

**Compliance report of CEPI Action Plan
Aurangabad
As on 22/01/2015**



MAHARASHTRA POLLUTION CONTROL BOARD

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**Short Term & Long Term Action Plan
Water Environment**

Sr No	Description of Action Point	Implementing Agency	Proposed Time Frame	Present Status
01	Completion of conveyance system for carrying the effluent from individual industry to CETP in MIDC Area Waluj Phase	MIDC	---	1 st Phase conveyance system is completed & CETP is in operation.
02	Completion of conveyance system for carrying the effluent from individual industry to CETP in MIDC Waluj Phase-II	MIDC	Dec 2011	1 st Phase conveyance system is completed. For 2 nd phase conveyance system, tenders are submitted for approval at MIDC Head Office.
03	Completion of conveyance system for carrying the effluent from individual industry to CETP in MIDC Area Shendra.	MIDC	Dec 2011	Shendra is a new MIDC area & it is not fully developed. No steps taken for installation of CETP.
04	Commissioning of the CETP in MIDC area Waluj	MIDC & CETP	---	In operation from July 2011
05	Construction of common effluent treatment plant in MIDC Shendra.	MIDC, Inds & Govt. Assi	Dec 2011	Shendra is a new MIDC area & it is not fully developed. No steps taken for commissioning of CETP.
06	Construction of separate CETP for electroplating industries in Waluj MIDC.	MIDC, Inds & Govt. Assi	---	Activity completed. Treatment of effluent from electroplating is being done in existing CETP separately.

07	Laying of disposal line from CETP to Kham River	MIDC	---	Work completed
08	Revamping of old ETPs in prominent industries for stoppage of leakages and seepages in MIDC Chikalthana and Waluj wherever required.	Individual Industries & MPCB	Dec 2011	M/s. Endurance Tech ,K-120 MIDC Waluj,M/s.MDL ,MIDC Chikalthana,M/s. ABD MIDC Chikalthana have revamped their ETPs.
09	Up gradation of effluent treatment plant which are not meeting prescribed standards.	Individual Industries & MPCB	March 2011	Directions were issued to 50 no of electroplating ind for providing ETP & sending their eff. to CETP & 39 nos of ind complied as per directions and 11 no of ind are closed.In the year 2012,the action taken against 9 no of units for not achieving consented standards. Now all these units have upgraded their ETP. Directions to 6 No of units located in Waluj Area of closure were issued and upgradation of ETP is being carried out.
10	Solvent recovery in major bulk drug and chemical units located in MIDC area Waluj MIDC Shendra and Chikalthana	Individual Industries & MPCB	March 2011	There are total 11 nos of Bulk Drug and Chemical units located in MIDC Waluj . All these units have increased their Solvent Recovery efficiency to recover solvents upto 92% to 95% ,remaining 9 units are carrying pharmaceutical/formulation activity.
11	Identification and separation of high concentrated streams in prominent industry of MIDC area Waluj ,MIDC Shendra and Chikalthana and treating them separately.	Individual Industries	Dec 2010	There are total 11 nos of Bulk Drug and Chemical units located in MIDC Waluj and Chikalthana & they have separated high concentration stream.

Short Term & Long Term Action Plan Water Environment.. Contd

Sr. No	Description of Action Point	Implementing Agency	Proposed Time Frame	Present Status
12	Scientific collection treatment and disposal of sewage generated from human habitation.	Local Body	3 Years	BG of Rs.5.0 Lacs obtained from Abad Municipal Corp for provision of STP & disposal of MSW which is valid for one year. Abad Municipal Corp has submitted their reply to SCN issued by this office & stated that proposal submitted to MJP for providing STP with budget of Rs. 406 crores.Also PH extended at HQ on 27/11/2012 before MS,MPCB,Mumbai for provision of STP & proper disposal of MSW. Since reply to SCN issued by this office found unsatisfactory B. G. of Rs. 5.0 Lacs forfeited & corporation has furnished fresh B. G. of Rs. 10.0 Lacs. Recently STP of 6.0 MLD capacity near Salim Ali Lake is commissioned for treatment of sewage generated from HUDCO area of Aurangabad city
13	Scientific collection and treatment of sewage generated from MIDC Area Waluj and Chikalthana.	MIDC	3 Years	MIDC has proposed 4 MLD STP in MIDC Waluj Area for treatment of Dom eff generated from MIDC & nearby area. Work will be started shortly Consent to establish is obtained by MIDC
14	Scrapping of Percolation Tanks & artificial waterbodies in and around MIDC Area Waluj.	Irrigation Deptl & MIDC	3 Years	This office has instructed to Irrigation Department for necessary action however, the action in this regard is not taken by the

15	Treatment of Kham river water with the help of Bio-remediation technology which is flowing through Aurangabad city.	Local Body	3 Years	Not complied
16	Treatment of Sukana river water with the help of Bio-remediation technology which is flowing through Aurangabad city.	Local Body	3 Years	Not complied
17	Proper Collection of Storm Water in MIDC area Waluj & Chikalthana	MIDC	2 Years	Open road side gutters are provided along roads.
18	Installation of treatment facility waste waters generated from major hotels, laundries, vehicle service center, commercial complex, major residential complex, major marriage halls etc.	MPCB, Local Body & concerned Establishment	2 Years	This office has issued directions to 20 nos of service stations. After that 10 nos of service stations has provided ETP. Remaining service stations have not complied hence legal action is initiated against the defaulters as per legal matrix. All major hotel inds have complied. Notices are issued to major new construction projects. Recently two construction projects have applied for consent and consent to establish is granted.

Short Term & Long Term Action Plan Air Environment				
Sr. No	Description of Action Point	Implementing Agency	Proposed Time	Present Status
01	Setting of Continuous 4 AAQM Stations in MIDC Waluj, Chikalthana and Aurangabad city.	MPCB, Indus. Govt	6 Months	M/s. Orchid Chemicals & Pharmaceuticals Ltd., Plot No. L-8 (Part), L-9 & Gut No. 38 (Part), MIDC Area, Waluj, M/s. Radico NV Distilleries (Maharashtra) Pvt. Ltd., D-192 to D-195, MIDC Area, Shendra and M/s. United Spirits Ltd., A-36-41, MIDC Area, Chikalthana has agreed to install Continuous AAQM Stations & accordingly they have submitted letter recently to this office.
02	Up-gradation of existing air pollution control system provide to coal fired/Briquette fired/Bagasse fired burning equipments by wet scrubbers/ venture-scrubber/bag filters in the industries located in MIDC area Waluj and Chikalthana wherever required.	Individual Industry	3 Months	Complied
03	Direction to the industry for improving the efficiency of air pollution control system and increase in vigilance.	MPCB		50 nos. of electroplating industries have provided process emission control system, 01 no of industry have provided ESP and 01 no of industry of industry have provided wet scrubber as per directions issued by Board. Frequency of vigilance is increased.

04	Industries to provide solvent recovery system wherever applicable	MPCB, Individual Industries	6 Months	Complied- Details included in water action plan.
05	Control of air pollution due to vehicle in the area	Transport Dept.	1 Year	No response from transport Dept. and representative of Transport Dept. was not present in the meeting held in the Collectorate, Aurangabad, on 31/05/2012. Again meeting is proposed under Chairmanship of Collector, Aurangabad.
06	Stoppage of Biomass burning on open land in the area.	Local Body	1 Year	No response from authority of AMC.
07	Providing air pollution control measures during the activity of demolishing old building and new constructions	Local Body	1 Year	Most of the major construction project have started demolishing and new constructions activity in a closed manner by providing dust arresting facility at the boundary. However AMC has not submitted any communication regarding the compliance of said point till the date.

08	Traffic managements in the area	Traffic Dept. & AMC	1 Year	No response from the concern Dept. even the representatives were not present in the meeting on 31/05/2012. Again meeting is proposed under Chairmanship of Collector Aurangabad.
09	Installation of continuous Stack monitoring facility by major air polluting industries.	Individual Industry	2 Years	Not complied.
10	Changing of the fuel pattern of the industry to clean fuel.	Individual Industry	2 Years	Most of the industry have changed their fuel pattern from coal/furnace oil etc. to biomass. Some of the industries are using Bio-Gas and LPG as a fuel.
11	Checking of adulteration of fuel	Dist Adm.	2 Years	No response from concerned Dept. & it will be discussed in meeting to be held under Chairmanship of Collector Aurangabad.
12	Availability of clean fuel	Dist Adm. & Oil & Gas Companies	3 Years	No response from concerned Dept. & it will be discussed in meeting to be held under Chairmanship of Collector Aurangabad.
13	Widening of the road and square for avoiding vehicle congestion.	Local Body	3 Years	AMC has started work of widening of the road and square for avoiding vehicle congestion.

Short Term & Long Term Action Plan Land Environment				
Sr. No	Description of Action Point	Implementing Agency	Proposed Time Frame	Present Status
01	Providing the scientific collection and isolated temporary storage facility for HW in the industries	Individual Industry	2 Months	All major HW generating industries have provided isolated scientific temporary storage facility.
02	Restriction on disposal of treated effluent on land in MIDC area Waluj	MPCB	After CETP Commi	CETP commissioned and all industries falls under phase-I stage have joined CETP and discharging industrial effluent in the CETP for further treatment. Now problem of pollution due to land disposal of effluent get reduced.
03	Scientific collection segregation and storage of MSW in residential areas	Local Body	1 Year	AMC is collecting MSW from the Aurangabad city and dumping MSW at Naregaon. However AMC has not started scientific segregation treatment and disposal facility. The details regarding the action taken are included in water Env. Action plan.
04	Restriction on use of thin plastic carry bags.	Local Body	6 Months	It has been reported by the AMC authority that they have already appointed various squads within the different wards of the City for rigorous checking the usage of thin plastic carry bags, by way of imposing penalties and by forfeiting such inferior quality carry bags.

05	Scientific collection, storage and disposal of BMW generated in the area.	Local Body & CBMWTSDF	3 Months	1.187 MT/Day of BMW is generated in Aurangabad Dist. 1.187 MT/D of BMW is disposed to the CBMWTSDF
06	Providing full-fledged collection, treatment and disposal of non-hazardous solid waste generated from MIDC Area	MIDC	3 Year	Industries are disposing reusable Non-HW solid waste to reuse. However, MIDC has not provided any facility till the date.
07	Providing full-fledged collection, treatment and disposal of MSW generated from Human habitation	Local Body	3 Year	Same as point No.03
08	Soil reclamation in & around MIDC area as per guideline of NEER	MIDC, Individual Industry	3 Year	M/s. Ipcal Laboratories Ltd., Plot No. H-4, MIDC Area, Waluj and M/s. Paschim Chemicals Pvt. Ltd., MIDC Area, Waluj have reclaimed soil in their premises as per guidelines of NEER.
09	Availability of CHWTSDf at Aurangabad	MPCB	3 Years	<ul style="list-style-type: none"> Plot allotted in Shendra Indl. Area. Environmental clearance is obtained by M/s SMS Infrastructure from MOF /GOI. However installation of said facility is not started till the date

CEPI Score after action plan (Air, Water, Land)

	A1	A2	A	B1	B2	B3	B	C1	C2	C3	C	D	Total
Air	5.75	5.0	28.75	6.0	3.0	3.0	12.0	3.0	3.0	5.0	14.0	10.0	60.50
After Action Plan	3.0	5.0	15.0	3.0	3.0	3.0	9.0	3.0	1.0	5.0	8.0	10.0	36
Water	5.5	5.0	27.5	8.0	3.0	3.0	14.0	3.0	3.0	5.0	14.0	10.0	64.50
After Action Plan	3.0	5.0	15.0	5.0	3.0	3.0	11.0	3.0	3.0	5.0	11.0	10.0	50
Land	5.5	5.0	27.5	7.0	3.0	3.0	13.0	3.0	3.0	5.0	14.0	10.0	60.50
After Action Plan	3.5	5.0	17.5	5.0	3.0	3.0	11.0	3.0	3.0	5.0	11.0	10.0	50

$$\begin{aligned}
 \text{CEPI} &= \frac{\text{Initial CEPI} \times \text{Reduction}}{\text{Initial CEPI}} \\
 &= \frac{47 \times 0.55}{47} \\
 &= 54.2\%
 \end{aligned}$$

CEPI reduced from 47 to 54.2%