

Minutes of 8th meeting of the Executing Committee held at 11 AM on 22/12/2018 at 'Conference Hall, Punjab State Council for Science and Technology, Mahatma Gandhi State Institute of Public Administration (MGSIPA) Complex, Sector-26, Chandigarh' under the Chairmanship of Hon'ble Justice Pritam Pal, Former Judge, Punjab & Haryana Court, for ensuring compliance to the Hon'ble NGT order dated 7/8/2018 in the matter of OA No. 139 of 2016 titled as Stench Grips Mansa's Sacred Ghaggar River (Suo Motu Case) And Yogender Kumar.

8th meeting of Executing Committee was held with the Departments of Punjab State Government, Haryana State Government, Chandigarh UT Administration and Himachal Pradesh State Government on 22.12.2018 under the Chairmanship of Hon'ble Justice Pritam Pal, Former Judge, Punjab & Haryana Court for ensuring compliance of the Hon'ble NGT order dated 7/8/2018 in the matter of OA No. 139 of 2016 titled Stench Grips Mansa's Sacred Ghaggar River (Suo Motu Case) And Yogender Kumar. The list of Officials, who attended the meeting is enclosed as **Annexure-I**.

At the outset, Sh. Pawan Garg, Member Secretary, Punjab Pollution Control Board (PPCB) welcomed the Chairman and Members of the Executing Committee as well as Officials. After a brief introduction of the officials, Hon'ble Chairman of the Executing Committee has apprised the officers regarding the discussions took place in the meeting held with the Chairperson of the Hon'ble NGT at Delhi on 12th December, 2018. He also highlighted the seriousness of the issue and urged all the officials to comply with the orders of Hon'ble National Green Tribunal (NGT), Principal Bench, New Delhi in letter and spirit, so that there should be visible improvement in the quality of River Ghaggar. The Chairman also informed that the law violators should be punished as per the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and also requested all the State departments for uploading of information regarding monthly action taken reports on the website of the concerned Departments of Environment and State Pollution Control Boards. Thereafter, he requested the officials to make power point presentations on the actions taken as detailed in the subsequent paras: -

A. Presentations by Departments of Punjab State Government: -

1) Punjab Pollution Control Board: -

Er. S. S. Matharu, Environmental Engineer and Nodal Officer, PPCB gave a power point presentation on the action taken w.r.to the compliance of decisions of earlier meetings of the Executing Committee and actions taken in compliance to the directions passed by the Hon'ble NGT on 7.8.2018, as detailed below:-

- (i) **Website:-** A link has been provided on Board's website i.e. www.ppcb.gov.in at home page under the sub head 'Executing Committee for River Ghaggar' of the head 'Focus Area' for uploading the activities relating to the actions taken by PPCB as well as Executing Committee.
- (ii) **Inspection of industries for verification of compliance to the discharge norms:-**PPCB has already identified 48 major water polluting industries (Dera Bassi 41 and Patiala 07), located in the catchment area of river Ghaggar. 28

Out of 48 industries located in the catchment area of River Ghaggar have been visited. 10 Units are lying closed either on their own or by the order passed by Hon'ble NGT. 02 units are being visited fortnightly as per the orders of Hon'ble NGT and remaining 8 units are being visited by PPCB officials.

- (iii) **Monitoring of water quality of River Ghaggar:-** PPCB officials have informed that monthly monitoring of water of river Ghaggar is being carried out at 14 no. of locations namely Mubarikpur, Bhankarpur, Chhatbir, U/s Jharmal, D/s Charmal, U/s Dhakanshu , D/s Dhakanshu, Rattanheri, U/s Sagar Para Drain, D/s Sagar Para Drain, Khanauri, Moonak, U/s Sardulgarh, D/s Sardulgarh. The analysis results of water quality of river Ghaggar for the months of October, 2017 and August to November 2018 reveals that the Ghggar river water quality w.r.to the BOD and DO is not complying with the water :quality criteria at all the monitoring points except at one location.
- (iv) **Ground water samples analysis results:-** The Board carries out ground water sampling only at four locations i.e., (i) piezometer installed near Ash Dyke of M/s Nabha Power Limited, Village Nelas, Rajpura; (ii) submersible pump installed in the premises of the temple at Village Rasauli, District Patiala; (iii) hand pump (80' deep) installed at the vacant plot of Shri Prem Singh, near Dashmesh Dental Clinic, Village Bhankharpur, Tehsil Dera Bassi, Distt. SAS Nagar; (iv) hand pump installed near Lala Wala Peer, Lalru, Tehsil Dera Bassi, Distt. SAS Nagar. Apart from the four samples, in compliance to the recommendations of the executing committee, PPCB also collected ground water samples from tubewell installed in the premises of Govt. School along Mansa- Sirsa Road, Sardulgarh and near the RO Plant installed along Mansa- Sirsa Road, Sardulgarh. Besides above, the ground water sampling has also been carried out inside/ outside the industrial premises of the industries, which are located in the catchment area of river Ghaggar, by the officers of the Board during the month of November and December, 2018. The analysis results are still awaited and same will be incorporated in the action plan.
- (v) **Installation of OCEMS by the industries:-** All the paper mills have been asked to follow the protocol framed by CPCB for installation of treatment system in the paper mills as per protocol of CPCB for the industries located in Ganga Basin so as to achieve fresh water consumption and wastewater discharge to the tune of 15 KL/ Tonne of paper produced and 10 KL/ Tonne of paper produced respectively.
- (vi) **District Level Special Task Forces:-** Meetings of District SAS Nagar, Patiala, Sangrur and Mansa have already been held and the Deptt. of Health and Family Welfare has been asked to organize health check up camps of the inhabitants in the catchment area of river Ghaggar. The activities carried out by the Department of Health and Family Welfare will be incorporated in the Action Plan.

- (vii) **Monitoring of STPs:** PPCB has carried out monitoring of STPs i.e., (i) STP of 17.3 MLD capacity at Zirakpur, Distt. SAS Nagar; (ii) STP of 45 MLD capacity at Mohali; (iii) STP of 4 MLD capacity at Banur; (iv) STP of 46 MLD capacity at village Shermajra, Patiala ; (v) STP of 13 MLD capacity at PUDA, Patiala; (vi) STP of 4 MLD capacity at Patran; (vi) STP of 10 MLD capacity at Samana on 8.12.2018 – STP was not in operation; (vii) STP of 3 MLD capacity at Khanauri; (viii) STP of 3 MLD capacity at Moonak on 9.12.2018 – STP was not in operation; (ix) STP of 4 MLD capacity at Lehragagga; (x) STP of 8 MLD capacity at Sunam; (xi) STP of 1.5 MLD capacity at Lalru; (xii) STP of 7 MLD capacity at Rajpura; (xiii) STP of 3 MLD capacity for Bhikhi town; (xiv) STP of 4 MLD capacity for Sardulgarh; (xv) STP of 25 MLD capacity for Mandi Gobindgarh. Shri Matharu also apprised the committee that the sludge samples were collected from 7 no. of STPs, which were sent to PBTI for analysis. The said analysis results are awaited. He further informed that as soon as the results are received, the same will be compared with the specifications for compost quality as given in the Schedule II of the Solid Waste Management Rules, 2016 and to check whether it is fit for use of manure or not.

Presentation by Punjab Water Supply and Sewerage Board:-

Er. Lata Chauhan, Executive Engineer, Punjab Water Supply and Sewerage Board presented the power point presentation on the proposed actions related to their department. She informed to the committee members that present tentative population of 39 towns which fall on the catchment area of river Ghaggar is 2364799 (Year 2018) & sewage generation is 283 MLD. In 39 towns, there are 19 STPs with capacity 228 MLD commissioned and in operation, 9 STPs (capacity 37 MLD) are under construction and 20 new STPs (with capacity 62 MLD) are proposed, 1 STP (3 MLD) is not tied up from any sources and 5 towns (18 MLD sewage generation) there is no sewerage system. Presently, 2 STPs (of capacity 56 MLD) are under the control of MC, Patiala, 1 STP (45.4 MLD capacity) is under the control of GMADA and 16 STPs (of capacity 21 MLD) are under the control of PWS & SB. Out of 16, STPs at Khanauri (3 MLD), Lehragagga(4 MLD), Moonak (3 MLD), Patran (4 MLD) & Rajpura (7 MLD) are under stabilization. The proposed time frame for STPs under progress is in the order of 6 months to one year. .She also informed that out of 16 STPs under PWSSB, treated water will be used for irrigation purpose by Department of Water & Soil Conservation. As regards to the installation of Electromagnetic, Flow Meters to all the tube wells which are used as water supply source, there are 39 towns in the catchment area of Ghaggar River, out of which 19 towns which are having approximately 99 installations where O&M of water supply is with PWSSB and cost of each electronic flow meter is approximately Rs. 55,000/-. Therefore approximate expenditure shall be Rs 54.45 Lacs. With regard to the provisions for providing holding tank of adequate capacity or standby arrangement in the design of STPs, for holding the untreated wastewater for at least two days in the event of maintenance of the STP, she informed that the CPHEEO Manual does not have provision for this purpose. As regards to the upgradation of the technology in the existing STPs, all the existing STPs which came to operation prior to 16.08.2016 yet

to be upgraded to achieve newly notified standards requires funds amounting to Rs. 53.45 Crore.

After deliberations and discussions with Shri R.K.Verma, Principal Secretary, Deptt of Science Technology & Environment, Punjab State Government, following decisions were taken by the Monitoring Committee, as follows:-

- (i) Punjab State Government to take action to smoothen the flow of the funds so that the operation of the STP should not be hampered by way of adopting suitable mechanism.
- (ii) District Level Special Task Forces are required to perform the tasks (conduct inspection of the industries on fortnightly basis and submit its report as per the proforma of PPCB to the State Level Special Task Force-SLSTF) in compliance to the Hon'ble NGT order dated 07.08.2018. SLSTF shall submit first quarter report to CPCB within a week.
- (iii) Department of Health & Family Welfare, Department of Local Govt., PSIEC, GMADA, Department of Rural Development & Panchayat and Deptt. of Irrigation (Drainage) have not yet nominated their Nodal Officer so far and the head of their department shall ensure that the nodal officer shall be nominated, immediately and intimation in this regard shall be given in writing to the PPCB through email id eenodal@yahoo.in, as well as Shri J.C.Babu, Member, Executing Committee i.e., jcb.cpcb@nic.in.
- (iv) PPCB will carry out inspections of all the remaining 8 industries falling in the catchment area of River Ghaggar, within next two days.
- (v) PWSSB / GMADA shall provide Online Continuous Monitoring System (OCMS) at the final outlet of all the STPS for getting real time data of treated wastewater and necessary measures be taken to ensure that no untreated wastewater is being discharged/ by passed.
- (vi) PPCB shall collect the ground water sample of Sardulgarh area on monthly basis and shall compare the results with the previous analysis results to ascertain the effect on the ground water quality of the area due to pollution in River Ghaggar.
- (vii) PPCB shall initiate action under the provisions of the Water Act, 1974 against all the defaulting STPs, which were not in operation.
- (viii) PWSSB shall ensure that the contract of the operator of the STP must be extended before the expiry of the previous contract and in case the contract is not executed with the existing Operator, the PWSSB will be responsible to operate the STP properly and effectively so as to ensure compliance of environmental standards. However, at any time and for any reason, operation of STPs should not be stopped.

- (ix) PPCB shall conduct meeting with all the operators of the STPs installed in the towns falling in the catchment area of river Ghaggar to sensitize the issue pertaining to the bye-passing of the untreated effluent from the STPs.
- (x) CGWA shall furnish the data regarding ground water quality in the catchment area of Rive Ghaggar, within 7 days to the nodal officer of CPCB.
- (xi) The Nodal officer of all the stakeholder departments shall submit the reply to the questionnaire supplied by the Hon'ble Chairman of the Committee in the meeting on monthly basis through email.

B. Presentations by Departments of Haryana State Government: -

The Chairman, Executing Committee enquired about the monthly ATR submitted by the District Level Special Task Forces (DLSTFs). Shri. JP Singh, EE, HSPCB informed the committee that the DLSTFs of Ambala, Panchkula, Kurukshetra and Fatehabad have sent their report in the month of November, 2018 only. The DLSTFs of Hisar, Sirsa and Jind have not sent any report so far. Chairman Executing Committee stated that some of the Govt. Departments have not designated Nodal Officers viz., HSIIDC, Forest, Health, Irrigation, Agriculture and Panchayats. Sh. J P Singh, EE, HSPCB also submitted that all the STPs/CETPs will provide online effluent Monitoring Devices by 31.3.2018 in Haryana. However, Nodal Officer, Haryana SPCB has not apprised about the aspects especially relating to the industrial inspections conducted so far as per recommendations of the Executing Committee, status of industrial effluent characteristics, observations made during the inspections of industries and the STPs in the catchment of river Ghaggar by the Haryana inspection teams, no. of industries complying and non-complying with the discharge norms, sludge characteristics and the existing disposal practices by the STPs as well as other waste management practices.

Member Secretary, Haryana State Pollution Control Board informed the Committee that the Haryana State has prepared action plans in consultation with all the departments which include to lay the sewerage network in all the towns of Haryana as well as diversion of sewage from unauthorized colonies of towns into existing sewers so that it could be treated in STPs. He also informed that the Irrigation department has done extensive survey in the month of November 2018 and all the discharge points have been identified where the sewage is released into drains joining river Ghaggar and the flow measurements were taken into account the capacity of STPs were fixed.

The Executing Committee reiterated that STFs and the officials of HSPCB have been mandated to make inspections and identify violators and required to be punished under the environmental provisions. None of the STFs in the Haryana state has done this task so far. The Chairman, EC has made it clear that Hon'ble NGT will make the Chief Secretary of the State responsible for failure to implement the Hon'ble directions. The Departments should also have requested to submit monthly action taken report in compliance to the Hon'ble NGT orders so as to apprise the Hon'ble NGT periodically by the executing committee. Member Secretary, HSPCB informed that views of all the concerned departments have already been taken and

the action plans prepared accordingly and same will be submitted within a week after taking approval from the Haryana State Government.

C) Presentation by the Departments of Chandigarh UT Administration

Presentation by Special Secretary Engineering, Chandigarh Administration:

The Special Secretary Engineering, Chandigarh Administration and Commissioner, Municipal Corporation, Chandigarh gave the presentation about the steps taken by the Chandigarh Administration to stop the discharge of sewage water into various Choes.

Special Secretary Engineering, in his presentation informed that due to increase in the population and unauthorized construction, the excess sewage overflows during peak hours. Chandigarh Smart City Limited has planned to install 2.0 MLD STP at the Kishangarh Outlet. The target date for completion is March 2022. However, as short term measure, Engineering Department has planned to install sewage pump and sump with the cost of Rs.19.94 lacs for lifting the excess sewage and disposing of the same in existing sewer line near Golf Club to stop the flow of raw sewage in the choe. The target date for completion is 31.03.2019. He also informed that the unauthorized colony viz., Shastri nagar is located near the Sukhna Choe i.e. termed as extended abadi of village kishangarh. The sewage of colony has been harvested and put in the sump for further pumping to the sewer line to avoid flow of sewage in the Sukhna choe. Similarly, the unauthorized colonies adjacent to village Daria are located near Sukhna Choe. The sewage of the colonies near Daria has been harvested and sump has been created and machinery has been installed to lift the sewage and put in the sewer line of the village. He also stated that under the jurisdiction of Engg Department, there are two STPs i.e., 7.5 MLD Sewage Treatment Plant, Dhanas and 5.67 MLD Sewage Treatment Plant, Raipur Khurd 7.5 MLD Sewage Treatment Plant, Dhanas was installed in 2013 on SBR technology having designed for the parameters of treating sewage for BOD level 10 mg/l. whereas 5.67 MLD S.T.Plant Raipur Khurd was installed about 13 years back with designated parameters of BOD level 30 mg/l. This S.T.P is old and treating the sewage within (+/-) 20% variation in parameters of designated capacity. However, the new S.T. Plant of 12 MLD capacity is to be installed by the Chandigarh Smart City Ltd. The DPR of the same has been prepared and is under process of approval of the competent authority. The Chandigarh Smart City Ltd. has fixed target for construction of new S.T.P by March 2022.

Presentation by Municipal Commissioner, Chandigarh:-Municipal Commissioner, Chandigarh in his presentation informed that water supply in Chandigarh was coming from Bhakra main line through Kajouli and Sector 39 Water Works. Around 67 MGD water is being supplied from this and 22 MGD water is being supplied through tube wells. Total around 89 MGD is being supplied daily to Chandigarh and as per the information provided by Municipal Corporation, Chandigarh total waste water generation is around 54 MGD and treatment capacity is 48 MGD. At present 05 Nos. of Sewage Treatment Plants are operational in Chandigarh. Gap in

treatment capacity is 6.0 MGD. Three STPs of 0.4 MGD capacity at Village Kishan Garh; 5 MGD at Maloya and 1.25 MGD at Raipur Kallan. Thereafter, members were also apprised of status of waste water discharge points at Sukhna Choe and N-Choe and action taken along with Action plan to stop the same. He also assured the members that after the commissioning of the new STPs and upgradation of existing STPs by Chandigarh SMART City Pvt. Ltd., there will be no shortfall in the treatment capacity available at the STPs and all the sewer generated will be treated with effluent BOD level of less than 5 mg/ltr. He also informed the committee that the MC, Chandigarh recover 30 % funds from the public in the form of the tax based on the water consumption which is assessed as per the water meter system already implemented in Chandigarh. He also informed that the financial recovery details will be shared to the committee by the Municipal Commissioner, within a week by email at jcb.cpcb@nic.in.

Presentation by Member Secretary, Chandigarh PCC:-

Member Secretary, Chandigarh Pollution Control Committee (CPCC) informed that the District Level Special Task Forces has already conducted three meetings and submitted the report to State Level Special Task Force. He also presented on the Bio-Medical Waste Management, Municipal Solid Waste Management, Hazardous Waste Management, Plastic Waste Management and E-Waste Management is being carried out as per the prescribed rules. As regards to the industrial discharge, MS, CPCC informed that CPCC does not permit any industry to run without Effluent Treatment Plant (ETP). During inspection it was found that one service station situated in Industrial Area was found bypassing the waste water discharge directly into the sewer line without imparting any treatment. After which unit was sealed and now CPCC is going to prosecute the unit. MS, CPCC also informed the committee that the action plans covering all aspects has already been finalized and same will be submitted within this week after taking approval from the Principal Secretary, Chandigarh UT Administration.

D) Presentation by the Departments of Himachal Pradesh State

At the outset, the Chairman of the Committee welcomed all the officials present in the meeting and congratulated the officials of Himachal Pradesh for successfully organizing the Clean Sukhna campaign on 19.12.2018 and prompted other States to organize such cleanliness drives in their respective States. This was followed by detailed presentations by the Nodal Officer of the HPPCB, Er. SK Shandil, Environmental Engineer on the status of progress made in Kala Amb and Parwanoo areas. Detailed presentations were also given by the Superintending Engineer, Irrigation & Public Health Department Solan and Superintending Engineer, HIMUDA. Director, Rural Development, GoHP gave a detailed status of the works in progress and the works proposed for the control of water pollution from panchayat areas especially in the Parwanoo and Kala Amb. Presentation on health statistics was followed by the CMO Solan. After detailed deliberations and discussions during the meeting the following decisions were taken –

- (i) It was specifically directed that water flow measurement and water quality monitoring shall be carried out by the Irrigation & Public Health Department in

Himachal Pradesh at the exit points of Himachal Pradesh as well as all the drains contributing to the river Ghaggar pollution.

- (ii) The HIMUDA shall include in action plan for waste water management from septic tanks by adopting constructed wetland system before discharge of such wastewater effluent from septic tanks and for completion of the afore-said task time line suggested is within three months.
- (iii) Health Camp shall be organized by the respective CMOs of Solan & Sirmour Districts in Kala Amb & Parwanoo areas periodically.
- (iv) The Rural Development Department, GoHP will work in coordination with the HPSPSB to control & check water pollution from adjoining panchayat areas in Kala Amb & Parwanoo.

After deliberations with the State Departments, the Executing Committee made it clear to all the concerned departments of the States namely Punjab, Haryana, Himachal Pradesh States and Chandigarh UT Administration that the action taken report on the recommendations of the Executing Committee meetings and the Action Plans with time lines and financial estimates for each action plan keeping in view of control of River Ghaggar pollution be submitted latest by 31.12.2018 to the Executing Committee and beyond that the action plans will not be accepted. The Executing Committee also suggested that the Environment Department and respective State Pollution Control Boards shall co-ordinate with the all the concerned departments and ensured that the action plans are submitted by 31.12.2018 after taking approvals from the Principal Secretary of the respective State/UT in compliance to the Hon'ble NGT order dated 20.09.2018 in the matter of OA No. 673/2018.

The Meeting ended with vote of thanks to the Chair.

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LIST OF PARTICIPANTS

- 1) Justice Pritam Pal, Chairman, Executing Committee
- 2) Sh. J. Chandra Babu, Scientist 'D', CPCB and Member, Executive Committee
- 3) Dr. Vimal K. Hatwal, Jt. Director, MoEF&CC, and Member, Executive Committee
- 4) Sh. R.K. Verma, IAS, Principal Secretary, Deptt. of Science, Technology & Environment.
- 5) Prof. S.S. Marwaha, Chairman, Punjab Pollution Control Board, Patiala.
- 6) Sh. Shaukat Ahmad, Additional Deputy Commissioner (G), Patiala.
- 7) Dr. Poonam Saigal, Deputy Director, Deptt. of Health & Family Welfare, Punjab.
- 8) Sh. Davinder Kumar, SE, Panchayati Raj, Deptt. of Rural Development & Panchayat, Chandigarh.
- 9) Sh. Sukminer Singh, SE, Deptt. of Water Supply & Sanitation, Patiala.
- 10) Sh. T.L. Sharma, SE, MC, Panchkula.
- 11) Sh. R.S. Bains, CE, PSIEC, Chandigarh
- 12) Sh. Vinit Kumar, AMD, PSIEC, Chandigarh.
- 13) Sh. S. Narayanan, IFS, Member Secretary, Haryana State Pollution Control Board, Panchkula.
- 14) Sh. Bhagwan Dass, Divisional Engineer, GMADA, Mohali.
- 15) Sh. Pawan Garg, Member Secretary, Punjab Pollution Control Board, Patiala
- 16) Sh. V.K. Garg, Chief Engineer, Punjab Water Supply and Sewerage Board
- 17) Sh. Tejinder Kumar, Sr. Envi.Engineer, PPCB, Patiala
- 18) Dr. Asruddin, Director, Health Services.
- 19) Sh. Raman Sandhu, Director, Deptt. of Rural Development & Panchayat, Haryana.
- 20) Sh. Anoop Nagar, Regional Director, Central Ground Water Board, Chandigarh.
- 21) Sh. Davinder Singh, SE, Patiala Drainage Circle, Water Resources
- 22) Sh. S.S. Matharu, Envi. Engineer, PPCB, RO, Patiala
- 23) Sh. M.L. Angurala, Central Ground Water
- 24) Sh. Rajdeep Singh Brar, Additional Deputy Commissioner (G), Sangrur.
- 25) Sh. Satish Rathi, Executive Engineer, Deptt. of Public Health, Haryana.
- 26) Sh. T.P. Singh, SE, PHED, Haryana.
- 27) Sh. N.K. Payal, XEN, HSVP, Haryana
- 28) Sh. P.K. Garg, Additional GM, HSIDC, Haryana
- 29) Smt. Lata Chauhan, XEN, PWSSB.
- 30) Sh. R.S. Mittal, SE, Kaithal.
- 31) Sh. S.K. Sharma, XEN, PSIEC, Kaithal.
- 32) Sh. Tejinder Kumar, SEE, PPCB.
- 33) Sh. J.P. Singh, EE, HSPCB, Haryana.
- 34) Sh. G.S. Dhillon, Map Officer, Deptt. of Soil & Water Conservation, Chandigarh.
- 35) Sh. Sidharth Bhargav, SDO, HSPCB, Haryana

- 37) R. S. Mittal S.E. Irrigation & Water resources Department,
Kaithal Haryana
- 38) S. K. Sharma, Xen, PSIRC----- PSIRC

39	Tejinder Kumar SEE	PPCB, HO, PTA
40	J. P. Singh, SEE	HSPCB HQ
41	G. S. Dhillon Mep Officer	Deptt. of soil of water conservation Punjab
42	Sidharth Bhargava, AEE	HSPCB
43	R. O. Panchkula Region	HSPCB
44	R. O. Jind Region at Bhiwani	HSPCB
45	Atul Parmar, R. O. Parwanoo	HPPCB
46	Lalit Thakur, AEE, Kala Amb-----	HPPCB
467	R. V. Singh, Consultant	Consultant PVT----
48	Sh. Sudhir Sharma, Executive Officer	Municipal Council, Parwanoo (H.P.)
49	Sh. Ramesh Bhel ---- EE , Parwanoo	HIMUDA
50	Sh. Rajesh Thakur, AE	HIMUDA
51	Dr. Sharawam Kumar, SEE	HPSPCB Paonta Sahib
52	Sanjeev Kaul, SE	HP, Irrigation & PH Department
53	Er. Anjoni Kapoor, SE ---	HIMUDA, HP
54	Sh. M.L. Anguvala, Scientist 'D'	Central Ground Water Board, NWR Chandigarh.
55	Sh. Anoop Nagar, Regional Director	Central Ground Water Board, NWR Chandigarh.
56	Sh. Rajinder Singh, , SE (PH)	Engineer Deptt. (U.T.) Chandigarh
57	Sh. Mahesh, CE -----	Engineer Deptt. (U.T.) Chandigarh
58	DSP Harjit Kaur	Chandigarh Police
59	Sh. S. K. Shandil, EE	HP State Pollution Contral Board
60	Sh. Rakesh Kanwar, Director	Rural Development Himachal Pradesh
61	Dr. Vinod Kumar Sangal, DPO---	Himachal Pradesh
62	Dr. R. K. Daroch, C.M.D.	Health & Family Welfare Department (HP)
63	Sh. Sachin Rana, Addl. Deputy Commissioner	UT Chandigarh, Office-----
64	Sh. Manoj Bansal	Chief Engineer, Municipal Corporation Chandigarh
65	Sh. T. C. Nautiyal	MS CPCC Chandigarh
66	Sh. K.K. Yadav, IAS	Commissioner MC, Chandigarh