

Subject: Draft minutes of the meeting held on 29-04-2016 under the Chairmanship of Secretary to Govt. of Punjab, Deptt. of Co-ordination, Chandigarh regarding implementation of Action Plan for abatement of pollution in critically polluted area of Ludhiana and Mandi Gobindgarh.

The list of the participants is as **Annexure-A**.

It was appraised by the Member Secretary, Punjab Pollution Control Board that CPCB & MoEF got conducted study in the various industrial town the country including its State of Punjab in year 2009. As per the values of Comprehensive Environmental Pollution Index (CEPI) in Ludhiana & Mandi Gobindgarh towns were observed as 81.66 and 75.08, respectively. Based on these values, these towns were declared as critically polluted areas by MoEF vide office Memorandum dated 13.1.2010. Action Plans for abatement of pollution in these critically polluted areas were submitted to CPCB / MoEF in the month of June, 2010. High Level Steering Committee under the Chairmanship of Hon'ble Chief Secretary, Punjab for monitoring the progress on the Action Plan was constituted on 29/9/2010. Distt. Level Committees were constituted under the chairmanship of concerned Deputy Commissioners of Ludhiana & Mandi Gobindgarh. Further, based on CPCB communication dated 21.10.2010 regarding submission of revised Action Plan by PPCB, moratorium on EC requiring projects was lifted in Mandi Gobindgarh. Based on CPCB communication dated 15.02.2011 regarding submission of revised Action Plan by PPCB, moratorium on EC requiring projects was lifted in Ludhiana. CPCB conducted monitoring of critically polluted area of Ludhiana and Mandi Gobindgarh during February-April, 2013 and re-assessed the CEPI score and the same was calculated as 75.72 and 70.52 for Ludhiana and Mandi Gobindgarh, respectively. Based on the report of CPCB indicating no improvement in Environment Quality, Moratorium in Ludhiana was re-imposed with immediate effect vide office memorandum dated 17/09/2013, which was kept in abeyance on 17/09/2016, in view of the need to review and reassess the entire CEPI study subject to the condition that all EC requiring projects be considered only by Ministry of Environment & Forest. Lastly, the Meeting at the level of Secretary, Science, Technology and Environment was held on 20/1/2015. The progress on the various activities being carried out by the various departments of the State of Punjab is submitted to the CPCB from time to time.

Now, the present meeting has been concerned to review the progress w.r.t. control of pollution in Ludhiana and Mandi Gobindgarh. The progress of various departments was discussed as mentioned in the ensuing paras:

LUDHIANA AREA

PUNJAB WATER SUPPLY & SEWERAGE BOARD

| Sr. No | Item | | Progress as on 31-03-2016 | Decision Taken during meeting |
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| | Main Areas | Target date | | |
| 1. | Upgradation of existing sewage treatment plants. | 30/9/2011 | <p>Balance Target to be achieved:-</p> <ul style="list-style-type: none"> • Present discharge of domestic sewage is 636 MLD, STPs of capacity 466 MLD are in operation. STPs of 170 MLD need to be installed for 100% treatment of domestic effluent. • Existing 3 no. STPs based on UASB Technology are located at Jamalpur of 48 MLD, Bhattian of 111 MLD and Balloke of 152 MLD are required to be upgraded to SBR Technology. • M.C. Ldh has neither submitted any Action Plan for restricting the supply of water to the consumer nor has given any detail for imposing penalty for consuming excess water. • 2 no. new STPs proposed based on SBR (1 No. 70 MLD STP at Jamalpur & 1 no. 100 MLD STP at Bhattian) have not been installed yet. • PWSSB informed that M/s Engineers India Limited (EIL) has been engaged for abatement of pollution in Budha Nallah and final DPR is to be submitted by 15.5.2016. • PWSSB also informed that the work of O&M of all the STPs has been taken over by M.C. Ludhiana from 18.06.2015. | <p>It was decided as under:-</p> <ul style="list-style-type: none"> • STPs shall be designed as per the actual water supply given to the population of the city. • Penalty should be imposed to the residents who have installed their own submersible tubewells without any permission. • 3 no. existing STPs shall be upgraded immediately and ensure that the treated water from all the 3 STPs meet with the standards prescribed by the Punjab Pollution Control Board. • PWSSB shall get the EIL report finalized immediately and get it implemented. |
| 2. | Laying of sewer lines in remaining areas and connecting with the sewage treatment facilities. | 30/6/2012 | <p>Year Wise target achieved:-</p> <ul style="list-style-type: none"> • 48.965 KM Main sewer laid against 49.970 Km and 456.204 KM lateral sewer laid against 467.95 KM. The funds upto 12/2014 are Rs. 248.14 Cr. & expenditure is Rs.245.69 Cr. The total scope of sewer cannot be completed with the available funds. • A sum of Rs. 9.35 Cr. has been received from PIDB. Ministry of Urban Development, Govt. of India has sanctioned Rs. 30.17 Cr. during the month of March, 2016 and this amount is yet to be received in PWSSB. • PWSSB has allotted 2 no. tenders for sewer costing Rs. 400.12 Lac and Rs. 390.62 Lac and same shall be opened on 11.5.2016. 50.171 Km main sewer laid against 72.78 Km and 483.76 Km lateral sewer laid against 600.00 Km. The funds upto 03/2016 are Rs. 259.74 Cr. and Expdt. is Rs. 258.96 Cr. | <ul style="list-style-type: none"> • PWSSB shall take up the matter with the Secretary, Deptt. of Finance regarding disbursement of sanctioned funds amounting to Rs. 30.17 Crores and will ensure 100% connectivity of the area with the STP. |

DEPTT. OF INDUSTRIES AND COMMERCE/ PUNJAB SMALL INDUSTRIES & EXPORT CORPORATION

| Sr. No | Item | | Year Wise Progress/Balance Target/ Progress as on 31-03-2016 | Decision Taken during meeting |
|--------|--|--|--|--|
| | Main Areas | Target date | | |
| 1. | Installation and Commissioning of 3 CETPs for dyeing clusters. (Further, there is proposal to install 2 CTP of capacity of 117 MLD and 15 MLD) | ➤ Construction and commission of CETP at Bahadurke Road by 31/12/2011. | <ul style="list-style-type: none"> The detailed status of installation of CETPs and sanction of projects is covered at point no. 1 under the Head of Punjab Pollution Control Board PSIEC has reserved 15 acres land to allot the plots for the existing scattered dyeing units. Further, PPCB has supplied the list of the scattered dyeing units to the PSIEC vide D.O. no. 6972 dated 08-12-2014. | <ul style="list-style-type: none"> During meeting, the representatives of PSIEC informed that the scattered dyeing units are not applying for industrial plots at Tajpur Road. Now, the last date to apply for allotment of industrial plots has been further extended upto 16.05.2015. The Chairperson decided that the matter be dealt separately by holding a meeting between the officers of PPCB, PSIEC and DIC, Ludhiana. |
| 2. | Scout for improved technologies. | Continuous | <ul style="list-style-type: none"> GM, DIC informed that there are 2 schemes named as Lean Manufacturing Scheme and Design Clinic Scheme by Development Commissioner MSME, (Govt. of India) for Scout for improved technologies. Many units of Ludhiana have adopted / applied to improve technology through above scheme. Project "Scaling up Sustainable Development of MSME Cluster in India" which is funded by European Union. They had work in the 85 MSME of Ludhiana, Phagwara & Moga for the reduction of the coke by installing new technology & better practice in Cupola Furnish with the motive of Saving energy in the form of coke were initiated. A new Project name "I-STAD" with collaboration of Department of Science & Technology. which is focused on the Paver Block Manufacturing by using Foundry Waste i.e. Slag. 25 units under this project are to be benefited in 5 years. | <ul style="list-style-type: none"> It was decided that the Deptt. of Industries shall take further steps in co-ordination with Punjab State Council for Science & Technology and Punjab Pollution Control Board to improve the technologies in electroplating and dyeing industries, so as to reduce the pollution load. |
| 3. | Awareness creation to increase green cover in | Continuous | <ul style="list-style-type: none"> Plantation drive was carried out in Ludhiana at Integrated Textile Park, Doraha, R&D Centre Focal Point, Ludhiana and NIFD, Focal Point, | <ul style="list-style-type: none"> The Chairperson decided that the Deptt. of Forest will give 5000 plants to Industrial |

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| | industrial areas. | | <p>Ludhiana. 90% survival report has been seen in the Ludhiana Integrated Textile Park, Doraha.</p> <ul style="list-style-type: none"> • Deptt. of Industries & Commerce Govt. of Punjab organized a plantation drive at CICU Focal Point Ludhiana on 2 July, 2015 and planted 5100 Plants. | <p>Association i.e. CICU in the month of June, 2016.</p> <ul style="list-style-type: none"> • The Deptt. of Forest shall ensure that there should be no gap between demand and supply for plantation during the year 2016-17. |
| 4. | Shifting of industries, which are located in the non-designed areas, to the designated areas | As per zoning regulation of Master Plan, Ludhiana | <ul style="list-style-type: none"> • GM, DIC informed that as per PSPCL data, there are 28086 industrial connections in various categories. As per PPCB and M.C. Ldh, the polluting units under red category operating in non-designated area are 333. • The site near village Dhanansu (approx. 250 acre) have been shortlisted for development of new industrial Focal Point. • As per PSIEC for development of future Focal Point, Panchyati Land approx 350 acre at village Dhanansu has been identified and the process of acquiring the land has been initiated. | <ul style="list-style-type: none"> • The Chairperson decided that the Deptt. of Industries will pursue the matter regarding reservation of 50 acre land for industries operating in non-designated areas of Ludhiana city for shifting it to approved industrial Focal Point. |
| 5. | Provision of environment infrastructure in the various industrial estates and Focal Points in Ludhiana city including wastewater treatment facilities, improved water supply, road infrastructure, parking facilities and green cover within the industrial areas alongwith development of buffer zone along the residential areas. | Continuous | <ul style="list-style-type: none"> • For the areas of Phase IV & IV-A, Focal Point, DPR amounting to Rs. 9.99 Cr has been sent to MSME development Institute, Ludhiana for the sanction of grant under MSE-CDP Scheme. • DIC has identified and recommended the application of 3 Special Purpose Vehicles (SPVs) to be notified under common infrastructure Act-2012. | <ul style="list-style-type: none"> • The Chairperson directed to continuously carry out the progress during the year 2016-17. |

DEPARTMENT OF LOCAL BODIES/ MUNICIPAL CORPORATION, LUDHIANA

| Sr. No. | Item | | Year Wise Progress/ Balance Target/Progress as on 31-03-2016 | Decision Taken during meeting |
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| | Main Areas | Target date | | |
| 1. | Control of water pollution from dairy complexes located at Tajpur Road and Humbran Road and shifting of individual dairies located in the city limits to a suitable site outside MC limits and provide with adequate infrastructure including effluent treatment plant and disposal of treated effluent. | <ul style="list-style-type: none"> ➤ Installation of effluent treatment plant and providing proper arrangement for the treated wastewater for the two dairy complexes by 31/12/2010. ➤ Identification of site for shifting of scattered dairies by 31/12/2010. ➤ Preparation of DPR for new dairy complex by 31/12/2010. ➤ Floating of RFP for new dairy complex by 31/3/2011. ➤ Development of dairy complex alongwith environmental infrastructure by 30/9/2011. ➤ Shifting of scattered dairies by 31/12/2011. | <p>(A)Status of Scattered Dairies:-</p> <ul style="list-style-type: none"> • 95 acres Panchyati land of village KandyanaKhurd was selected by the M.C. Ldh for construction of Dairy Complex for shifting Scattered Dairies. The Panchyat of the village refused to give the Panchyati land. The M.C. Ldh vide letter dated 17-07-2015 and 02-09-2015 requested to the DDPO, Ldh to contact other panchyat of nearby villages. But no response from DDPO, Ldh is received. <p>(B)Bio Gas Plant for existing Dairy Complexes:-</p> <ul style="list-style-type: none"> • Punjab Energy Development Agency (PEDA) has already installed bio gas based power plant at Tajpur Road of capacity 1 MW to consume 170 MTD cattle dung at hambranand has upgraded the plant by adding Bio CNG Plant of 300m3/day capacity. • 2.5 acre of land has been allocated to PEDA to install bio gas power plant. PEDA has called the tenders to install the Bio Gas based power plant, which is yet to be finalized. <p>(C)ETP for existing Dairy Complexes:-</p> <ul style="list-style-type: none"> • In the draft DPR submitted by EIL, ETP of 3.6 MLD capacity at Tajpur Road Dairy Complex and ETP of 6 MLD capacity at Haibowal Dairy Complex has been proposed. But, the DPR yet not finalized. | <p>The Chairman decided as under:</p> <ul style="list-style-type: none"> • The Deputy Commissioner, Ludhiana along with Commissioner, M.C. Ldh shall take meeting with the Panchayats to acquire land for shifting of scattered dairies within 15 days. • PEDA shall make the tenders more attractive to install the bio-gas plant within a period of one month. • MC, Ludhiana shall issue noticesto the Dairy owners of Dairy Complex and Scattered dairies to make them aware regarding use of cow-dung as a resource and make it compulsory to supply cow dung for bio-gas plant at Hambran. • PEDA and Municipal Corporation, Ludhiana shall ensure that bio-gas power plant for utilization of cow dung must be installed within one year. • Municipal Corporation, Ludhiana shall ensure that the total cow dung generated in the dairy complex Hambran is utilized in the existing bio-gas power plant. |
| 2. | Development of Engineered Municipal Solid Waste dump site and compliance of provisions of | <ul style="list-style-type: none"> ➤ RFP finalization for municipal solid waste handling and management by 31/7/2010. ➤ Door to door collection | <p>1) Due to failure of A2Z Waste Management Company regarding door to door collection as well as development of Engineered MSW Project, termination notice served to the company and a fine has also been imposed. A2Z Company filed CWP and C.M. and Hon'ble High Court has granted 'Status quo' on 22-01-2016 and the case has been adjourned to 29-08-2016.</p> | <p>The Chairperson decided as under:-</p> <ul style="list-style-type: none"> • 100% collectionof Municipal Solid Waste should be ensured by M.C. Ludhiana. • MC, Ludhiana shall explore the possibility of installation of new technology to generate |

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| | <p>the Municipal Solid Waste (Management & Handling) Rules, 2000.</p> | <p>and commission of facility by 31/3/2011.</p> | <ul style="list-style-type: none"> • M.C. Ldh had floated new tender for the transportation of Waste from Secondary Collection Points of the City to the Dump Site. Though two bidders participated in this Process but both failed to qualify in the technical bid. Due to this Status quo A2Z Company is still working and handling the MSW Project as well as Door to Door Collection of Ludhiana City. 2) The PPCB has issued notice and given hearing to the M.C. Ludhiana on 04.08.2015, but the M.C. failed to comply with the MSW Rules. As such, fresh hearing was given to the M.C. Ldh before Chairman of the Board on 21.4.2016, wherein it was decided as under: <ul style="list-style-type: none"> i) RDF plant may be commissioned by the 1st week of May, 2016. ii) Provide proper green belt in 3 rows having 15 meter width around the boundary of the plant site by 15-05-2016.. iii) Complete the work of fencing around the plant site within 3 months. iv) The ULB will comply with the 10 points of the Common Action Plan, immediately. v) The PPCB will visit the dump site after 15-5-2016 and accordingly the M.C. will re-appear for hearing. | <p>power either available in India or in any other country.</p> <ul style="list-style-type: none"> • The RDF plant at Jamalpur dump site shall be commissioned by the end of May, 2016. • The development of engineered Municipal Solid Waste dump site shall be finalized by the M.C. Ludhiana, immediately. |
| <p>3.</p> | <p>To prepare and implement time target remediation Plan for the dump sites located at Vill. Jamalpur and Vill. Jainpur, where the contamination soil and ground water has been found</p> | <ul style="list-style-type: none"> ➤ Preparation and finalization of remediation plan by 30/09/2010. ➤ Implementation of remediation plan by 30/09/2011. ➤ Regular monitoring of ground water in the vicinity of dump sites. | <ul style="list-style-type: none"> • M.C. Ldh informed that Remediation Plan shall be submitted after the decision of Hon'ble Punjab and Haryana High Court in CWP no. 13037 of 2015 and CWP no. 17647 of 2015 filed by A2Z Company. • Ground water sampling has been collected on 18.08.2015 near the dump area and the results are as under:- <ul style="list-style-type: none"> ✓ pH (6.8), TDS (792 mg/l), T.H (318 mg/l), Na (72 mg/l), COD (5.4 mg/l), BOD (NIL), Fe (1.06 mg/l), Zn (4.41 mg/l), Mn (1.08 mg/l) T.Cr (NIL), Cu (NIL), Cd (NIL), Ni (NIL), Pb (NIL), As (NIL). Pesticides i.e. Alpha BHC, Beta BHC ,Gama BHC, DDT,PP DDT, Alpha Endosulphan, Beta Endosulphan, Dieldrin, Carboryl (Carbamete), 2-4D, Aldrin, Anilophos, Chloropyriphos were ND. No toxic metal has been found in the sampling. | <p>The Chairperson decided that the time to time orders of Hon'ble National Green Tribunal in the matter be implemented.</p> |

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| 4. | Improvement of road infrastructure for better and smooth traffic movement. | Continuous | <p>Municipal Corporation, Ludhiana informed as under:-</p> <ul style="list-style-type: none"> ▪ Construction of road along Budha Nallah. (1.67Km), Rs.13.20 Crore -- Completed. ▪ Construction of slip roads (near Veer Palace, VardhmanChowk& Jamalpur on Ludhiana- Chandigarh road) -- Completed. ▪ Widening of existing Gill road by providing interlocking tiles. (1.96 Cr.) -- 60% work Completed. ▪ Remodeling of Ganda Nallah -- 70% Work completed. ▪ Construction of Flyover at PartapChowk on link road -- Completed ▪ Construction of additional Road -- Completed ▪ Construction of 2 Pedestrian Under Passes on Ludhiana - Ferozepur road-- Completed. ▪ Construction of Pakhowal road ROB (near Convent School Railway Crossing) along with Flyover at intersection of Hero Bakery. (Proposed for 2012-13 due to Dana Mandi ROB and Sidhwan canal road widening) -- Study being done by M/s. RITES. <ul style="list-style-type: none"> ➤ This work will be started after completion of Road along Sidhwan Canal as whole traffic has been diverted on this Road. ▪ Construction of Under Pass at Bharat Nagar Chowk -- Proposal has been referred to NHAI. <p>• Construction of 5 Ultra-Modern Foot Over Bridge :</p> <ol style="list-style-type: none"> i. Red Cross Bhavan on Mall road. ii. Outside Bus Stand on Link road. iii. Bharat Nagar chowk (Ludhiana - Ferozepur road) iv. PAU Gate No. 2 (Ludhiana - Ferozepur road) v. Ansal Plaza (Ludhiana - Ferozepur road) <p>No proposal –</p> <ul style="list-style-type: none"> ▪ Improvement of entry points at SherpurChowk--Work completed. ▪ 8 - lanning Ludhiana – (Ferozepur road - Sidhwan Canal to Octroi limit) -- Completed ▪ Construction of Dana Mandi ROB : Work to be taken up after the completion of Southern Bye Pass. ▪ Construction of grade separator at Jamalpur on Ludhiana - Chandigarh road. --Transferred to NHAI by State Government <p>Construction of ROB in place of existing Lakkar Bridge on Ludhiana -</p> | The Chairperson was satisfied with the progress and directed that continuous effort should be made during the year 2016-17. |
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| | | | Amritsar Rail Section : Completed | |
| 5 | Upgrading traffic lights for smooth traffic movement | <ul style="list-style-type: none"> ➤ Identification of congested traffic cross-sections by 30/9/2010. ➤ Upgradation and implementation of plan by 31/12/2010 | <p>The annual maintenance contract of existing traffic lights is already outsourced and being repaired properly.</p> <p>New Traffic lights at Lodhi Club intersection and Rajguru Nagar intersection on Ferozepur road has been approved. It is expected to complete this work upto 30-06-2016.</p> <p>The tender for Up-gradation of 28 existing traffic signals has been allotted to DIMTS, New Delhi. The work is expected to be completed upto 30-09-2016</p> | The Chairperson was satisfied with the progress and directed that continuous effort should be made during the year 2016-17. |
| 6. | Rainwater harvesting | Continuous | <p>MC Ludhiana has adopted amended Rainwater harvesting with security charges vide Resolution No. 1069 dated 18-01-2011.</p> <ul style="list-style-type: none"> ▪ Rs. 25,000 from all commercial, Industrial and Institutional buildings of area less than 500 Sq yards. ▪ Rs.50,000 from all commercial, industrial and institutional buildings of for area more than 500 Sq yards. ▪ Municipal Corporation conducted survey of Building & it was found that out of these 170 buildings, 26 have installed Rain Harvesting System. | <p>The Chairperson decided as under:-</p> <ul style="list-style-type: none"> • M.C. Ludhiana shall impose penalties on more defaulters to ensure that all the remaining institutes also install rain water harvesting system. • M.C. Ludhiana shall get the design of rain water harvesting system designed from institute of good repute and shall give wide publicity for the installation of the same. |
| 7. | Sanitation Improvement in slum areas | Continuous | In Slum Areas, sweeping is done twice a day by Municipal Corporation Ludhiana and special cleanliness drives are conducted on weekly basis. To prevent any outbreak, fogging is done on regular basis in these areas by Municipal Corporation Ludhiana. | The Chairperson decided that the continuous effort should be made during the year 2016-17. |
| 8. | Green belt/ buffer Zone in industrial areas from residential zones. | <ul style="list-style-type: none"> ➤ First phase of plantation by 31/8/2010. ➤ Second phase of plantation by 28/2/2011. ➤ Plantation shall be done regularly. | <ul style="list-style-type: none"> • Municipal Corporation, Ludhiana informed that total No. of 42614 sapling have been planted till 31-03-2016 in the city as per details given below: Zone-A 3430 No. Zone-B 9025 No. Zone-C 8395 No. Zone-D 21764 No. Plantation with help of park management committees in all zones 5000 nos. Total 42,614 No. | The Chairperson shall be decided to make plants available during the year 2016-17 for plantation purposes. |

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| 9 | Strengthening of BudhaNallah | | The Strengthening of Budha Nallah is 100% completed. | The Chairperson decided that operation and maintenance of strengthening of Budha Nallah must be carried out on regularly basis. |
| 10 | Laying of sewer lines/ plugging of direct discharge of sewage into BudhaNallah | | <ul style="list-style-type: none"> • Municipal Corporation, Ludhiana submitted that out of 17 outfalls discharging untreated Sullage water in Budha Nallah, 4 have been plugged/closed. • EIL is entrusted for closing of remaining outlets by providing intercepting sewer. | The Chairperson was not satisfied with the progress. He directed M.C. Ludhiana to get the DPR prepared by EIL finalized immediately and ensure that outlets of sewer falling directly into Budha Nallah are plugged. |
| 11 | Awareness creation to increase green cover in industrial areas. | Continuous | <ul style="list-style-type: none"> • Meetings have been conducted with various industrial associations to create awareness for increasing the green cover in Industrial area. • 6 Parks/Green Belt handed over to Industrial houses for maintenance in Focal Point area of Ludhiana | The Chairperson decided that green cover in industrial area may be increase with the help of Industrial Associations and Forest Department. |
| 12 | Provision of environment infrastructure in the various industrial estates/Focal Points in Ludhiana city including wastewater treatment facilities, improved water supply, road infrastructure, parking facilities and green cover within the industrial areas alongwith | Continuous | <ul style="list-style-type: none"> • M.C. Ludhiana informed as under: <ul style="list-style-type: none"> ✓ As per report given by PWSSB, in Focal Point Phase-IV, IV-A, the storm sewer is to be laid by this department with the cost of Rs. 208 Lac, out of which, Rs.100.00 Lac has been received from MC Ludhiana and work is in progress. ✓ Upto date expenditure is Rs. 105.00 lac. Balance funds are required from MC, Ludhiana. | The Chairperson decided to provide green cover and buffer zone along the Central Jail and Tajpur Road. |

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| | development of buffer zone along the residential areas. | | | |
| 13 | City Bus Service in Ludhiana city. | | Municipal Corporation, Ludhiana informed that, out of 105 buses, 83 buses have been made operational and balance 22 buses will be made operational by or before end of May, 2016. | The progress in this regard was noted. |
| 14 | Shifting of industries located in the non-designed areas, to the designated areas. | | The compliance is covered under the points related to the Department of Industries at Sr. No. 4. | The Chairperson directed that M.C. Ludhiana shall prepare an inventory of all the red category industries operating in non-designated area and submit it to the Director of Industries, Govt. of Punjab and Punjab Pollution Control Board. |

PUNJAB POLLUTION CONTROL BOARD

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision Taken during meeting |
|---------|---------------------------------------|--------------------|--|---|
| 1. | Installation of CETP for Dyeing Units | Regular persuasion | <p>It was apprised that there are 274 small and medium scale dyeing industries in Ludhiana and these have installed their individual ETPs, but in order to monitor these industries at single outlet, there is proposal to install 3 CETPs of capacity 50 MLD, 40 MLD and 15 MLD for cluster of dyeing industries at Tajpur Road & Rahon Road; Focal Point and Bahadurke Road respectively. The detailed report of the three CETPs is as under:-</p> <p>1. 50 MLD CETP for Dyeing industries of Tajpur Road and Rahon Road Cluster:-</p> <p>Punjab Dyers Association (Tajpur Road Module), Ludhiana has now proposed two modules of 25 MLD capacity each as it will be easier to construct and operate two modules. The 1st module of 25 MLD capacity CETP based on SBR technology is already under construction at Tajpur Road. The 2nd module of 25 MLD capacity CETP is based on ZLD technology for which DPR has been approved by Ministry of Textile, Govt. of India vide no. 1/19/2015-STPCell dated 23-11-2015 for amounting Rs. 130 Crores.</p> | The Chairperson decided that Punjab Pollution Control Board shall pursue the matter with PIDB and Secretary, Local Govt. for release of State Share for early installation of CETP. |

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| | | | <p><u>2. 40 MLD CETP for dyeing industries of Focal Point, Ludhiana:-</u></p> <p>The Punjab Dyers Association (Focal Point Module) is installing a CETP of 40 MLD capacity based on SBR technology for dyeing industries of Phase I to VII and Phase VIII of Focal Point, Ludhiana, on land measuring 8.50 acres taken on lease from Deptt. of Jails, Govt. of Punjab at Tajpur Road. The cost of the project is Rs. 81.05 crores including the cost of the dedicated conveyance system (DCS). The Ministry of Environment, Forest & Climate Change has sanctioned the project vide F. No. Q-15017/22/2014-CPW dated 18-03-2016 for project cost amounting Rs. 55.40 Crores and Central assistance of Rs. 15.00 Crores.</p> <p><u>3. 15 MLD CETP for dyeing cluster at Bahadurke Road, Ludhiana:</u></p> <p>The Bahadurke Textile & Knitwear Association is installing a CETP of capacity 15 MLD for 22 dyeing industries located in Bahadurke Road Dyeing Industries cluster, on land measuring 4 acres available at Bahadurke Road. The proposed CETP is now based on SBR Technology. The Ministry of Environment, Forest & Climate Change has sanctioned the project vide F. No. Q-15017/22/2014-CPW dated 18-03-2016 for project cost amounting Rs. 41.75 Crores and Central assistance of Rs. 11.25 Crores.</p> <p><u>4. Status of State Share:-</u></p> <ul style="list-style-type: none"> • PIDB under the Urban Rural Mission Scheme has sanctioned 78.92 Cr. to D.C. Ludhiana in its meeting dated 12-01-2016 has approved the grant and has recommended to the Secretary, Local Govt. and PIDB for release of funds. • Meeting regarding release of state share for time bound installation of CETPs for dyeing industries of Ludhiana was held under the Chairmanship of Maj. Gen. (Retd.) V.K. Bhatt, Technical Advisor to Hon'ble Chief Minister of Punjab and minutes have been received and action will be taken as per decision taken in the meeting. | |
| 2. | Implementation of standards for treated wastewater at | Continuous monitoring | <ul style="list-style-type: none"> • The meetings have been conducted with various stake holders including the industrial associations, industries and the re-processor/ recovery entrepreneurs to explore the possibility of viable technology for same. • NOC has been granted to M/s JBR technology Pvt. Ltd., Vill. Kohara, Ludhiana for | The Chairperson directed PPCB to be more vigilant to ensure that all the electroplating industries are member of CETP and entire effluent is lifted regularly and no effluent |

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| | the outlet of CETP. | | <p>providing a recovery unit for spent HCL.</p> <ul style="list-style-type: none"> • The project proponent have also been granted consent to operate by the Board. • The HCL recovery unit is yet to commissioned as the project proponent has approached the CPCB for obtaining permission under Rule 11 of Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008. • PPCB is strictly monitor the CETP for small scale electroplating units. 1506 electroplating industries (1113 of Ldh, 267 of Jal, 43 of Asr and 83 of Mohali) have become the members of CETP till the end of March, 2016 and 113.01 Lac Ltrs of has reached CETP for treatment during the month of March, 2016. • Due to the strict monitoring/ surveillance of the Board, 594 no. of small scale pickling and wire drawing industries (497 of Ldh, 28 of Jal and 46 of Mohali and 23 of Asr) have joined Re-processing unit installed at Kohara, Ludhiana till the end of March, 2016 and 11.13 Lac Ltrs of effluent (10,27,590Ltr of Ldh, 37,400 Ltr of Jal, 47,500 Ltr of Mohali and 1500 Ltr of Asr) has reached CETP for treatment during the month of March, 2016. | from electroplating industries is discharged into sewerage system leading to Budha Nallah. |
| 3. | Monitoring of the capacity enhancement of the existing sewage treatment plant. | Regular persuasion | <ul style="list-style-type: none"> • It was apprised that out of 636 MLD of domestic effluent, STPs of capacity 466 MLD are in operation. Therefore, there is need to enhance the existing capacity of STPs by installing new STPs of 170 MLD. • Further, existing 3 no. STPs based on UASB Technology, not meeting with the prescribed standards, located at Jamalpur of 48 MLD, Bhattian of 111 MLD and Balloke of 152 MLD are required to be upgraded to SBR Technology. | It was decided that PWSSB / Deptt. of Local Government shall take action as per the recommendation to be made in the final detailed project report to be prepared by EIL. |
| 4. | Installation / up gradation of ETPs/APCDs. | <ul style="list-style-type: none"> ➤ All the industries to install ETP/APCD by 31/12/2010. ➤ Major upgradation in the ETP/APCD will be got carried out by 31/12/2010. | <p>ELECTROPLATING:-</p> <ul style="list-style-type: none"> • All the 14 Large/ Medium, Electroplating industries have provided ETP based on ZLD Technology. • 1113 Small Scale Electroplating units of Ludhiana have joined the CETP and 92.27 Lac Ltr of effluent was received/treated during the month of March, 2016. • 497 small scale pickling and wire drawing industries of Ludhiana have joined Re-processing unit installed at Kohara, Ludhiana during the month of March, 2016. <p>DYEING:-</p> <ul style="list-style-type: none"> • All the 274 Large/Medium/ Small Scale dyeing industries have provided individual ETPS and these are monitored regularly. However, to ensure the compliance of standards for the small and medium scale dyeing industries, 3 CETPS of capacity 15 MLD, 50 MLD (2 | It was decided that the Punjab Pollution Control Board shall take up the matter with Large and Medium scale dyeing industries regarding upgradation of their existing ETP to achieve the standards prescribed at par with the standards for CETP. |

| | | | | |
|----|--|--|--|---|
| | | <p>➤ Minor upgradation in the ETP/APCD will be got carried out by 30/9/2010.</p> | <p>modules of 25 MLD each) & 40 MLD for 4 dyeing clusters are under installation.</p> <ul style="list-style-type: none"> • All the other polluting units have installed their own ETPs/APCDs. • All the Large scale dyeing industries also need to upgrade these ETP to achieve the stringent standards. | |
| 5. | Ensuring proper management and handling of hazardous waste | <ul style="list-style-type: none"> • All the industries will be persuaded to shift their storageable hazardous waste to common TSDF by 31/12/2010. • M/s Nimbuan Greenfield (Punjab) Ltd. will be persuaded to shift the incinerable waste by 30/9/2010 to other facilities and further be asked to install incinerator at the facility by | <p>Hazardous waste lifter year wise:</p> <ul style="list-style-type: none"> • 2010= 1299.5 MT • 2011= 4752.685 MT • 2012= 6789.615 MT • 2013= 6643.487 MT (Storable) and 10.903 MT (Incinerable). • 2014= 6475.63 MT (Storable) and 29.508 MT (Incinerable). • 2015=6924.316 MT (Storable) and 47.550 MT (Incinerable) • 2016= 2279.391 MT (Storable) and 33.975 MT (Incinerable) • (01.01.2016 to 31-03-2016) | <p>The Chairperson decided that proper monitoring should be ensured regarding management and handling of Hazardous Waste. The quantity of Hazardous Waste lifted should not go down. The annual returns submitted by the industries should also be analyzed by the Punjab Pollution Control Board</p> |

| | | 31/3/2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|---|-------------------------|-------------|------|----------------------------------|-----|--|-----|-----------------------------------|-----|--|-----|-------------------------------------|-----|-----------------------------------|-----|--|----|--|----|-------------------------|----|-------------------------|----|---------------------------------------|----|--|
| 6. | Achievement of zero liquid discharge technology by large & medium scale electroplating industries. | 30/9/2010 | <ul style="list-style-type: none"> All the 14 industries have achieved the ZLD and regular monitoring of these industries is being done. | It was decided that Punjab Pollution Control Board shall keep regular check on the operation of Zero Liquid Discharge technology adopted by the Large and Medium Scale dyeing industries. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Monitoring / ensuring the regular operation of effluent treatment plants and air pollution control devices installed by industries / establishments. | Continuous | <p>Monitoring / sampling of industries</p> <table border="1"> <thead> <tr> <th>Monitoring/Action taken</th> <th>01.04.2015 to 31.3.2016</th> </tr> </thead> <tbody> <tr> <td>Inspections</td> <td>6097</td> </tr> <tr> <td>Total effluent samples collected</td> <td>665</td> </tr> <tr> <td>Samples not meeting with the standards</td> <td>140</td> </tr> <tr> <td>Total emissions samples collected</td> <td>747</td> </tr> <tr> <td>Samples not meeting with the standards</td> <td>118</td> </tr> <tr> <td>Notices u/s 33-A of Water Act, 1974</td> <td>293</td> </tr> <tr> <td>Notices u/s 31-A of Air Act, 1981</td> <td>213</td> </tr> <tr> <td>Directions for closure/ disconnection/ sealing u/s 33-A of Water Act, 1974</td> <td>54</td> </tr> <tr> <td>Directions for closure/ disconnection/ sealing u/s 31-A of Air Act, 1981</td> <td>38</td> </tr> <tr> <td>Bank Guarantees Imposed</td> <td>77</td> </tr> <tr> <td>Bank Guarantee encashed</td> <td>29</td> </tr> <tr> <td>DG sets without canopy sealed/removed</td> <td>91</td> </tr> </tbody> </table> | Monitoring/Action taken | 01.04.2015 to 31.3.2016 | Inspections | 6097 | Total effluent samples collected | 665 | Samples not meeting with the standards | 140 | Total emissions samples collected | 747 | Samples not meeting with the standards | 118 | Notices u/s 33-A of Water Act, 1974 | 293 | Notices u/s 31-A of Air Act, 1981 | 213 | Directions for closure/ disconnection/ sealing u/s 33-A of Water Act, 1974 | 54 | Directions for closure/ disconnection/ sealing u/s 31-A of Air Act, 1981 | 38 | Bank Guarantees Imposed | 77 | Bank Guarantee encashed | 29 | DG sets without canopy sealed/removed | 91 | The Chairperson was satisfied with the progress made by PPCB in this regard. |
| Monitoring/Action taken | 01.04.2015 to 31.3.2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inspections | 6097 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total effluent samples collected | 665 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Samples not meeting with the standards | 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Notices u/s 33-A of Water Act, 1974 | 293 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notices u/s 31-A of Air Act, 1981 | 213 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Directions for closure/ disconnection/ sealing u/s 33-A of Water Act, 1974 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Directions for closure/ disconnection/ sealing u/s 31-A of Air Act, 1981 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bank Guarantees Imposed | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bank Guarantee encashed | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DG sets without canopy sealed/removed | 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Upgradation of emission collection system of Induction furnaces. | <ul style="list-style-type: none"> Preparation of technical report by IIT, Roorkee by 30/9/2010. Installation of Pilot Plant by 31/12/2010. | All the 117 induction furnaces units have provided APCD and are achieving the standards. However, the industries are being persuaded to adopt the design of PSCST. | The Chairperson was satisfied with the progress. | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | <ul style="list-style-type: none"> Duplication of technology by 30/6/2011. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|---|--|---------------------------|-------------------------|--------------------|-------------------------|---------------------------|------|-----------------------|-----------------------|---|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|----------------------|-----------------------|--|
| 9. | Monitoring of ambient air quality, ground water and surface water quality. | Continuous monitoring of ambient air, monthly monitoring of ground and surface water will be carried out. | <p>(1) Ambient Air Quality:-</p> <ul style="list-style-type: none"> PPCB is continuously monitoring the ambient air quality of Ludhiana city for which 4 ambient air quality monitoring stations have been installed. Decreasing trends of RSPM, SO₂& NO_x have been observed at the ambient air quality monitoring stations during 2013-14 as compared to 2010. Also, the annual average concentration of SO₂& NO_x at all the stations is well within the prescribed limits. <p>Annual average concentration of RSPM</p> <table border="1"> <thead> <tr> <th>Year</th> <th>VishkarmaChowk, Station</th> <th>Milk Plant Station</th> <th>Zonal Office-I, Station</th> <th>Rita/Nahar Spinning Mills</th> </tr> </thead> <tbody> <tr> <td>2010</td> <td>234 µg/M³</td> <td>225 µg/M³</td> <td>-</td> <td>244 µg/M³</td> </tr> <tr> <td>2011</td> <td>244 µg/M³</td> <td>224 µg/M³</td> <td>157 µg/M³</td> <td>240 µg/M³</td> </tr> <tr> <td>2012</td> <td>246 µg/M³</td> <td>219 µg/M³</td> <td>184 µg/M³</td> <td>251 µg/M³</td> </tr> <tr> <td>2013</td> <td>218 µg/M³</td> <td>184 µg/M³</td> <td>174 µg/M³</td> <td>233 µg/M³</td> </tr> <tr> <td>2014</td> <td>191 µg/M³</td> <td>105 µg/M³</td> <td>137 µg/M³</td> <td>176 µg/M³</td> </tr> <tr> <td>2015</td> <td>176 µg/M³</td> <td>112 µg/M³</td> <td>105 µg/M³</td> <td>177 µg/M³</td> </tr> <tr> <td>2016 (Upto 31st March)</td> <td>163 µg/M³</td> <td>129 µg/M³</td> <td>90 µg/M³</td> <td>180 µg/M³</td> </tr> </tbody> </table> <p>(2) Ground Water Quality:-</p> <p>Punjab Pollution Control Board is continuously monitoring ground water under NWMP on six monthly basis during the month of April and October. Results of Ground Water Samples collected from 11 different locations in Ludhiana city indicates there is regular</p> | Year | VishkarmaChowk, Station | Milk Plant Station | Zonal Office-I, Station | Rita/Nahar Spinning Mills | 2010 | 234 µg/M ³ | 225 µg/M ³ | - | 244 µg/M ³ | 2011 | 244 µg/M ³ | 224 µg/M ³ | 157 µg/M ³ | 240 µg/M ³ | 2012 | 246 µg/M ³ | 219 µg/M ³ | 184 µg/M ³ | 251 µg/M ³ | 2013 | 218 µg/M ³ | 184 µg/M ³ | 174 µg/M ³ | 233 µg/M ³ | 2014 | 191 µg/M ³ | 105 µg/M ³ | 137 µg/M ³ | 176 µg/M ³ | 2015 | 176 µg/M ³ | 112 µg/M ³ | 105 µg/M ³ | 177 µg/M ³ | 2016 (Upto 31st March) | 163 µg/M ³ | 129 µg/M ³ | 90 µg/M ³ | 180 µg/M ³ | <p>The Chairperson decided that:-</p> <ul style="list-style-type: none"> PPCB should make aware the public regarding efforts made by it for installation of continuous ambient air quality monitoring station at PAU, Ludhiana. Also, display boards showing air quality should be installed in the city. Five more Green Bridges should be installed for making improvement in the quality Budha Nallah water. PPCB shall take up the matter regarding providing funds for installation of 5 more green bridges for in-situ bio-remediation of Budha Nallah water. |
| Year | VishkarmaChowk, Station | Milk Plant Station | Zonal Office-I, Station | Rita/Nahar Spinning Mills | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2010 | 234 µg/M ³ | 225 µg/M ³ | - | 244 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2011 | 244 µg/M ³ | 224 µg/M ³ | 157 µg/M ³ | 240 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2012 | 246 µg/M ³ | 219 µg/M ³ | 184 µg/M ³ | 251 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2013 | 218 µg/M ³ | 184 µg/M ³ | 174 µg/M ³ | 233 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2014 | 191 µg/M ³ | 105 µg/M ³ | 137 µg/M ³ | 176 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2015 | 176 µg/M ³ | 112 µg/M ³ | 105 µg/M ³ | 177 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2016 (Upto 31st March) | 163 µg/M ³ | 129 µg/M ³ | 90 µg/M ³ | 180 µg/M ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

improvement in the TDS content of the Ground Water. There is no Contamination of Ground Water by heavy metals like Cu, Pb, As, Cd, Hg , Ni etc. and not detection of pesticides to these points monitored Since October, 2015. The result of the ground water samples collected during October, 2015 is as under:-

| Sr. No | Point of Collection | pH | Turbidity NTU | TDS mg/l | T.H mg/l | Total Phosphate as PO4 mg/l |
|---------------|---|-----------|----------------------|-----------------|-----------------|------------------------------------|
| 1 | Dasmesh Nagar Gali no. 12, Gurdhwara, Ludhiana | 7.6 | ND | 340 | 252 | ND |
| 2 | Dairy Complex, Tajpur road, Ludhiana, Opp. Satish Dairy, Near AmritDharam Kanda | 8 | ND | 318 | 224 | ND |
| 3 | Bhagwan Singh , Dashmesh Nagar, Ludhiana | 7.1 | ND | 773 | 440 | ND |
| 4 | Haibowal, Dairy Complex, Near Jagga de dairy, Ludhiana | 6.9 | ND | 620 | 384 | ND |
| 5 | PAU Research Fields, Ludhiana | 7.3 | ND | 382 | 268 | ND |
| 6 | M.C. Tubewell near Nanaksar Kanda, Sua road, Ludhiana | 7.3 | ND | 342 | 240 | ND |
| 7 | Public Health tubewell, near PSEB office, Industrial Estate, Ludhiana | 7.4 | ND | 590 | 404 | ND |
| 8 | Near Tej Singh Sant Senior Sec. School, Kwalitkanda, Shimplapuri, Ludhiana | 7.4 | ND | 329 | 200 | ND |
| 9 | Guru Nanak Sen. Sec, School, Janta Nagar, Ludhiana | 7.2 | ND | 685 | 436 | ND |
| 10 | Police Station, Focal Point, Phase-3, | 7.1 | ND | 980 | 544 | ND |
| 11 | Bawa Oil Company, G.T. Road, Sherpur, Ludhiana. | 7.4 | ND | 737 | 304 | ND |

(3) Surface water Quality:-

The Quality of water of Buddha Nallah as well as River Satluj is being monitored regularly by the Board. The Punjab Pollution Control Board has installed 5 Green Bridges at Buddha Nallah near Vill. Jainpur and Punjab Pollution Control Board is monitoring these bridges every month and has shown that some improvement in organic matter. The Punjab Pollution Control Board is also monitoring river Satluj at 13 points at different locations of river satluj under NWMP/NRCP project. The detail of results of samples collected from downstream in March, 2016 is as under:-

| Sr. No. | Name of Station | pH | DO mg/l | BOD mg/l | T.Coli MPN/100ml | F.Coli MPN/100ml | TSS mg/l | TDS mg/l |
|---------|-------------------------------|------|---------|----------|------------------|------------------|----------|----------|
| 1. | Satluj at D/s of Budha Nallah | 7.55 | 5.4 | 12 | 15000 | 4600 | 45 | 420 |

The analysis results indicate that there is a decreasing trend in the metallic content as well as organic matter in the water of Buddha Nallah. The proper working of Green Bridges installed at Jainpur Village. The detail of results of samples collected in March, 2016 is as under:-

| Parameter (mg/l) except pH | Point of Sample Collection | | | | | |
|----------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | U/s of Green Bridge-1 | D/S of Green Bridge-1 | D/S of Green Bridge-2 | D/S of Green Bridge-3 | D/S of Green Bridge-4 | D/S of Green Bridge-5 |
| pH | 7.59 | 7.46 | 7.39 | 7.37 | 7.32 | 7.34 |
| TSS | 166 | 147 | 139 | 122 | 104 | 115 |
| TDS | 1358 | 1276 | 1168 | 1055 | 1013 | 1048 |
| COD | 600 | 572 | 480 | 436 | 400 | 412 |
| BOD | 246 | 223 | 185 | 166 | 150 | 156 |

| | | | | |
|------------|---|-----------|--|---|
| 10. | Preparation of inventory of E-Waste. | 31/3/2011 | 55.97 Ton of E-Waste has been collected by 4 no. collection centers at Ludhiana and RamkyEnviro during the year 2015-16. | The Chairperson was satisfied with the progress made by PPCB in this regard. |
| 11. | Upgradation of Air and Water Monitoring network | 31/3/2011 | The item has already been discussed at point no. 9 of PPCB. | The item was not discussed as the same has already been discussed at point no. 9 of PPCB. |

DEPARTMENT OF TRANSPORT

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting |
|----------------|---|--|---|--|
| 1. | Plan for effective traffic management including provisions of traffic lights, notification of one way traffic, parking of vehicles at the designated place challan of polluting vehicles etc. | Traffic management plan to be prepared by 30/9/2010 and implementation of plan shall be continuous. | <ul style="list-style-type: none"> • Comprehensive Mobility Plan (CMP) for Ludhiana has been prepared by MC, Ludhiana. Simultaneously, a city level committee in the name and style of Ludhiana UMTA (Unified Metropolitan Transport Authority) has been set up under the Chairmanship of Worthy Deputy Commissioner, Ludhiana. In a meeting of Ludhiana UMTA held on 28.11.2014, Assistant Commissioner (s), MC, Ludhiana has been appointed as Nodal officer for CMP program of Ludhiana. Accordingly a meeting of all stake holders of CMP Ludhiana was convened on 09.01.2015 • A meeting of all stake holders of CMP Ludhiana was convened on 09.01.2015, but no progress has been submitted | The Chairperson decided that the Deptt. of Transport shall make an effective traffic management plant at the earliest so that problem of traffic parking and the problem of traffic congestion is removed. |
| 2. | Improvement in public transport system and phasing out of old polluting commercial transport vehicles especially auto / | <ul style="list-style-type: none"> ➤ First phase of city Bus service to start by 31/12/2010. ➤ Second phase to be implemente | <ul style="list-style-type: none"> ▪ Presently Ludhiana City Bus Services Limited (LCBSL) has 105 buses in its fleet ▪ Delivery of 75 more buses is likely to be taken from the bus manufacture companies by 31-03-2016. | The Chairperson decided that the delivery of 75 more buses be taken from the manufacturer by 30.06.2016. |

| | | | | |
|----|--|--|--|--|
| | Rickshaws. | d by 30/6/2011. ➤ Phasing out of polluting / old commercial transport vehicles shall be continuous. | | |
| 3. | Plan for shifting to cleaner fuels viz. CNG etc. | To prepare plan for shifting to cleaner fuels like LPG & CNG by 31/12/2010. | <ul style="list-style-type: none"> • A total of 1940 permits have been issued to LPG driven Autos Rickshaws. • Pipeline of CNG for the same is being laid and same has reached upto Amloh, which is 7 KM away from Khanna town. • A Civil Writ Petition No. 13490 of 2008, Jatinder Moudgill V/s State of Punjab & Others is under consideration in Hon'ble High Court Chandigarh for introduction of CNG fuel based buses. Due to non-ability of CNG gas, the Hon'ble High Court has allowed to ply the diesel fuel based Buses in Ludhiana and accordingly buses were purchased and plied | The Chairperson decided that the Deptt. of Transport shall engage a meeting with GAIL authorities to make CNG available for Auto Rickshaws as well as local buses under his Chairmanship. |
| 4. | Monitoring of Vehicles. | Continuous | <ul style="list-style-type: none"> • 5110 vehicles were challaned for not obtaining pollution under control certificate • The DTO Ludhiana informed that 1272 vehicles were challaned from 01.01.2016 to 24.4.2016 for not having Non Pollution Certificate. | The Chairperson was satisfied with the progress and directed to ensure that all the vehicles get pollution under control certificate. |
| 5. | Banning of pressure horns. | Continuous implementation | <ul style="list-style-type: none"> • In the year 2015. 902 vehicles were challaned for using pressure horns • The DTO Ludhiana informed that 129 vehicles were challaned from 01.01.2016 to 24.4.2016 for using of pressure horn. | The Chairperson decided that Deptt. of Transport and PPCB shall take up the matter with the Ministry of Environment, Forest & Climate Change to ban the manufacturing of pressure horns. |
| 6. | Checking on usage of adulterated fuel and impounding of such vehicles. | Continuous | <ul style="list-style-type: none"> • The District Controller, Food Civil Supply and Consumer Affairs, Ludhiana vide letter no. 2169 dated 26.04.2016 informed that no powers have been conferred to Food Civil Supplies and Consumer Affairs to impound or check vehicles. • There department check the petrol pump as per the norm prescribed by the Govt. to ensure that regular supply is being provided to the consumers. • However, in case of any discrepancy found during the time of checking, oil companies are informed for further necessary action. | The Chairperson decided that the Deptt of Transport and District Food Supply & Controller will hold a meeting and check the adulteration of fuel of various petrol pumps in Ludhiana city. |

POLICE DEPARTMENT

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|--------------|---|--|------|------|------|------|-----------------|-----|------|------|-----|---------------|-------|-------|-------|------|---------------|-----|------|-------|------|--------------|--------------|--------------|--------------|--------------|--|
| 1. | Increased monitoring of vehicles running without pollution under control certificate. | Continuous | <ul style="list-style-type: none"> • 5110 vehicles were challaned in the year 2015 for not obtaining pollution under control certificate • Traffic Police Ludhiana informed that 1272 Vehicles Challaned for without pollution under control certificate from 01.01.2016 to 24.4.2016. | The Chairperson directed that the frequency of monitoring of vehicles running without PUC Certificate during the year 2016-17 must be increased. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Formation and implementation of proper traffic management plan for smooth flow of traffic. | 30/9/2010 | <ul style="list-style-type: none"> • Traffic management plan at local level is prepared and being implemented for smooth flow of traffic in Ludhiana. • The defaulters persons of wrong parked vehicles, over speeding and drunken drivers were challaned as per following details <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Type of Challanes</th> <th style="text-align: center;">2013</th> <th style="text-align: center;">2014</th> <th style="text-align: center;">2015</th> <th style="text-align: center;">2016</th> </tr> </thead> <tbody> <tr> <td>Drunken driving</td> <td style="text-align: center;">441</td> <td style="text-align: center;">1100</td> <td style="text-align: center;">1092</td> <td style="text-align: center;">355</td> </tr> <tr> <td>Wrong Parking</td> <td style="text-align: center;">19852</td> <td style="text-align: center;">25469</td> <td style="text-align: center;">29571</td> <td style="text-align: center;">6366</td> </tr> <tr> <td>Over speeding</td> <td style="text-align: center;">270</td> <td style="text-align: center;">5258</td> <td style="text-align: center;">14793</td> <td style="text-align: center;">2727</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">22576</td> <td style="text-align: center;">33841</td> <td style="text-align: center;">45456</td> <td style="text-align: center;">11464</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ▪ A Comprehensive Mobility Plan (CMP) for Ludhiana has been prepared by MC, Ludhiana. ▪ A city level committee namely Ludhiana UMTA (Unified Metropolitan Transport Authority) has been set up under the Chairmanship of Deputy Commissioner, Ludhiana. ▪ 6366 Defaulters persons of wrong parked vehicles, 2727 over speeding and 355 Drunken Drivers were challenged during the period from 01.01.2016 to 24.4.2016. | Type of Challanes | 2013 | 2014 | 2015 | 2016 | Drunken driving | 441 | 1100 | 1092 | 355 | Wrong Parking | 19852 | 25469 | 29571 | 6366 | Over speeding | 270 | 5258 | 14793 | 2727 | Total | 22576 | 33841 | 45456 | 11464 | The Chairperson was satisfied with the progress and directed to implement the traffic management plan in letter and spirit for the smooth flow of traffic. |
| Type of Challanes | 2013 | 2014 | 2015 | 2016 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drunken driving | 441 | 1100 | 1092 | 355 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wrong Parking | 19852 | 25469 | 29571 | 6366 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Over speeding | 270 | 5258 | 14793 | 2727 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 22576 | 33841 | 45456 | 11464 | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 3. | Implementation of the Noise Pollution Rules, 2000 for control of noise from D.G. sets and other non-point sources. | Continuous | <ul style="list-style-type: none"> Traffic Police Ludhiana 129 Vehicles Challaned for using pressure horns for 01.01.2016 to 24.4.2016. PPCB informed that 91 DG sets have been sealed/removed due to non-providing of acoustic enclosure by the industries It was deliberated that the challaning of commercial vehicles for pressure horn are not yielding desired results and noise pollution from pressure horns is un abated. | It was decided that PPCBwith the assistance of police should also monitor the DG sets and marriage palaces, so that provision of Noise Pollution Rules, 2000 are implemented in letter and spirit. |
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DEPARTMENT OF FORESTS

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---------|---------|---------|---------|---------|-------|--------|--------|--------|--------|--------|--------|---------|---|
| 1. | Preparation of afforestation plan for increasing forest/ green cover in areas under their jurisdiction. | <ul style="list-style-type: none"> Identificatio n of vacant land and preparation of plan by 31/07/2010 First major drive for plantation by 31/8/2010. Second major drive for plantation by 28/2/2011. | DFO vide letter no. 3569 dated 30.07.2015 has submitted the data regarding plantation around the Budha Nallah. Further, the status of the development of plantation in the year 2010-11 to 2015-16 under various schemes is as under:- <table border="1" data-bbox="658 885 1787 1023" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>2010-11</th> <th>2011-12</th> <th>2012-13</th> <th>2013-14</th> <th>2014-15</th> <th>2015-16</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>350052</td> <td>310911</td> <td>341557</td> <td>144253</td> <td>340077</td> <td>796149</td> <td>2282999</td> </tr> </tbody> </table> | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | Total | 350052 | 310911 | 341557 | 144253 | 340077 | 796149 | 2282999 | It was decided that the Deptt.of Forestshall install more nurseries under MNREGA scheme after getting funds from the District Administration during the year 2016-17. |
| 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | Total | | | | | | | | | | | | |
| 350052 | 310911 | 341557 | 144253 | 340077 | 796149 | 2282999 | | | | | | | | | | | | |
| 2. | Rendering training / seminars / awareness camps for increasing | Continuous | During the year 2015-16, a massive tree plantation drive was initiated M/s SAMBHAV FOUNDATION (NGO) for planting 1.0 Crores trees in Punjab in one hour. | It was decided that more trees must be planted to keep the environment green. | | | | | | | | | | | | | | |

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| | green cover in city. | | | |
| 3. | Providing more plants / saplings free of cost in Ludhiana. | Continuous | Department of Forest Ludhiana informed that 340077 plants has been supplied in from year 2014 till 28.02.2015 are as follows :- 1. NREGA, Supply of plant @ 26350 plants 2. Farm forestry, Sale of plants @ 41798 plants 3. Free Supply @ 90484 plants 4. Compensatory Afforestation @ 60081 plants 5. SAMBHAV Foundation Ltd. (NGO) @ 121000 plants | It was decided that the Department of Forest shall supply more and more plants free of cost to the NGOs and Industrial Associations to increase the green cover and also ensure the survival of plants. |
| 4. | A systematic study to keep the track of status of flora and fauna and to prepare inventory for the same. | 31/3/2011 | A study w.r.t. to track of status of flora and fauna is yet to be conducted by Deptt. of Forests. However, no progress regarding the study of flora and fauna in Budha Nallah has been submitted. DFO has informed that 63000 plants have been planted since 2008-09 on the banks of Budha Nallah and 13000 plants have been replaced. | It was decided that the Deptt. of Forest shall conduct a study of flora and fauna in co-ordination with Punjab Agricultural University, Ludhiana and submit a detailed report within a one month positively. |

PUBLIC WORKS DEPARTMENT (PWD)

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting |
|---------|---------------------------------------|-------------|---|--|
| 1. | Construction of bye-pass along Canal. | 28/2/2012 | PWD B&R informed the details of the roads being constructed as under: <u>Highways:</u> 4-Laning of road on left bank of Sidhwan Canal with 7.25 m carriageway for each side of median from Doraha (NH-I) to Ludhiana-Ferozepur Road (NH-95). Service Road : On both sides of Flyovers/ROB's 5.5 m each. RD 0+000 to 1720 LDHS 5.5 m <u>Canal Bridges :</u> | The Chairperson decided that the remaining work should be completed by 31-07-2016. |

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| | | | <p>1. Bridge over Sirhind Canal at RD 0+000 (Under progress, 67% completed)</p> <p>2. Bridge over Sirhind Canal at RD 2+025 (Under progress, 80% completed)</p> <p>3. Bridge over Sidhwan Canal at RD 9+365 (99.5% completed/Traffic plays)</p> <p>4. Bridge over Sidhwan Canal at RD 25+700 (100% completed/Traffic plays)</p> <p>5. Bridge over Sidhwan Canal at RD 26+775 (100% completed/Traffic plays)</p> <p>6. New Bridge over Sidhwan Canal at RD 26.200 (100% completed/Traffic plays)</p> <p><u>Flyovers and ROBs :</u></p> <p>1. Flyover at Malerkotla Road Junction (RD 19+880 to 20+520) (100% completed/Traffic plays)</p> <p>2. ROB over Dhuri railway line (RD 20+741 to 21+459) (100% completed/Traffic plays)</p> <p>3. Flyover at Dugri Road Junction (RD 21+720 to 22+300) (100% completed/Traffic plays)</p> <p>4. Flyover cum ROB over Pakhowal Road Junction, Ferozepur Rail line and BRS Nagar crossing (RD 23+921 to 25+520) (99% completed)</p> <p><u>Underpasses :</u></p> <p>Two no. underpasses are proposed (one on each side of Sidhwan Canal) to cross the Ferozepur Road Junction.</p> <p>Under pass on LHS (Under Progress, 95% completed)</p> <p>Under Pass on RHS (Under Progress, 95% completed)</p> <p><u>Canal Lining :</u></p> <p>Concrete lining of Sidhwan Canal</p> <p>RD 2.300 to 26.900 (Side Lining. (100% completed))</p> <p>D 4.613 to 6.120 & 20.133 to 26.900 (Bed Lining (100% completed))</p> | |
| 2. | Improvement in road conditions and provisions of green belt along the road. | Continuous | It was appraised that plantation work will be done along the roads during the month July-August, 2015. | It was decided that the DFO along with B & R Department shall ensure the plantation along the major roads and a detailed report will be submitted within 2 months. |

DISTRICT ADMINISTRATION

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting |
|---------|---|--------------------------|---|---|
| 1. | To act as facilitator for installation of common effluent treatment plant for dyeing industries. | | Progress already discussed at point no. 1 of PPCB | It was decided that Punjab Pollution Control Board, Deptt. of Industries and Commerce and Local Government shall make arrangement to get release State share for installation of CETP under the Urban Mission Scheme of PIDB to PPCB/PDA. |
| 2. | To impose complete ban on the stubble burning within the 10 Km from the periphery of Ludhiana city. | Every cultivating season | <ul style="list-style-type: none"> ▪ For prohibiting the burning of paddy straw in the State of Punjab, notification no. 946 dated 22.10.2013 has been issued by the Govt. of Punjab. ▪ 7 Bio-mass based projects of capacity 62.5 MW Power Plants are in operation, which are using 0.5 million MT/year of paddy straw. ▪ 3 project of total capacity 14 MW already under installation and 2 proposal of total 30 MW capacity are under consideration in these project about 0.4 million MT/ year of paddy straw shall be used. ▪ PPCB continuously gives awareness campaign during paddy harvesting from 22 Oct. to 4 Nov., daily in 6 newspapers. ▪ For promoting collection for straw for further use in industry/ power plants State Government has provided subsidy @ 50% of the cost of agriculture machinery i.e. Gyrorake (74), Baler (107) during the year 2013-14 & 2014-15. ▪ For promotion of chopping of residue and further incorporation in the soil and direct sowing of wheat in field after harvesting of paddy State Government has provided subsidy @ 50% of the cost of agriculture machinery i.e. Paddy Straw Chopper Shredder (245), Rotavator (14173), Happy Seeder (392), Zero Till Drill (5086) during the year 2013-14 & 2014-15. ▪ Deptt of Agriculture gives programme for mobilization of farmers by deptt. to stop burning of paddy straw. 44 Distt Level, 316 Block Level and 4759 Village level training camps were organized. | Progress made was noted by the chairperson. It was decided that the concerned department shall make more efforts to use paddy / wheat straw for various uses to stop its in discriminate burning in the State. |

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| | | | <ul style="list-style-type: none"> ▪ Total prosecution and FIR launched in the year 2013 are 53 and during the year 2014, the number of such cases was 16. ▪ PPCB regularly monitor the Ambient Air Quality of the State at 24 locations in urban areas and 4 additional monitoring stations in rural areas. ▪ The District Magistrate, Ludhiana has issued the ban orders vide District Administration office endst no. 7222-52/MA dated 14.10.2015 which was valid upto 30.11.2015. A copy of the orders enclosed. ▪ "PPCB has started the monitoring of stubble burning through satellite images from Punjab Remote Sensing Centre, PAU Campus, Ludhiana, for a period of one month from 15 Oct. 2015 to 15 Nov. 2015. As per the reports of Punjab Remote Sensing Centre, 7553 incidence of fire burning noticed against 12368 observed for same period during last year, which shows decline of about 40% in the fire incidences this year. As far as Ludhiana is concerned total fire incidents for same period observed this year are 729 as compared to 1291 last year. Thus, there is 43% decline in the fire incidences in Ludhiana District. A meeting to review the stubble burning issue was taken by the Hon'ble Chief Secretary of Punjab on 01.12.2015. <ul style="list-style-type: none"> ▪ In Ludhiana district one case regarding stubble burning was registered under Ludhiana Rural district of Police in the Hon'ble Court. | |
| 3. | Regulation on use of loud speaker and sound system by the religious places and marriage palaces within permissible limits of | Continuous monitoring | <ul style="list-style-type: none"> ▪ Regular meetings are being conducted with the concerned departments. ▪ SDMs and Local Bodies have been advised to implement the guidelines regarding not to use the loud speakers during night time (10:00 pm to 6:00 am). ▪ Meeting regarding same was conducted on 18.03.2015 which was presided over by the additional Deputy Commissioner (G), Ludhiana and the District Administration directed the concerned Department to implement the decisions taken in the said meeting. | It was noted by the Chairperson. |

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| Noise (Regulation & Control) Rules, 2000. | | | |
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DEPARTMENT OF AGRICULTURE

| Sr. No | Main Areas | Target date | Progress as on 31-03-2016 | | | | Decision taken during meeting | |
|--------|---|-------------|---|--|---|--|--|--|
| 1. | Promotion of bio-methanization and compost facilities for the agricultural residue and awareness regarding ill effects of stubble burning | Continuous | Latest Progress as on 31.03.2016:- | | | | It was decided that awareness should be made to the farmers by conducting seminars in the villages. The technologies like Bio-methanization/generation of power should be facilitated and promoted for the maximum use of stubble. The Deptt. should write to the Govt. for giving subsidies in these technologies so that maximum farmers can adopt these technologies. | |
| | | | Sr. no | Particulars | Progress Report 1-4-2014 to 31-12-2014 | Progress Report 1-4-2015 to 29-02- 2016 | | Remarks |
| | | | 1 | Bio-methanization (Bio Gas Plants) | 274 | 413 | | Deptt. of Agriculture creates awareness among the farmers in the farmer training camps about benefits of installation of bio gas plants. But the subsidy on these plants is reimbursed by Punjab Energy Development Agency (PEDA). Hence, the progress report has been taken from PEDA Ludhiana. |
| | | | 2 | Compost Facilities | | | Technical Knowledge was imparted to the farmers | |

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| | | | Old Pits Renovated | 1433 | 8192 | regarding preparation of compost. |
| | | | New Pits Digged | 1325 | 4859 | |
| | | 3 | Awareness Farmer Training Camp | | | Awareness about ill effects of stubble burning and adoption of Zero tillage and Laser land Levelers to reduce water requirement for irrigation and judicious use of pesticides and chemical fertilizer was created among the farmers. |
| | | | District Level | 2 | 2 | |
| | | | Block Level | 21 | 25 | |
| | | | Village Level | 343 | 1019 | |
| | | 4 | Adoption of water saving technologies | Area sown after laser land leveling (Ha) | | By adopting these techniques, upto 50% water can be saved, yield increases and cost of cultivation deceases. Every year area under these technologies is increasing due to awareness campaign by the department. Special attention is being given to straw management. During coming kharif season, special expert lecture on straw management weil be added in technical schedule. |
| | | | | Year 2014-15 | Year 2015-16 | |
| | | | | 120600 | 157700 | |
| | | | Area sown by adopting resource conservations technologies (Ha) | Area sown by adopting resource conservations technologies (Ha) | | |
| | | | | Year 2014-15 | Year 2015-16 | |
| | | | | 90686 | 124692 | |
| | | 5 | Promotion of Direct Seeded | Kharif 2014 (Ha) | Kharif 2015 (Ha) | By promoting Direct Seeding of Rice, |

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|--|--|--|--|---------------------------------------|-------|------|---|--|
| | | | | Rice Without Pudding (DSR Technique) | 300.8 | 2136 | production of poisonous gases produced by traditional method (puddle) of rice cultivation is reduced. DSR Technique also saves water and helps in judicious use of nitrogenous fertilizers. | |
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PUNJAB STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting |
|---------|---|-------------|---|--|
| 1. | Evolving of cleaner technologies and installation of pilot plants for | Continuous | <ol style="list-style-type: none"> PSCST has provided the technology in the following sectors. developed to control air pollution for rice shellers having mechanical driers. The technology was demonstrated in one of the units in Amritsar and has the potential for its replication in rice shellers at Ludhiana. | It was decided that a pilot project of cleaner technology in electroplating and dyeing industries be installed at Ludhiana, so that the same can be implemented by all the polluting industries at Ludhiana. |

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| | improved effluent/ emissions treatment technologies. | | <p>3. Technical services were provided to 5 cupola furnaces in Ludhiana for providing air pollution control measures during FY 2015-16</p> <p>4. Council is working on the project "Techno Economic feasibility study for silica recovery from rice husk ash sponsored by Punjab Pollution Control Board in May 2015. The proposal aims to explore the feasibility of silica recovery from rice husk ash. PSCST has identified four technology providers and meeting is being organized by all stake holders.</p> <p>5. Council has submitted the proposal for energy efficiency and air pollution control in boilers (Dyeing units) to Punjab Pollution Control Board vide letter no 785 dated 13.02.2015 to address the energy conservation in boilers to save the resources (fuel) and to reduce the pollution load.</p> | |
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CENTRAL GROUND WATER AUTHORITY

| Sr. No. | Main Areas | Target date | Progress as on 31-03-2016 | Decision taken during meeting |
|---------|--|---|--|---|
| 1. | To stop the over exploitation of ground water. | To make the masses aware regarding exploitation of ground water by using print as well as electronic media by | <p>It was apprised as under:</p> <ul style="list-style-type: none"> • CGWA vide Notification dated 11.12.1998 has declared whole of Ludhiana City in Ludhiana district as "Notified Area" for regulation of ground water development & management and imposes prohibition and restriction on the construction, installation of any structure for extraction of ground water resources to avoid its further depletion and deterioration in its quality. • Deputy Commissioner, Ludhiana has been authorized to take action | <ul style="list-style-type: none"> • The President of CICU informed that due to the notification issued by CGWA, the existing as well as new industries have to take permission for the installation of tubewell and PPCB is not giving CTO. He requested to reconsider the notification issued by CGWA. • The Chairperson took a serious view that no representative of the CGWA has attended the meeting. He desired that |

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| | | 30/9/2010. | <p>as deem fit for prohibition and restriction on the construction, installation on any ground water structure in the above said area.</p> <ul style="list-style-type: none"> Regional Director vide its letter dated 27-04-2016 informed that he is not authorized for taking up the desired action as per the power delegated to him. | displeasure be conveyed to the Head Office of CGWA and to ensure that the meeting is attended by the authority on regular basis in future. |
|--|--|------------|--|--|

DEPARTMENT OF HEALTH & FAMILY WELFARE

| Sr. No | Main Areas | Target date | Year Wise Progress/ Balance Target / Progress as on 31-03-2016 | Decision taken during meeting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------------------------------|--|---|---|--------|--------|--------|---------|---------------------|-----|-----|-----|--------------------------------|--------------|-----|-----|-----|--------------------------------|--------------|-----|-----|-----|-------------|--------------|-----|-----|-----|-------------|----------------------|-----|-----|-----|--------------------------------|--------|-----|-----|-----|---|---------------|-----|-----|-----|-------------|--------------------|-----|-----|-----|---|--|
| 1. | Organization of Health Camps | First phase will be started in August 2010. Thereafter in January 2011 followed by every six months. | <p>No study related to pollution has been submitted by the Department of Health & Family Welfare. However, it has only submitted the Detail of Health camps which is as under:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Disease</th> <th>Jan-16</th> <th>Feb-16</th> <th>Mar-16</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Diarrhoeal Diseases</td> <td>430</td> <td>555</td> <td>520</td> <td>More in summer and on increase</td> </tr> <tr> <td>Eye Diseases</td> <td>155</td> <td>198</td> <td>195</td> <td>More in summer and on increase</td> </tr> <tr> <td>Ear Diseases</td> <td>225</td> <td>276</td> <td>258</td> <td>On increase</td> </tr> <tr> <td>Hypertension</td> <td>488</td> <td>534</td> <td>526</td> <td>On increase</td> </tr> <tr> <td>Respiratory Diseases</td> <td>502</td> <td>601</td> <td>598</td> <td>More in winter but on increase</td> </tr> <tr> <td>Asthma</td> <td>182</td> <td>198</td> <td>201</td> <td>More in change of weather and on increase</td> </tr> <tr> <td>Skin Diseases</td> <td>557</td> <td>620</td> <td>602</td> <td>on increase</td> </tr> <tr> <td>Pulmonary Diseases</td> <td>111</td> <td>102</td> <td>145</td> <td>More are reported in summer but on decrease</td> </tr> </tbody> </table> | Disease | Jan-16 | Feb-16 | Mar-16 | Remarks | Diarrhoeal Diseases | 430 | 555 | 520 | More in summer and on increase | Eye Diseases | 155 | 198 | 195 | More in summer and on increase | Ear Diseases | 225 | 276 | 258 | On increase | Hypertension | 488 | 534 | 526 | On increase | Respiratory Diseases | 502 | 601 | 598 | More in winter but on increase | Asthma | 182 | 198 | 201 | More in change of weather and on increase | Skin Diseases | 557 | 620 | 602 | on increase | Pulmonary Diseases | 111 | 102 | 145 | More are reported in summer but on decrease | It was decided that the Deptt. of Health & Family Welfare shall conduct anepidemiologicalstudy regarding ill effect of pollution on human health in collaboration with medical colleges i.e. Dayanand Medical College and Christian Medical College, Ludhiana along with ESI Hospital, Ludhiana. The detailed report will be submitted by Civil Surgeon, Ludhiana within a period of 2 months. |
| Disease | Jan-16 | Feb-16 | Mar-16 | Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diarrhoeal Diseases | 430 | 555 | 520 | More in summer and on increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye Diseases | 155 | 198 | 195 | More in summer and on increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ear Diseases | 225 | 276 | 258 | On increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypertension | 488 | 534 | 526 | On increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Diseases | 502 | 601 | 598 | More in winter but on increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Asthma | 182 | 198 | 201 | More in change of weather and on increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin Diseases | 557 | 620 | 602 | on increase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulmonary Diseases | 111 | 102 | 145 | More are reported in summer but on decrease | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MANDI GOBINDGARH

Deptt.of Industries & Commerce / PSIEC / PSIDC/ DTP

| S. N. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|-------|--|---|--|--|
| 1. | Supply of CNG to rolling mills and forging units through the gas pipeline being laid by GAIL (Gas Authority of India Ltd.) | Completion of work of laying the gas pipeline by June, 2011 and supply of gas to the industries immediately thereafter. | <ul style="list-style-type: none"> • Gas pipeline laid from Amloh upto left side of NH-1. • After persuasion through various meeting taken by PPCB with the All India Steel Rolling Mills Association alongwith GAIL Authorities, 203 rolling mills had agreed in the year 2012 to use CNG as fuel. Subsequently, due to huge recession in the steel industry and reduction in the prices of coal and furnace oil, the rolling mills backed out from using CNG as fuel. The cost of coal per tonne of rolled product comes out to be Rs. 585/- (65 Kg x Rs. 9) and the cost of furnace oil per tonne of rolled product comes out to be Rs. 720/- (45 ltr x Rs. 16). But the cost of CNG for one tonne rolled product comes out to be Rs. 1120/- (40 m³ x Rs. 28). Therefore, the CNG is costlier by Rs. 535/- per tonne of the product in case coal is used as fuel and Rs. 400/- tonne of the product in case furnace oil is used as fuel. • After that meetings were held with Forging Units Association and on the persuasion of PPCB, forging units agreed to use CNG as fuel. But they requested that a model unit be set up first to use | <ul style="list-style-type: none"> • After reviewing the progress regarding supply of CNG to forging units of Mandi Gobindgarh, the Chairperson directed that a separate meeting may be convened with the GAIL authorities to complete the pending work in Mandi Gobindgarh and to explore the possibility of supply of CNG for use by the auto-rickshaws/taxis in Ludhiana to control the vehicular pollution. |

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| | | | <p>CNG as fuel, so as emulate the same in case the said model unit successfully operates on CNG. Therefore, M/s Parbhat Heavy Forge gave its consent to use CNG as fuel in its plant and to act as model unit. Accordingly, M/s Parbhat Heavy Forge has installed the necessary machinery for using CNG as fuel.</p> <ul style="list-style-type: none"> • In the last district level meeting held on 11/2/2016, Sh. Dinesh Gupta, Director of M/s Parbhat Heavy Forge informed that earlier the land area sought by GAIL was 100 Sq. ft. for installation of required machinery for supply of CNG. But now, GAIL has sought 2000 sq. ft of land for installation of that machinery. The industry has provided the said land of 2000 sq. ft. alongwith required fee of Rs. 5 Lacs to GAIL. • He further informed that now GAIL authorities are raising objections that there are labour quarters near the new land given by the industry and want to same to be dismantled. Therefore, the Deputy Commissioner, Fatehgarh Sahib directed GMDIC to hold a joint meeting with GAIL and M/s Parbhat Heavy Forge, Mandi Gobindgarh to thrash out the issue. | |
| 2. | Provision of environmental infrastructure in Focal Point, Mandi Gobindgarh including wastewater treatment facilities, improved water | <p>(i) Repair of sewerage system by 31.3.2011.</p> <p>(ii) Provision of treatment</p> | <ul style="list-style-type: none"> • The work of road infrastructure, water supply, parking facilities and green cover has been completed. | <ul style="list-style-type: none"> • It was decided that PSIEC shall complete the work of installation of STP by 31.07.2016. |

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| | supply, road infrastructure, parking facilities and green cover within the industrial areas. | & disposal facilities by 31.12.2011. | <ul style="list-style-type: none"> PSIEC has been directed to install separate STP for the Focal Point area vide Board's letter no. 136 dated 14/1/2015. As per the time schedule submitted by PSIEC, the STP would be installed by 31/7/2016 and the same would be commissioned by 30/9/2016. | |
| 3. | Shifting of industries, which are located in the non-designed areas, to the designated areas | Industries located in non-designated area will be shifted as per the provisions made in the Master Plan to be notified by the Government for Mandi Gobindgarh. | <ul style="list-style-type: none"> The Master Plan for Mandi Gobindgarh came into force in the year 2011. As per section 79 of Punjab Regional Town Planning and Development Act, 1995, the red category of industries shall continue to operate in non-designated areas for 10 years from the date of enforcement of Master Plan. But such units are required to seek permission from Chief Administrator, GMADA for continuing their operation. 18 industries are located in the non-designated area of Mandi Gobindgarh, out of which 8 are lying closed and 10 are in operation. 10 operational industries have applied for obtaining permission from Chief Administrator, GMADA. During the last district level meeting held on 11/2/2016, DTP, Fatehgarh Sahib was directed to pursue the matter with CA, GMADA to expedite the grant of above said permission. | <ul style="list-style-type: none"> Progress made by the department was noted. |
| 4. | Awareness campaign to increase green cover in industrial areas. | <ul style="list-style-type: none"> Continuous | <p>Plantation made during the year 2013-14:</p> <ul style="list-style-type: none"> 7400 plants were planted (3900 by GMDIC, 3500 | <ul style="list-style-type: none"> It was decided that PSIEC shall carry out more tree plantation before the |

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| | | | by PSIEC) Plantation made during the year 2014-15: <ul style="list-style-type: none"> • 2500 plants have been planted by MC, Mandi Gobindgarh. Plantation made during the year 2015-16: <ul style="list-style-type: none"> • 1650 no. plants have been planted by MC, Mandi Gobindgarh at different places like Truck Stand, Aggarsain Park, MC Office, Shree Hargobind Singh Khalsa School, Idgah, Gugamari, Guru Ki Nagari and Adarsh Nagar etc. | forthcoming rainy season. |
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Deptt.of Local Bodies / M.C. Mandi Gobindgarh/ PWSSB

| S. N. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
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| 1. | Installation of STP and disposal of treated wastewater onto land for irrigation / plantation. | 31/12/2011 | <ul style="list-style-type: none"> • Funding Agency – MC, Mandi Gobindgarh • Nodal Agency for installation of STP – PWSSB • Land allotted for STP on 26/11/2014. • Possession of land taken on 11/12/2014. • 90% work of STP has been completed. • The installation of STP would be completed by 30/6/2016. | <ul style="list-style-type: none"> • Progress made by the department was noted. |
| 2. | Laying of sewer lines in remaining areas and connecting with the sewage treatment facilities. | 30/9/2013 | <ul style="list-style-type: none"> • Work completed. | <ul style="list-style-type: none"> • Progress made by the department was noted. |

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| 3. | Development of engineered municipal solid waste dump site and compliance of provisions of the Municipal Solid Waste (Management & Handling), Rules, 2000 | <ul style="list-style-type: none"> • Identification of land fill site by 30.09.2010. • Development of land fill site by 31.12.2011. | <ul style="list-style-type: none"> • Earlier, 6 acres of land was purchased by MC, Mandi Gobindgarh at Vill. Badali for disposal of municipal solid waste. But due to filing of a writ petition in the Hon'ble Punjab and Haryana High Court by the residents of nearby area, the dumping of solid waste could not be started at that place. • Presently, the MC is disposing off its MSW on a temporary land situated alongwith National Highway in Mandi Gobindgarh. • MC, Mandi Gobindgarh has been asked by PPCB to strictly follow the MSW Rules for dumping of municipal solid waste at this temporary site till the Mohali Cluster comes into existence. | <ul style="list-style-type: none"> • It was decided that the officials of MC, Mandi Gobindgarh shall comply with the Municipal Solid Waste (Management & Handling), Rules, 2000 as well as 10 point action plan submitted by the Deptt. of Local Bodies in letter and spirit. |
| 4. | Improvement of Road infrastructure for better and smooth traffic movement. | Continuous | <ul style="list-style-type: none"> • Yellow lines provided on the roads in main bazaar, Post Office Road. • The bitumen layer on some of internal roads in Mandi Gobindgarh would be laid by the end of April, 2016. | <ul style="list-style-type: none"> • Progress made by the department was noted. |
| 5. | Upgrading traffic lights for smooth traffic movement. | <ul style="list-style-type: none"> • Identification of congested traffic cross sections by 30/9/2010. • Upgradation and implementation of plan by 31/12/2010. | <ul style="list-style-type: none"> • Due to six laning of NH-1, the flyovers have been constructed in Mandi Gobindgarh for smooth movement of traffic and lights on the dividers have also been provided by NHAI. | Progress made by the department was noted. |
| 6. | Steps for compulsory installation of rainwater harvesting structure by the different establishments within the city. | Continuous | <ul style="list-style-type: none"> • The Department of Local Government has already made it mandatory for all the houses having land area of 250 Sq. Yards or more to provide rainwater harvesting system. | <ul style="list-style-type: none"> • The Deputy Commissioner, Fatehgarh Sahib suggested that a meeting may be convened by the Secretary, Deptt. of Local Govt. of all the stakeholders in this |

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| | | | <ul style="list-style-type: none"> • During the last district level meeting held on 11/2/2016, the Deputy Commissioner, Fatehgarh Sahib directed the EO, MC, Mandi Gobindgarh that a meeting be convened in which Draftsmen, Architects, Contractors, Masons of Mandi Gobindgarh be invited to create awareness regarding construction of rainwater harvesting system. • Accordingly, a meeting was convened on 25/2/2016 under the Chairmanship of Deputy Commissioner, Fatehgarh Sahib, wherein, a presentation was given by Sh. P.S. Bhogal, Chief Engineer (Retd), Deptt. of Irrigation regarding the rainwater harvesting system. | regard to thrash out the issue. He also advised the officials of MC, Mandi Gobindgarh to enforce the statutory provisions of providing rain-water harvesting system by the individual household owners. The Chairperson agreed with the views expressed by the Deputy Commissioner. |
| 7. | Increasing green cover in city and provision of green belt/ buffer zones separating industrial areas from residential areas. | <ul style="list-style-type: none"> • First phase of plantation by 31/8/2010. • Second phase of plantation by 28/2/2011. • Plantation shall be done regularly. | <p>Plantation made during the year 2013-14:</p> <ul style="list-style-type: none"> • 7400 plants were planted (3900 by GMDIC, 3500 by PSIEC) <p>Plantation made during the year 2014-15:</p> <ul style="list-style-type: none"> • 2500 plants have been planted by MC, Mandi Gobindgarh. <p>Plantation made during the year 2015-16:</p> <ul style="list-style-type: none"> • 1650 no. plants have been planted by MC, Mandi Gobindgarh at different places like Truck Stand, Aggarsain Park, MC Office, Shree Hargobind Singh Khalsa School, Idgah, Gugamari, Guru Ki Nagari and Adarsh Nagar etc. | <ul style="list-style-type: none"> • It was decided that M.C., Mandi Gobindgarh shall carry out more tree plantation before the forthcoming rainy season. |
| 8. | Mandatory requirement to provide canopies with the exiting D.G sets alongwith stacks as per norms fixed by the PPCB and not to allow any | Existing D.G. sets by 31/12/2010. | <ul style="list-style-type: none"> • Out of 13 DG sets installed on tubewells of MC, Mandi Gobindgarh, canopies have been provided on 6 DG sets. The work of providing canopies on the | <ul style="list-style-type: none"> • It was decided that MC, Mandi Gobindgarh shall provide canopies on the remaining DG sets provided with the |

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| shop, office/ commercial establishment to install D.G. sets without canopy and to take policy decision regarding regulation of D.G. sets in residential houses. | | <p>remaining DG sets is in progress.</p> <ul style="list-style-type: none"> During the last district level meeting held on 11/2/2016, the representative of MC, Mandi Gobindgarh informed that 44 commercial establishments having DG sets had not provided canopies. Therefore, MC, Mandi Gobindgarh was asked to pursue these establishments to provide canopies on the DG sets. | tubewells of MC, Mandi Gobindgarh and to pursue the commercial establishments identified by it to provide canopies on the DG sets. |
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Deptt.of Transport

| S. No. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|--------|--|---|--|--|
| 1. | Plan for effective traffic management including provision of traffic lights, notification of one way traffic, parking of vehicles at the designated place, challaning of polluting vehicles etc. | Traffic management plan to be prepared by 31/12/2010 and to be implemented thereafter on regular basis. | <ul style="list-style-type: none"> The flyovers have been constructed by NHA in Mandi Gobindgarh for smooth movement of traffic. | <ul style="list-style-type: none"> Progress made by the department was noted. |
| 2. | Phasing out of 15 years old commercial transport vehicles. | ➤ Continuous | <ul style="list-style-type: none"> District Transport Officer, Fatehgarh Sahib submitted an undertaking vide its letter no. 4121 dated 17/11/2015 that no commercial vehicle older than 15 years is being used. | <ul style="list-style-type: none"> Progress made by the department was noted. |
| 3. | Increased monitoring of vehicles running without P.U.C certificates. | ➤ Continuous | <ul style="list-style-type: none"> DTO, Fatehgarh Sahib informed that 280 vehicles were challaned from 1/1/2015 to 11/2/2016 for not having PUC certificates. | <ul style="list-style-type: none"> It was decided that the Deputy Commissioner, Fatehgarh Sahib shall ask the District Transport Officer to ensure that the PUC certificates are properly issued to the vehicle owners. |

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| 4. | Banning of pressure horns. | ➤ Continuous | <ul style="list-style-type: none"> • DTO, Fatehgarh Sahib informed that 279 vehicles were challaned from 1/1/2015 to 11/2/2016 for using of pressure horns. | <ul style="list-style-type: none"> • It was suggested that the use of pressure horns can be stopped more effectively if their manufacturing is stopped. He, therefore, directed the PPCB to take up the matter with CPCB/ MoEF in this regard. |
| 5. | Checking the use of adulterated fuel and impounding of such vehicles. | ➤ Continuous | <ul style="list-style-type: none"> • District Transport Officer submitted an undertaking vide its letter no. 4121 dated 17/11/2015 that no adulterated fuel is being used in the vehicles. | <ul style="list-style-type: none"> • Progress made by the department was noted. |

Deptt.of Home Affairs/ Police

| S. No. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|---------------|--|--------------------|--|---|
| 1. | Formation and implementation of proper traffic management plan for smooth flow of traffic. | 30/09/2010 | <ul style="list-style-type: none"> • With the construction of flyovers by NHAI in Mandi Gobindgarh, the movement of traffic has been smoothened and only one exit and entry point has been given in the entire town, so that there is no obstruction to the traffic moving on the flyover. | Progress made by the department was noted. |
| 2. | Implementation of Noise (Prevention & Control of Pollution) Act, 2000 for control of noise from D.G. sets and other non-point sources. | Continuous | <ul style="list-style-type: none"> • As per report given by the SSP, Fatehgarh Sahib., 260 vehicles were challaned from 1/1/2015 to 11/2/2016 for using pressure horns. • There is no big marriage palace in Mandi Gobindgarh and only two small marriage palaces with gathering capacity of only 200 persons are there. | Progress made by the department was noted. |

Deptt.of Forests

| S.N | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|-----|---|-------------|--|---|
| 1. | Implementation of Action plan for greening Mandi Gobindgarh | 31.3.2011 | <ul style="list-style-type: none"> • Year wise plantation carried out by Deptt. of Forests is given as under 2010-11—5000 2011-12—11000. 2012-13—22500. • Department of Forests informed that no targets were fixed for the year 2013-14 and 2014-15. Therefore, the Deputy Commissioner, Fatehgarh Sahib requested the Principal Chief Conservator of Forests vide letter dated 26/8/2015 to fix the targets for their periods for making plantation in Mandi Gobindgarh. • As per the information given by the Divisional Forest Officer, Patiala vide its letter dated 9/2/2016, no targets have been fixed for the year 2014-15 and 2015-16. | <ul style="list-style-type: none"> • The officer from the Deptt. of Forests informed that the targets for making plantation during the year 2016-17 would be fixed by their department and accordingly, the plantation would be made in Mandi Gobindgarh. It was decided that proper planning may be made to carry out plantation during the entire year, especially, before the forthcoming rainy season. |

Deptt.of PWD (B&R)

| S.N | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|-----|--|--|--|--|
| 1. | Improving road conditions for smooth movement of traffic and provision of flyovers/ underpasses etc. | <ul style="list-style-type: none"> ➤ Identification of traffic bottlenecks and preparation of scheme by 31/12/2010. ➤ Implementation of scheme regarding flyovers / underpasses by 31/12/2012. | <ul style="list-style-type: none"> • With the construction of flyovers and underpasses by NHA in Mandi Gobindgarh, the movement of traffic has been improved. | <ul style="list-style-type: none"> • Progress made by the department was noted. |

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| 2. | Increasing green cover on roadside under their jurisdiction. | <ul style="list-style-type: none"> ➤ Identification of vacant land for plantation by 30/9/2010. ➤ Preparation of plan for plantation by 30/9/2010. ➤ Plantation in the entire vacant land by 31/3/2011. | <ul style="list-style-type: none"> • During the last district level meeting held on 11/2/2016, the officer of PWD (B&R) informed that the construction work of flyover has been completed and PSIDC has been requested to make necessary plantation on its berms. | <ul style="list-style-type: none"> • It was decided that PSIDC shall ensure that the tree plantation work is completed by June, 2016. |
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District Administration

| S. No. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|---------------|---|--------------------|--|--|
| 1. | To impose complete ban on stubble burning in the agricultural fields around Mandi Gobindgarh. | 30/9/2010. | <ul style="list-style-type: none"> • Orders u/s 144 of CrPC have been issued vide letter no. 3887-3917 dated 5/4/2016 by the District Magistrate, Fatehgarh Sahib regarding complete ban on stubble burning. | <ul style="list-style-type: none"> • The Chairperson directed that all concerned departments/authorities shall take necessary steps to ensure that the orders dated 10.12.2015 passed by the Hon'ble National Green Tribunal, New Delhi regarding complete ban on stubble burning are complied with in letter and spirit. |
| 2. | Regulate the use of loud speaker and sound system by the religious places and marriage palaces. | Immediate | <ul style="list-style-type: none"> • The District Magistrate, Fatehgarh Sahib has already passed an orders not to use loud speakers and sound system at religious places and marriage palaces from 10:00 pm to 6:00 am. | <ul style="list-style-type: none"> • Progress made by the department was noted. |

Punjab State Council for Science & Technology

| S. No. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|--------|---|-------------|--|--|
| 1. | Evolving of cleaner technologies and installation of pilot plants for improved effluent / emissions treatment technologies. | Continuous | <ul style="list-style-type: none"> • PSCST had given training to 172 re-rolling mills for achieving better feeding and firing practices on pulverized coal and further suggested that energy saving devices should to be provided for better efficiency and less energy consumption. • Now, all the operational steel re-rolling mills (215) have adopted better coal feeding/ firing practices and have installed the energy saving devices. • 25 no. induction furnaces have upgraded their APCDs on the basis of PSCST design by providing cyclone followed by bag filter house. | <ul style="list-style-type: none"> • Progress made by the department was noted. |

Deptt.of Agriculture

| S.N | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
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| 1. | To propagate sustainable technology for bio-mechanization of agricultural waste including compost facilities. | To launch awareness campaign in the rural areas of Mandi Gobindgarh through print and electronic media. | <ul style="list-style-type: none"> • The Department of Agriculture informed that awareness camps are being organized to spread awareness among the farmers, so as to stop stubble burning. Moreover, lot of subsidies are also being offered to the farmers for various farm machineries to encourage them to stop stubble burning. • In the last district level meeting held on 11/2/2016, the Deputy Commissioner, Fatehgarh Sahib directed the | <ul style="list-style-type: none"> • The Chairperson directed that the PPCB should prepare a project report in consultation with Punjab State Council for Science & Technology (PSCST) for use of agricultural residue (stubble) in the boiler furnaces of industries and this report may be sent to the MoEF/CPCB for approval. He further advised that |

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| | | | <p>Department of Agriculture to take up the matter with Punjab Agriculture University, Ludhiana to create awareness among the farmers regarding technologies for the disposal of stubble, so as to avoid its burning.</p> <ul style="list-style-type: none"> • One industry i.e. M/s Shree Ganesh Edibles Oil Pvt. Ltd., Mandi Gobindgarh has installed co-generation power plant of 1.25 MW capacity in which about 125 TPD of stubble is used as fuel in the furnace. | <p>MoEF/CPCB may be suggested to provide some kind of incentives for the industries which use stubble as fuel in their furnaces.</p> |
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Deptt.of Health and Family Welfare

| S. No. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
|---------------|------------------------------|--|--|--|
| 1. | Organization of Health Camps | First phase will be started in August, 2010. Thereafter in January, 2011 followed by every six months. | <ul style="list-style-type: none"> • As per the information supplied by Civil Surgeon, Fatehgarh Sahib. • 561 patients have been checked from 1/1/2015 to 10/3/2016. • Regular medical camps are being organized in District Fatehgarh Sahib. • In the last district level meeting held on 11/2/2016, the Civil Surgeon, Fatehgarh Sahib informed that no major disease has been reported, so far. | <ul style="list-style-type: none"> • The Chairperson expressed satisfaction over the progress made by the Deptt. of Health & Family Welfare regarding regular check-up of patients and organization of medical camps. But he informed that epidemiological studies should be conducted by the Deptt. of Health & Family Welfare to ascertain the effect of pollution on the health of human beings causing any major disease. He, therefore, asked the officials of Health Department to take necessary steps in this regard. |

Punjab Pollution Control Board

| S. N. | Activity | Target date | Progress Report as on 31/3/2016 | Decisions taken by the Hon'ble Chairperson |
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| 2. | Upgradation of fugitive emission collection system of induction furnaces. | (a) Preparation of design of modified air pollution control system by IIT, Roorkee by 15.11.2010 (b) Installation, commissioning & monitoring of pilot plant by 28.2.2011. (c) Replication by other similar units by 30.9.2011. | <ul style="list-style-type: none"> • 60 induction furnace units (out of 102) are in operation and out of these, 25 units have upgraded their air pollution control systems from wet scrubber to cyclone followed by bag filter house as per design of PSCST. | <ul style="list-style-type: none"> • Progress made by the department was noted. |
| 3. | ➤ Installation of online monitoring system. | (i) Pilot project in NFL, Naya Nangal by 31.3.2011 (ii) To be emulated by the large scale polluting industries in Mandi Gobindgarh within six months after successful commissioning of the pilot project. | <ul style="list-style-type: none"> • M/s Modern Steels Ltd., M/s Bhawani Industries and M/s Nahar Sugar Mills have installed the online emission monitoring systems. | <ul style="list-style-type: none"> • Progress made by the department was noted. |
| 4. | Switching over to tunnel type kiln by refractory units. | By 30.6.2011. | <ul style="list-style-type: none"> • All the refractory units in Mandi Gobindgarh have installed tunnel type kiln and upgraded their APCDs. | <ul style="list-style-type: none"> • Progress made by the department was noted. |
| 5. | Vigorous monitoring of the air and water polluting industries. | Continuous process. | <p>From 1/4/2015 to 31/3/2016</p> <ul style="list-style-type: none"> • Industries monitored: 814 • Notices issued u/s 31-A of the Air Act, 1981: 41 • Notices issued u/s 33-A of Water Act, 1974 : 21 • Closure u/s 31-A of the Air Act, 1981: 5 • Closure u/s 33-A of the Water Act, 1974: 10 | <ul style="list-style-type: none"> • Progress made by the department was noted. |
| 6. | (i) Shifting of hazardous waste to the Common TSDF by the | By 31.12.2010. | <ul style="list-style-type: none"> • Continuous process. Being complied with by the industries. | <ul style="list-style-type: none"> • Progress made by the department was noted. |

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| | industries. (ii) To carry out feasibility studies for GPS based tracking system for hazardous waste going to TSDF. | By 31.3.2011 | <ul style="list-style-type: none"> GPRS System has been installed on the vehicles carrying hazardous waste to TSDF. | |
| 7. | Preparation of inventory of E-waste | By 31.3.2011 | <ul style="list-style-type: none"> Inventory of e-waste generating institutions/ organizations has been prepared. Notices have also been issued to institutions/ organizations for disposal of e-waste. All the major Educational Institutes and 5 large scale industries have already made agreement with M/s RamkyEnviro Engineers Ltd., Vill. Nimbua, Tehsil Dera Bassi for disposing of their e-waste. PPCB organized camps at S.D. Public School and RIMT Campus on 18/11/2015 and 4/3/2016, respectively to create awareness among educational institutes, industries and various shop owners regarding disposal of e-waste. | <ul style="list-style-type: none"> Progress made by the department was noted. |
| 8. | Proper management of solid waste generated from cooling water recirculation tanks | By 31.3.2011. | <ul style="list-style-type: none"> All the units where cooling water recirculation systems have been provided are properly disposing of their solid waste generated from cooling water recirculation tanks. | <ul style="list-style-type: none"> Progress made by the department was noted. |

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| 9. | <p>(i) Up-gradation of groundwater monitoring network.</p> <p>(ii) Up-gradation of ambient air quality monitoring network.</p> <p>(iii) Regular monitoring of surface water bodies.</p> <p>(iv) Source apportionment studies.</p> | <p>of By 31/12/2010</p> <p>(ii) By 30.9.2011 subject to availability of funds.</p> <p>(iii) Continuous process.</p> <p>(iv) Within two years after the framing of guidelines by the CPCB in this regard.</p> | <p>(i) 2 stations have been set up in Mandi Gobindgarh for collection of ground water samples. Groundwater samples were collected on 28/10/2015 and no contamination was observed in those samples.</p> <p>(ii) Ambient air quality is being monitored on regular basis at the existing 3 stations set up in Mandi Gobindgarh and the monitoring results indicate downward trend of RSPM.</p> <p>(iii) There is only one surface water body i.e. Sirhind Choe, which carries the domestic effluent of MC, Mandi Gobindgarh, Sirhind & Bassi Pathana, but the sewage does not reach River Ghaggar. The aforesaid Municipal Councils are being pursued by the Board to install the sewage treatment plants and to make arrangements to utilize the treated wastewater onto land for plantation/irrigation. The STP for Mandi Gobindgarh town would be installed by 30/6/2016.</p> <p>(iv) Source apportionment studies will be carried out after the necessary guidelines are framed by CPCB.</p> | <p>(i) Progress made by the department was noted.</p> <p>(ii) The Chairperson expressed satisfaction over the progress made in this regard. He lauded the efforts of PPCB to install continuous ambient air quality monitoring station at Mandi Gobindgarh, Ludhiana and Amritsar.</p> <p>(iii) Progress made by the department was noted.</p> <p>(iv) The Member Secretary, PPCB informed that work on source apportionment studies would be started only after the necessary guidelines are available from CPCB.</p> |
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Annexure-A

Attendance sheet of the officers who attended the meeting on 29/04/2016 at Circuit House, Ludhiana

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| 1. | Sh. Ravi Bhagat, IAS Deputy Commissioner, Ludhiana |
| 2. | Sh. Manpreet Singh, IAS, Chairman, Punjab Pollution Control Board, Patiala. |
| 3. | Sh. Kamaldeep Singh Sangha, IAS Deputy Commissioner, Fatehgarh Sahib. |
| 4. | Sh. ApneetBrar, IAS Additional Deputy Commissioner, Ludhiana. |
| 5. | Sh. Ajay Sood, IAS Assistant Chief Administrator, GLADA, Ludhiana. |
| 6. | Sh. GhanshyamThori, IAS Commissioner, Municipal Corporation, Ludhiana. |
| 7. | Dr. Babu Ram, Member Secretary, Punjab Pollution Control Board, Patiala. |
| 8. | Dr. S.S. Marwaha, Chief Executive Officer, Punjab Bio Technology Incubator, Mohali. |
| 9. | Dr. RanuChattwal, Civil Surgeon, Ludhiana. |
| 10. | Sh. Amarjit Singh, PPS, Superintendent of Police (H), Fatehgarh Sahib |
| 11. | Sh. Dalwinder Singh, PCS District Transport Officer, Ludhiana. |
| 12. | Sh. Joginder Singh, Conservator of Soil & Water, Ludhiana. |
| 13. | Sh. Kushwinder Singh, Range Officer, Ludhiana. |
| 14. | Sh. Varinder Singh, Deptt. of Town Planning, Ludhiana. |
| 15. | Sh. Aminderjit Singh, Assistant Food & Civil Supply Officer, Ludhiana. |
| 16. | Sh. Sukhpal Singh, ADCP, Traffic Police, Ludhiana. |
| 17. | Sh. Pritpal Singh, Senior Engineer, Punjab State Council for Science & Technology, Chandigarh. |
| 18. | Sh. Sukhpal Singh, Chief Agriculture Officer, Ludhiana. |
| 19. | Sh. Ravinder Singh, Executive Officer, PSIEC, Chandigarh. |
| 20. | Sh. A.S. Goyal, |

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| | WDP, Ludhiana. |
| 21. | Sh. Mahesh Khanna, General Manager, District Industries Centre, Ludhiana. |
| 22. | Sh. Jagjit Singh, Executive Officer, Municipal Council, Ludhiana. |
| 23. | Smt. Babita, PCS, DPR, Ludhiana. |
| 24. | Smt. Hargunjit Kaur, Deptt. of Local Government, Ludhiana. |
| 25. | Sh. Ashok Goyal, Chief Engineer, PWD (B & R), Chandigarh |
| 26. | Sh. PawanGarg, Chief Environmental Engineer, Punjab Pollution Control Board, Patiala. |
| 27. | Sh. Gulshan Rai, Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana. |
| 28. | Sh. RavinderGarg, Executive Engineer, Municipal Corporation, Ludhiana. |
| 29. | Sh. J.S. Chahal, Executive Engineer, Punjab Water Supply & Sanitation, Ludhiana. |
| 30. | Sh. R.K. Ratra, Environmental Engineer, Punjab Pollution Control Board, Regional Office-4, Ludhiana. |
| 31. | Sh. Anupum _____ Senior Manager, PEDDA, Chandigarh |
| 32. | Sh. Ashok Sharma, Environmental Engineer, Punjab Pollution Control Board, Regional Office-3, Ludhiana. |
| 33. | Sh. Harbir Singh, Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Ludhiana. |
| 34. | Sh. Ashok Garg, Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Ludhiana. |
| 35. | Sh. Harpal Singh, Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana. |
| 36. | Sh. Paramjit Singh, Environmental Engineer, Punjab Pollution Control Board, Regional Office-2, Ludhiana. |
| 37. | Sh. A.K. Kalsi, Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Patiala. |
| 38. | Sh. Avtar Singh, President, |

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| | CICU (LTS), Ludhiana. |
| 39. | Sh. S.P. Garg, Senior Environmental Engineer, Zonal Office-1, Ludhiana |
| 40. | Sh. Lavneet Kumar, Environmental Engineer, Punjab Pollution Control Board, Fatehgarh Sahib |
| 41. | Sh. Bobby Jindal, Secretary, Punjab Dyer Association, Ludhiana. |
| 42. | Sh. PawanGarg, Chairman, Punjab Dyer Association, Ludhiana. |
| 43. | Sh. Vijay Kumar, Vice President, Punjab Dyer Association, Ludhiana. |
| 44. | Sh. T.S. Randhawa, Divisional Engineer (Civil), GLADA / PUDA, Chandigarh. |

