal the contaminated sources of Drinking water supply not meeting the Standards of BIS 10500: 2012 and put up a display board stating that the source is not fit for drinking purpose. **(Action to be taken by IPH Department).**

The installation of Real-time Online Water Quality Monitoring System was discussed and it was decided that initially the installation equipment shall only have 04 parameters i.e pH, BOD, DO, FC and after its operation, later other parameters may also be included. The IPH department was asked by Executing Committee to expedite the setting up of this system. As discussed in the State level Task force meeting held on 08.04.2019, the necessary payment around 66 Lakhs shall be done by HPSPCB. **(Action to be taken by IPH & HPSPCB).**

Thereafter, the Dr. R.K Pruthi, Member Secretary, HPPSCB informed that a sum of Rs. 75 Lakhs has been issued for setting up the Sewage Treatment Plant to treat the sewage of septic tanks and periodic cleaning shall also be done as a part of interim arrangement and IPH department will implement the long term proposal of laying sewerage lines and setting the 02 No's of STPs in the Parwanoo area. As discussed in the State level task force meeting on 08.04.2019, the Principal Secretary (UD) to hold a meeting to decide

necessary funding of the project and execution of the same. **(Action to be taken by Urban Development & IPH, HIMUDA).**

The Executing Committee suggested that the sewage of Parwanoo Rural areas shall also be treated in proposed scheme IPH for Sewage Treatment instead of setting a different treatment system. The Rural Development shall quantify the waste accordingly. **(Action to be taken by IPH & Rural Development).**

The issue of Medical Health Camps was raised by Members of Executing Committee. The Director, Health Department has stated they have chalked out a Programme that Health Survey will be conducted with help of Medical Colleges including camps and relevant funding will be done by HP State Pollution Control Board. The Health Camps will also be organized on Monthly Basis. **(Action to be taken by Health Department).**

The Executing Committee directed the State of HP to initiate the work on priority basis and submit the monthly status report w.r.t finance allocation, land allocation, construction, laying and installation of sewerage system.

The Director, Urban Development Sh. R.K. Gautam informed that Solid Waste of Parwanoo area will be sent to Baddi where setting up of Waste Processing Facility<sup>is</sup> in progress. Till that time Private Player has already been engaged in recovery and re-processing of existing dumped waste at Parwanoo. The Solid Waste from Kala Amb area is currently being transported to Nahan for disposal, practice will be continued till new facility will be setup in Kala Amb. The Rural Development Department to take necessary steps regarding waste management of rural areas. **(Action to be taken by Urban and Rural Development).**

The Director, urban Development Sh. R.K Gautam has informed that land has been identified for disposal of Construction and Demolition waste in each districts. He said that RDF plant is already working in Shimla and another one is coming in Manali.

The Executing Committee has directed the State to form the Surveillance Squads to visit the industries including surprise visit and even on holidays and taken stringent action against polluting units. **(Action to be taken by HPSPCB).**

The revised action plan must be sent by States after including the aspects of plantation, setting up of Bio-diversity Parks, treated sewage reuse, etc. Member Secretary, HPSPCB informed the committee that Bio-diversity Parks is not feasible to setup on catchment of Sukhna and River Markanda. However, Plantation shall be done as proposed. **(Action to be taken by State Level task Force).**

The Executing committee directed the State of HP to form the "Monitoring Committee" in the State to review the progress of Action Plan implementation and design the future sewage treatment plants based on discharge norms for BOD value as 10 mg/l. **(Action to be taken by State Level task Force).**

Upon asking drain wise the details of Industries on the catchment area of Sukhna and River Markanda, the State has responded that the details have been prepared and shall be provided.

The Executing Committee directed HPSPCB to take stringent action against industries found by-passing the effluent and violating the norms, and Power supply shall be immediately disconnected. They further

instructed the State to organize more activities of public participation by organizing workshops, displaying hoarding, playing Jingles etc.

Sh. J. Chandra Babu, Member of Executing Committee suggested the State authorities to enforce the principal of Polluter Pay and levy the environmental Compensation on those responsible for creating pollution into the River.

After detailed deliberation, the following decisions were taken: -

1. The State Government/ State Pollution Control Board shall seal the contaminated source of drinking water supply not meeting the standards of BIS: 10500 : 2012 and put up a display board stating that the source is not fit for drinking purposes.
2. The monthly and Quarterly Action Taken Report should be uploaded on the website of HPPSCB and CPCB soon after the meeting of District and State Special Task Forces
3. H.P. Pollution Control Board shall expedite the process of installation of Online Effluent Monitoring System on the remaining STPs immediately.
4. Irrigation & Public Health (IPH) Department of the State will implement the long term proposal of laying sewerage lines and setting the 02 No's of STPs in the Parwanoo area and the Principal Secretary (UD) shall hold a meeting with the concerned officers immediately to decide about availability of necessary funds for the project and its early execution.
5. The Department of Rural Development shall quantify the wastewater generated from the rural areas of Parwanoo so as to treat the same under the scheme of IPH for sewage treatment.
6. Director, Health Department shall ensure that the Health Camps are organized on monthly basis.

7. The Department of Rural Development shall take immediate steps to manage the Solid Waste in rural Area.
8. The H.P. State Pollution Control Board shall formulate the surveillance squads to visit the industry including surprise visits and even on holidays and stringent action must be taken against the polluting industries.
9. The State Government shall formulate "Monitoring Committee" in the State to review the progress of Action Plan implementation. All the STPs must be designed in such a way that the treated sewage must achieve the BOD level less than 10mg/l.

### **U.T., Chandigarh**

Sh. Vivek Pandey, Scientist 'B', Chandigarh Pollution Control Committee gave the presentation, in which, he informed about the latest status/action taken to stop the discharge of wastewater into Sukhna Choe and N-Choe as well as the status of Bio-Medical Waste, E-Waste, Municipal Solid Waste, Hazardous Waste and Plastic Waste. The status of treatment of industrial wastewater and types of industries. Methodology of treatment of electroplating wastewater was also deliberated.

After detailed deliberation, the following decisions were taken:-

1. Municipal Corporation, Chandigarh alongwith the Officer/Officials of Chandigarh Pollution Control Committee shall do the surprise visit and check the plugged/un-plugged points of Sukhna-Choe and N-Choe from time to time.
2. Chandigarh Pollution Control Committee shall check the treatment/processing facility of Hazardous Waste and E-Waste i.e. M/s Ramky Enviro Engineers Ltd. at Nimbua, Derabassi and M/s Bharat Oil, Ghaziabad etc. to verify that waste taken by them from U.T., Chandigarh is being treated & disposed off properly. Big Companies dealing in electronic items should have the take back policy for E-Waste and should

follow the EPR Provisions and should have collection centres for the same.

3. Hazardous Waste generation from Industries shall be checked as per condition mentioned in the authorization and manifest and the same shall be verified.
4. The constructions of new STPs and up-gradation of existing STPs should be completed by 01.01.2021 and if there is any delay, the justification in this regard be submitted in form of an affidavit before the Hon'ble NGT.
5. Environment Compensation on the basis of "Polluter Pay Principal" should be implemented on all the erring industries and the polluting agencies as per the order of Hon'ble NGT dated 19.02.2019 in the matter of Paryavaran Suraksha Samiti & Anrs. Vs. Union of India & OA No. 593/2017. Environment Compensation should also be imposed on Municipal Corporation for the STPs not complying with the norms.
6. The Incinerators which are not as per latest Bio-Medical Waste Rules/CPCB guidelines, suitable action for their closure shall be taken accordingly.
7. All the STPs must be designed in such a way that the treated sewage must achieve the BOD level less than 10mg/l.
8. Atleast 10% of water polluting industries must be inspected and sample should be collected to verify the fact, whether effluent is meeting with the prescribed norms or not and necessary action should be taken against the violators.

The Executive Committee also held meeting with the officers of the State of Punjab and State of Haryana on 12.4.2019 at 2.30 PM and 4.30 PM, respectively. The list of the participants is as per Annexure-3 and Annexure-4. The minutes of the meeting held with these States are mentioned as under: -

## **State of Punjab**

### **1. Control of Pollution in River Ghaggar due to domestic effluent:**

#### **1.1 Status of STPs:**

MS, PPCB apprised that there are 43 STPs required to be installed in 30 towns and presently 20 STPs are in the operational state. All the STPs are being monitored on monthly basis. Some of the STPs not meeting with the standards consistently, failing in the parameter of BOD and / or F. Coli and 07 STPs were not achieving the prescribed standards in the month of March, 2019. The CEO, PWSSB informed that there is improvement in the functioning of all the STPs with regard to BOD parameter which has been now reduced to 30-35 mg/l instead of 100 mg/l as detected earlier.

The issue of presence of Oil & Grease in the inflow of STP, Zirakpur was raised in the meeting and it was suspected that some outside sources are responsible for the same as there is no industry in Zirakpur Area.

The CEO, PWSSB informed that the instrument for the monitoring of F.Coli is too costly, to which Sh. Vimal K. Hatwal, Member, Executive Committee informed that the variation in F.Coli is not instant and it takes enough time to improve/ worsen, therefore, for the time being, this parameter may be omitted from the purview of the OCEMS.

#### **1.2 Upcoming STPs:**

It was informed by the MS, PPCB to the committee that the remaining 23 STPs are proposed to be installed latest by 31.12.2020 and 01 STP of Rajpura Town (10 ml/d) has already commissioned. Further, the site of proposed STP at Lalru under litigation, Execution work in 07 STPs has been started and is within the given timelines, documentation work of 12



STPs have started within timelines and 02 of the STP is exceeding prescribed timelines i.e. Patiala (upgradation) and Bhadson.

The Chairperson specifically enquired about the details of litigation w.r.t. STP, Lalru and observed that when there is no stay by the Hon'ble court, the work can be started. However, the officers of the PWSSB informed that the local residents are not allowing any activity at site.

### **1.3 Treatment Facilities in Rural Areas:**

It was apprised that the treatment facilities in villages with discharge more than 300 KLD will be installed by 31.1.2020, villages having discharge 100-300 KLD will be installed by 31.1.2021 and villages having discharge less than 100 KLD will be installed by 31.1.2022.

The CEO, PWSSB briefed about the available technology to be adopted for the treatment of sewage in rural area. There is a waste stabilization pond, 'Five Pond System' adopted by Haryana and another one is 'Seechewal Model'. Department will adopt one of the above said technologies in consultation with the PPCB.

After detailed discussion/ deliberations, the Chairperson desired that the given timelines in the action plan must be adhered to.

## **2. Utilization of treated sewage for irrigation purposes:**

It was apprised that irrigation project for utilization of treated wastewater of 9 STPs has already been commissioned wherein 47 MLD of treated sewage is being consumed, catering to 1309 Hectare area under cultivation. Further, the committee was apprised regarding the upcoming schemes for utilization of treated sewage which shall be completed within 14 to 20 months from the date of financial closure.

PSSSTE specifically enquired about the utilization of the treated sewage during lean/ no demand period and suggested that some mechanism must be evolved for utilization of treated sewage for purposes other than irrigation, which can be made functional during the lean/ no demand period. The officers of the PWSSB submitted that the farmers in the State are reluctant to use treated sewage due to the fact that power & water are free for the agriculture sector in the state of Punjab. Therefore, the farmers in the state prefer tube-well supply for cultivation which costs them nothing.

**3. Status and Control of Pollution in River Ghaggar due to Industrial Effluents:**

MS, PPCB informed that Board has not allowed any industry to discharge its wastewater into river Ghaggar either directly or indirectly, as a policy matter. There are 48 (41 in Dera Bassi and 7 in District Patiala) major water polluting industries in operation in the catchment area of river Ghaggar, which are located nearby the drains / choes / nallahs, as such, all these units are being monitored closely.

Out of 48, earlier 13 industries were found non-complying. All were issued notice u/s 33-A of the Water Act, 1974 with an opportunity of personal hearing at appropriate level. Bank Guarantee of Rs.6.10 lakhs pertaining to one of the units (M/s PCCPL - Alpha Drugs) has been encashed. During Jan., Feb. and March, 2019, 18 number industries visited surprisingly, out of which 02 units were found violating. Accordingly, action against M/s Patiala Distillers was initiated and its Bank Guarantee of Rs.5 lakh encashed, fresh Bank Guarantee of Rs.5 lakh also imposed. The water consent of the other unit namely M/s SSG Paper Mills has been revoked. The Member Secretary, PPCB informed that these units have been given time for improvement and in case of

failure, action u/s 33-A of the Water Act, 1974 will be initiated for closure of the units.

The PSSTE specifically enquired about the online monitoring system in these units and asked the PPCB officers that why such violations cannot be identified by analyzing the data in the OCEMS. He stressed upon the fact that, in case of identifying the violations by surprise visit by the PPCB only, then the logic for installing OCEMS and CCTV cameras stands defeated. The PPCB must get the data analysed and in case of variation, action must be taken, this will also vindicate the decision to get the OCEMS installed by the industries.

#### 4. **Surface Water Monitoring under NWMP scheme:**

MS, PPCB brought out that 14 locations have been earmarked for the monitoring of water quality in river Ghaggar and this monitoring is being carried out on monthly basis. On the basis of recent results, the quality of water in river Ghaggar stands at 'D' at the entry point in Punjab and 'E' at the exit point from Punjab. During the entire stretch in the state of Punjab, the quality of river water varies between D and E.

The quality of river water suddenly deteriorates after the confluence point of Sagar Para Drain coming from Haryana.

The results of surface water quality in Ghaggar for the month of Jan, Feb & Mar, 2019 were deliberated and following conclusions were presented.

- The concentration of BOD level at point no. 2 i.e. Bhankharpur decreased from 36 to 22 mg/l and finally to 17 mg/l. Similarly, F.Coli reduced from 8400 to 3400 MPN/100ml.
- F.Coli has been decreased at point no. 3 i.e. Chattbir from 7000 to 3300 MPN/100ml.

- The water quality has been improved at point no. 4 and 6 i.e. U/s Jharmal Nadi and U/s Dhakanshu from E to D.
- At point no. 8 i.e. Rattanheri, BOD level decreased from 23 to 15. Similarly, F.Coli reduced from 5800 to 3400 MPN/100ml.
- At point no. 10, the BOD suddenly jumps from 16 to 35 mg/l after the confluence of Sagar Para drain (contribution from Haryana) and water quality again deteriorated from D to E.

**5. Online Continuous Effluent Monitoring System:**

It was informed that all the industries with discharge of more than 50 KLD are required to install OCEMS and out of 48 industries, 26 industries are required to install OCEMS, out of which 14 industries have already installed. Remaining 12 industries have been given time upto 31.7.2019 to install OCEMS.

The chairperson directed that the given timelines must be complied.

**6. Review of the Monitoring Mechanism:**

It was apprised that the first meeting of SLSTF was held on 16.1.2019 wherein action plan was finalized and necessary instructions conveyed to all the stake holder departments. The proceedings of the said meeting have already been uploaded on the website of PPCB. A meeting was also held on 10.4.2019 to review the progress on action plan under the chairmanship of Chief Secretary, Govt. of Punjab. Till now, 3 meetings of each DLSTF have been held under the Chairmanship of respective Deputy Commissioners of SAS Nagar, Patiala, Sangrur and Bathinda. The proceedings of these meeting have been uploaded on the website of PPCB and have also been conveyed to the SLSTF.

The committee specifically pointed out that some of the proceedings have not been uploaded on the website and asked PPCB to upload the proceedings, immediately.

The MS, PPCB submitted to the committee that all the proceedings have been duly uploaded and showed the uploaded proceedings on the website to the committee.

**7. Compliance of the decisions of 10<sup>th</sup> meeting of the Executing Committee held on 29.3.2019:**

It was further apprised that the decision of the committee meeting held on 29.03.2019 have been complied with. However, the chairperson enquired about the surprise inspection of the industries by the DLSTF, to which the MS, PPCB submitted to the committee that the respective Deputy Commissioners are being pursued but the inspection could not be carried out as the entire State machinery is busy in the Lok Sabha Election-2019 process. The MS, PPCB further informed that regular visits on surprise basis are being carried out by the PPCB and the visits by the DLSTF will only duplicate the activity.

The Chairman, PPCB submitted that the ground water sampling 500 m away on both sides of river Ghaggar at every 5 km stretch will be practically very cumbersome. Moreover, the hydrology of the area and aquifer need to be studied before planning for ground water sampling. Further, enough exercise has already been undertaken by the State wherein nearly 35000 samples have been analyzed and proper mapping of underground water has been done. He suggested that CGWA and hydrology department need to consult before starting a sampling of the suggested aquifer and its location along the River course.

**8. Health Camps Organized:**

The MS, PPCB informed to the committee that the total number of 38 medical health camps were organized by the Medical Professionals of Sub Divisional Hospitals of the towns i.e. Mohali, Patiala, Sangrur, Mandi Gobindgarh and Mansa upto February, 2019 and 7 number medical health camps have been organized in the month of March, 2019.

**After detailed deliberation, the following decisions were taken:-**

1. District level Special Task Force shall identify the culprits who may be throwing their waste into the sewerage network of STP, Zirakpur. The matter may be taken up with the concerned Deputy Commissioner and PWSSB will write to the Deputy Commissioner to identify such miscreants and to take legal action against the violators according to the law.
  2. The matter regarding installation of STP Lalru, where the local residents are not allowing any activity at site, PWSSB shall take up the matter with Deputy Commissioner, SAS Nagar to ensure that no hindrance is created by any locals in the construction activity of the said STP. Further, an application for early hearing be filed in the court where the case is pending.
  3. Sewage treatment plants for treatment of Sullage/Sewage of Villages must be installed in a time frame as mentioned in the Action Plan.
  4. The farmers surrounding of the STP's must be encouraged to utilize the treated sewage to the maximum and the benefits of utilization of the treated sewage for irrigation purposes shall be propagated among them.
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5. All the STPs must be designed in such a way that the treated sewage must achieve the BOD level less than 10mg/l.
6. PPCB must continue the surprise checking of industries and also support their activities with data analysis from OCEMS. The CPCB will also carry out the data analysis of OCEMS to identify the violations.
7. Punjab Pollution Control Board shall take up the matter with Haryana Pollution Control Board regarding the issue of sudden rise in the BOD level in Ghaggar after the confluence of Sagarpara drain coming from Haryana. The officers of both the State Pollution Control Board shall make efforts for improvement in quality of River Ghaggar water .
8. Online Continuous Effluent Monitoring System for the remaining 12 industries must be installed as per the time schedule given to these industries.
9. Monthly and quarterly action taken reports must be uploaded on PPCB and CPCB website soon after the meetings of District Level Special Task Force and State Level Special Task Force.
10. The District Level Special Task Force will visit the industries on surprise basis where grave/ huge violations are suspected.
11. Punjab Pollution Control Board shall carry out ground water sampling on six monthly basis from both sides of River Ghaggar at every 10km stretch and submit the analysis results to the Executive Committee.
12. Besides above, Chairman, Executive Committee also directed that the Nodal Officer deputed by Punjab Pollution Control Board in OA No. 138-39 the matter of "Stench Grips Mansa Sacred Ghaggar

River” (Suo Moto case) and Yogender Kumar must be replaced with some other dedicated officer keeping in view the family circumstances of the present Nodal Officer, though he is working efficiently in the present case.

## **State of Haryana**

### **1. Sewage Treatment Plants:**

It was apprised that 20 STPs with 109 MLD capacity are being constructed in Haryana and sewers are being laid in towns along River Ghaggar. These activities shall be completed by August 2020. All the STPs are based on SBR technology which shall treat sewage upto BOD standard of 10 mg/l. Similarly Solid Waste Management Plants shall be established in the State of Haryana for scientific disposal of Municipal Solid Waste.

The state of Haryana has also been working in intercepting and diverting sewage from drains so that it could be treated into STPs. The tanker system has been initiated for towns and sewage from areas which do not have access to sewer network shall be taken to STPs. The online monitoring mechanism shall be implemented to monitor the movement of tankers.

It was also apprised that 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 for leachability test and the presence of heavy metals be got done for sludge samples before reaching any conclusion on disposal of sludge. It was informed that industries shall be got inspected by HSPCB which might discharge industrial effluent into sewers leading to STPs.

### **2. 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 OCEMS at 10 STPs and HSVP installed OCEMS on 7 STPs so far. The PHED has to install OCEMS on



38 STPs and HSVP has to install at 1 STP. These shall be installed by April 2019. The provision for installation of OCEMS at under construction STPs is already there in scope of work awarded to contractors. Similarly OCEMS have been installed at 3 CETPs and HSIIDC shall install OCEMS at 1 CETP by April 2019. The 13 Large/ Medium industries have already installed OCEMS.

### **3. Inspection of industries**

The inspections of industries are being carried out and so far 70 industries have been inspected. 34 industries have been found complying and 36 industries found non complying. 11 non complying industries have already been closed, closure action is under process for 4 industries, show cause notices issued to 15 industries and 4 industries have applied for re-sampling. The HSPCB has also closed 51 industries which were found operating illegally. The Board has also sanctioned prosecution against 41 industries and prosecution shall be filed after completing all legal formalities by end of April 2019.

### **4. Monitoring of effluent quality of drains joining River Ghaggar: -**

It was also apprised that Board has been collecting samples from drain joining River Ghaggar. The comparative results show that there is improvement in quality of effluent though lot of work is still required to be done. The sampling points have been marked on Geo Map. Dr. Babu Ram desired to provide the copy of Geo Map. The copy was provided to him. The updated copy shall be provided during next meeting having average values of the polluting parameters.

### **5. 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.

#### **6. Treatment of Sullage/sewage of villages:**

It was also apprised that Panchayats department is in the process of establishment of 3 or 5 pond treatment systems for sewage of villages. Sh. Shankar Jindal, Chief Engineer informed that they have already established such systems in some villages. Sh. Chandra Babu desired that list of such villages along photographs be sent and asked that Panchayat Department should not stick to 3 or 5 ponds system only and explore the better technologies for sewage treatment. It was also emphasised that the treated water shall be used for Irrigation purpose and it should be ensured that pH, Boron and SAR parameter should meet the prescribed standards.

Sh. Chandra Babu enquired about the performance guarantee to be submitted in case of OA No. 673/2018. Member Secretary, HSPCB informed that a meeting at level of Additional Chief Secretary Finance has been held on 11.4.2019 and the State shall submit performance guarantee as per orders of Hon'ble National Green Tribunal.

#### **7. Environment compensation:**

Member Secretary, HSPCB enquired about the environment compensation to be charged from violators and averred that there is no legal backing for environment compensation to be charged by State Boards. At this, Sh. J.C Babu asked for seeking clarification from CPCB in writing on this issue.

### **8. Increase in man power in Haryana Pollution Control Board:-**

Chairman, HSPCB apprised the Executing Committee that there is acute shortage of staff in HSPCB and as a result the work of Board is suffering badly. The Board do not require any funds from the State Government and generates its own financial resources through the consent fees paid by the industries. The Board has sent proposal to Haryana Bureau of Public Enterprises through State Government for sanction more posts but the proposal is held up due to election code of conduct. Further, even the sanctioned posts are lying vacant and Board has already sent requisition to the HPSC and HSSSC for recruitment of staff and its pending for more than 6 months. Now these are held up due to election code of conduct and work is suffering badly. The Chairman of Executing Committee also showed his concern about it.

After detailed deliberation, the following decisions were taken: -

1. The monthly and Quarterly Action Taken Report should be uploaded on the website of Haryana Pollution Control Board and CPCB soon after the meetings of Distt. and State Special Task Forces.
  2. HPCB shall expedite the process of installation of Online Effluent monitoring system on the remaining STPs, immediately.
  3. All the STPs must be designed in such a way that the treated sewage must achieve the BOD level less than 10mg/l.
  4. Solid Waste Management Plants shall be established in the State of Haryana for scientific disposal of Municipal solid waste in a time bound manner.
  5. Haryana Pollution Control Board shall carry out the surprise checking of industries through special surveillance teams. Further, the Board shall carry out inspection of those industries which have their discharge into sewer leading to STPs.
  6. Haryana State Pollution Control Board shall carry out ground water sampling on Six monthly basis from both sides of River Ghaggar at
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every 10km stretch and submit the analysis results to the Executive Committee.

7. HSPCB shall install GPS system on the tankers used for carrying sewage for towns/areas, which have not access to sewerage system leading to STPs for tracking their locations.
8. The Board shall carry out analysis for leachability test and presence of heavy metals in the sludge samples before deciding the method of disposal of the sludge.
9. Sewage treatment plants for treatment of Sullage/Sewage of Village must be installed in a time frame as submitted in the Action Plan.
10. The Board shall submit performance guarantee as decided in case of OA No. 673 of 2018 by the Hon'ble NGT.
11. The Board shall take up the matter with CPCB to seek clarification regarding environment compensation to be charged from the violators.

**Annexure-I (Himachal Pradesh)**

**List of Participants of the 11<sup>th</sup> meeting of the Executing Committee, 12.04.2019 at MGISCST, Sector-26, Chandigarh' under the Chairmanship of Justice Pritam Pal Former Judge, Punjab & Haryana Court for ensuring compliance to Hon'ble NGT vide order Dated 07-08-2018 in the matte of OA No. 138/2016 (T<sub>NHRC</sub>) and OA No. 139 of 2016 (T<sub>NHRC</sub>) .**

<b>S. No.</b>	<b>Name of the Official, Designation/Department</b>
1.	Justice Pritam Pal, Chairman, Executing Committee
2.	Sh. J. Chandra Babu, Additional Director, CPCB and Member, Executing Committee (NGT, Ghaggar River)
3.	Dr. Vimal K. Hatwal, Joint Director, Regional Office, MoEF&CC, Chandigarh
4.	Dr. Babu Ram, Former, Member Secretary and Special Invitee as Member, Executive Committee.
5.	Dr. R. K. Pruthi, Member Secretary, H. P. State Pollution Control Board, Shimla
6.	Sh. Ram Kumar Gautam, Director, Department of Urban Development, HP
7.	Sh. Satpal Dhiman, Joint Secretary(Env. Sci. & Tech.) to the GoHP
8.	Sh. Gian S. Negi, Joint Secretary (Rural Development) to the GoHP.
9.	Dr. A. K. Gupta, Director, Department of Health and Family Welfare HP
10.	Dr. D. K. Daroch, Chief Medical Officer, Solan (Department of Health and Family Welfare) H.P.
11.	Dr. K. K. Prashar, Chief Medical Officer, Sirmour (Department of Health and Family Welfare) H.P.
12.	Dr. Babu Ram, Member of the Executive Committee (NGT, Ghaggar River)
13.	Dr. Gagan Deep Raj Hans, District Program Officer, O/O CMO Solan (Department of Health and Family Welfare) H.P
14.	Dr. Vinod Kumar Sahgal, District Program Officer, O/O CMO Sirmour (Department of Health and Family Welfare) H.P
15.	Er. Rajesh Thakur, Executive Engineer, HIMUDA HP
16.	Dr. J. S. Sodhi, Chief Engineer, Department of I & PH HP
17.	Er. S. K. Shandil, Nodal Officer-cum- Environmental Engineer (NGT Committee), H. P. State Pollution Control Board, Shimla

**Annexure-2 (Chandigarh)**

**Attendance Sheet for the meeting held on 12.04.2019 under the chairmanship of Justice Pritam Pal Chairman Executing Committee w.r.t. directions dated 07.08.2018 issued by Hon'ble National Green Tribunal in the matter w.r.t. O.A. No. 138 of 2016 and O.A. No. 139 of 2016 titled Stench Grips Mansa's Sacred Ghaggar River.**

<b>Sr No.</b>	<b>Name of Person</b>	<b>Designation</b>
1	Justice Pritam Pal	Chairman
2	J.Chandra Babu	Additional Director
3	Dr. Babu Ram	Member Executive Committee
	Dr. Vinod K. Hatwal	Joint Director
4	Debendra Dalai, IFS	Spl. Secy Env. Chd.
5	Manoj Bansal	Chief Engineer
6	Harish Saini	Executive Engineer
7	Rajinder Singh Ahluwalia	S.E. (Ph)
8	I.D. Sharma	E.E. (PH)
9	S.K. Gill	E.E (PH, Divn-2)
10	Gagandeep Singh	Manager (Engg)
11	Satwant Singh	Construction Mgr.
12	Vivek Pandey	Scientist 'B'
13	Sushil Dogra	Scientist 'B'

**Annexure- 3 (Punjab)****List of Participants**

- 1) Sh. J. Chandra Babu, Scientist 'D', CPCB and Member, Executive Committee
- 2) Dr. Vimal K. Hatwal, Jt. Director, MoEF&CC, and Member, Executive Committee
- 3) Dr. Babu Ram, Former MS-PPCB, Member, Executive Committee
- 4) Sh. R.K. Verma IAS, Principal Secretary, Deptt. of Science & Technology & Environment
- 5) Sh. Ajoy Sharma IAS, CEO, Punjab Water Supply and Sewerage Board
- 6) Prof. S. S. Marwaha, Chairman, Punjab Pollution Control Board, Patiala
- 7) Er. Krunesh Garg, Member Secretary, Punjab Pollution Control Board, Patiala
- 8) Er. Gulshan Rai, Chief Environmental Engineer, Punjab Pollution Control Board
- 9) Er. K.P. Goyal, Engineer in Chief, Punjab Water Supply and Sewerage Board
- 10) Er. V.K. Garg, Chief Engineer, Punjab Water Supply and Sewerage Board
- 11) Er. A.S. Kalsi, Chief Engineer, Punjab Water Supply and Sewerage Board
- 12) Er. Sunil Kansal, Chief Engineer, Department of Housing & Urban Development
- 13) Er. K.S. Chahal, Superintending Engineer, Punjab Health System Corporation
- 14) Er. Davinder Singh, Senior Engineer, GMADA
- 15) Er. Ashok Sharma, Environmental Engineer, PPCB, RO, SAS Nagar
- 16) Er. Lata Chauhan, Executive Engineer, Punjab Water Supply and Sewerage Board
- 17) Er. S. S. Dhillon, Executive Engineer, Punjab Water Supply and Sewerage Board
- 18) Er. Mohit Bisht, Asstt. Environmental Engineer, PPCB, RO, SAS Nagar

**Annexure -4 (Haryana)****Meeting on 12.04.2019 (State of Haryana) Executing Committee under Chairmanship of Justice Pritam Pal, Chairman, Executing Committee**

<b>Sr. No.</b>	<b>Name and Designation/Department</b>
1.	Sh. J. Chandra Babu (CPCB).
2.	Dr. Vimal K. Hatwal/ MOEF
3.	Dr. Babu Ram, Former, Member Secretary and Special Invitee as Member, Executive Committee.
4.	Sh. Ashok Kheterpal, Chairman, HSPCB
5.	Sh. S. Narayanan IFS Member Secretary, HSPCB.
6.	Sh. K.K. Verma,(CE)/ (PHED).
7.	Sh. Shankar Jindal, Chief Engg. P.R.P.W./Health.
8.	Sh. K.S. Jakhar, SE (HQ)/ Panchayat Department.
9.	Sh. J. P. Singh(EE), HSPCB.
10.	N.K. Payal (EE), HSVP.
11.	Sh. Satish Rathore (EE), (PHED).
12.	Sh. Satish Goel (ULB Department).
13.	Sh. Ranbir Singh (ULB) .
14.	Dr. Nitin Garg, (Health).