



Chandigarh Pollution Control Committee

Paryavaran Bhawan, Madhya Marg, Sector 19-B, Chandigarh-160 019

No. CPCC/NCAP/2020/ 6240

Dated: 11-11-2020

To

The Member Secretary
Central Pollution Control Board
Parivesh Bahawan, East Arjun Nagar
Delhi-110032

Sub: Action Plan for the Non-Attainment Towns: CPCB Directions under Section 31 A of the Air (Prevention and Control of Pollution) Act, 1981.

.....

This is in reference to your letter no. AQM/AP/2020-21/9332 dated 22nd October 2020 received from the Additional Director & Head, AQM Division on the above cited subject.

In this reference, please find the reply to the raised points as below:

1. Approved revised plan from AQMC is attached herewith as Annexure.
2. CAAQMS is not as per the CPCB criteria- As the population of Chandigarh lies in the range of 10,00,000- <50,00,000, hence 5 CAAQMS as well as 3 manual stations needs to be installed in the city. Currently, 1 CAAQMS have been installed, 2 more have been ordered after proper tendering process and will be installed by December and rest will be procured in the next financial year. In addition to it, 5 manual stations are operational in Chandigarh.
3. For the study of Source Apportionment and Carrying capacity for the city, CPCC is waiting for the reply from the CPCB for the joint study to be conducted based on the direction by Hon'ble National Green Tribunal


Debendra Dalai, IFS
(Member Secretary)

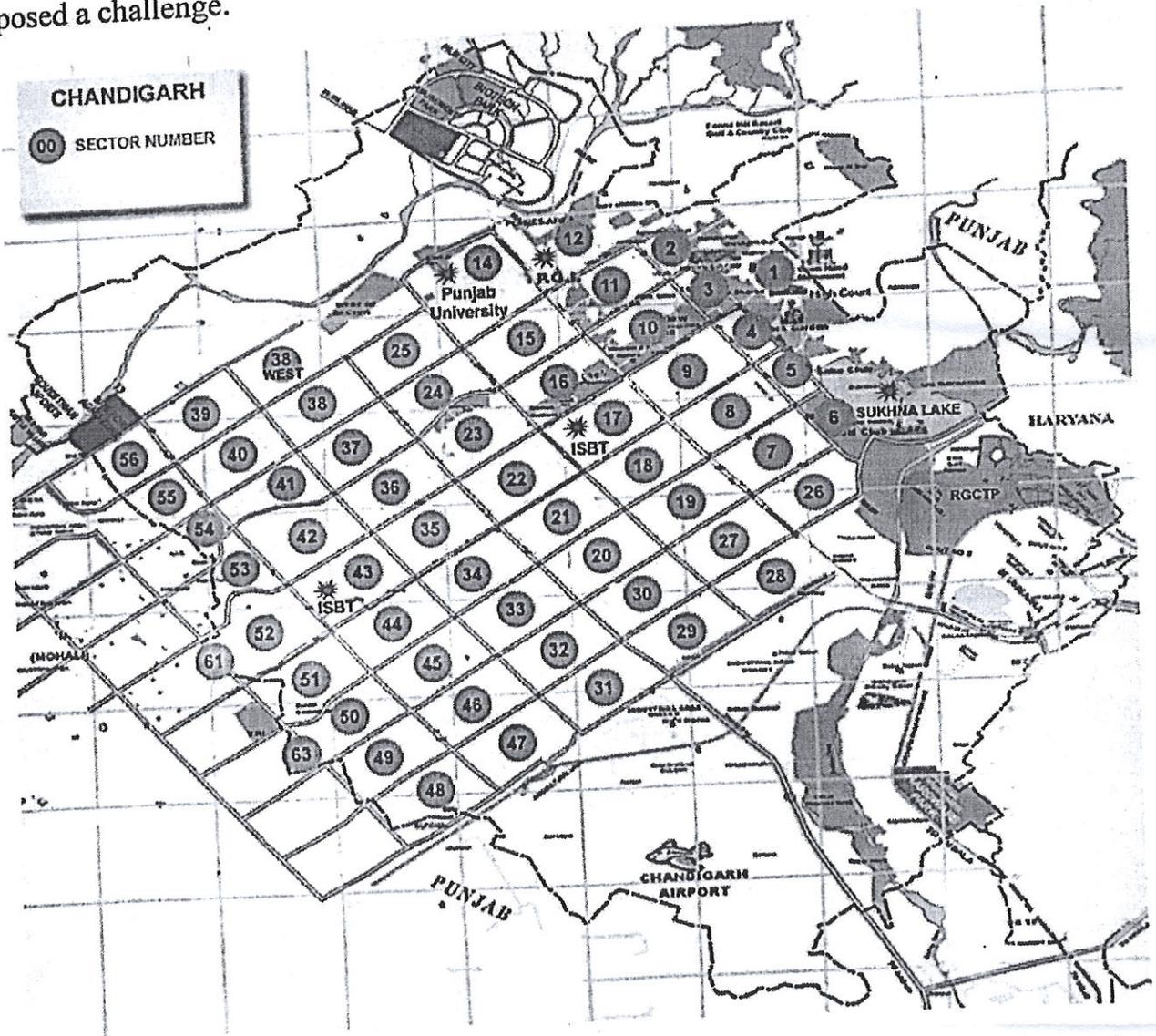


**REVISED ACTION PLAN FOR CONTROL OF
AIR POLLUTION IN NON-ATTAINMENT
CITY OF CHANDIGARH**

OCTOBER, 2019

ACTION PLAN FOR CONTROL OF AIR POLLUTION IN CHANDIGARH

Chandigarh is a well planned city known all over the world for its architecture planning and landscape. Geographical area of U.T., Chandigarh is 114 Sq.Kms. of which approx. 40.5% is Forest Area. The City was named after the mother goddess of power, *Chandi*, whose temple Chandimandir is located in the vicinity of the site selected for the city. The population of the city is approx. 12 lakhs and the number of vehicles including the floating vehicles is approx. 11.00 lakhs. The rapid increase in population and vehicles have led increase in pollution levels and thus posed a challenge.



Air pollutants are added in the atmosphere from variety of sources that change the composition of air and affect the biotic environment. The concentration of air pollutants depend not only on the quantities that are emitted from air pollution

sources but also on the ability of the atmosphere to either absorb or disperse these emission. The pollution concentration vary spatially and temporarily causing the air pollution pattern to change with different locations and time due to changes in meteorological and topographical condition. The sources of air pollutants include vehicles, industries, domestic and natural sources. The presence of air pollutants in the ambient air adversely affects the health of the population. In order to prevent and control air pollution, the Air (Prevention and Control of Pollution) Act was enacted in 1981. The responsibility has been further emphasized under Environment (Protection) Act, 1986. It is necessary to assess the present and anticipated air pollution through air quality survey/monitoring programs. Therefore, Central Pollution Control Board had started National Ambient Air Quality Monitoring (NAAQM) Network during 1984 - 85 at national level and gradually the number of stations has increased over the years. The programme was later renamed as National Air Quality Monitoring Programme (NAMP).

Chandigarh is land locked Union Territory in which there is no possibility of expansion and obviously there is no possibility of road length expansion. Studies have shown that the air quality in Chandigarh is mostly affected by the vehicular pollution of the city. The fleet of vehicles is over 2 per capita household. Chandigarh has the highest density of vehicles in India. The major contributor of air pollution in Chandigarh are as follows:-

1. Vehicular Density
2. Roadside Dust
3. burning of dry leaves
4. Litter from trees & gardens in the city
5. Operation of generator sets in certain areas adjoining the city
6. Stubble burning in specific seasons of the year in neighbouring areas of Chandigarh.

Air Quality Monitoring Committee (AQMC)

As per the orders of Hon'ble National Green Tribunal (NGT) in the matter of news item published in 'The Times of India' authored by Shri. Vishwa Mohan titled "NCAP with Multiple Timelines to Clear Air in 102 Cities to be

released around August 15” Air Quality Monitoring Committee (AQMC) has been constituting in Chandigarh comprised of the following members:-

1. The Director Environment, Chandigarh
2. The Commissioner, Municipal Corporation, Chandigarh
3. The Director Industries, Chandigarh
4. The Director Transport, Chandigarh
5. The Chief Architect, Department of Urban Planning, U.T. Chandigarh
6. The Member Secretary, Chandigarh Pollution Control Committee, Chandigarh

AQMC held its meetings on 13.11.2018 and on 11.12.2018 and discussed the matter in detail. The time target has been given to various departments for the execution of Actions proposed to control of air pollution in Chandigarh so that improvement can be seen in the air quality in near future.

has

1. Name of the city : **CHANDIGARH**
2. Air Pollution concern : **PM₁₀ & PM_{2.5}**
3. Air pollution levels: Range of 24-hourly average concentration values of PM₁₀, SO₂ & NO_x for the period 2012 to 2018 and PM_{2.5} for the period 2015 & 2018 are given in the later part of this report.
4. Months with high air pollution levels: **November, December, January**
5. Action plan:

DK

ACTION PLAN FOR CHANDIGARH BEING A NON ATTAINMENT CITY

Source group	Action	Implementation period (short/mid/long-term)	Time target for implementation	Responsible agency(ies)	Any other information	Financial implications (if any)
1	2	3	4	5	6	7
Vehicles	Launch extensive drive against polluting vehicles for ensuring strict compliance.			State Transport Authority(STA)/Traffic Police	State Transport Authority of Chandigarh Administration conducts public awareness camps with the help of Chandigarh Police from time to time. Chandigarh Traffic Police is taking strict action against polluting vehicles in the city. During this year upto 18.11.2018, 392 vehicles have been challaned for the violation of without PUC and 4009 notices under sub-section (1) of section 116 of Central Motor Vehicles Rules, 1989 have been issued for the said violation. Chandigarh Traffic Police is running a special campaign titled "Make Chandigarh Honk Free" w.e.f. 01.01.2018 which is a year long campaign. The objective of which is to make Chandigarh not just look but sound beautiful too.	NIL
	Public awareness campaign for air pollution control, vehicle maintenance, minimizing use of personal vehicle, lane discipline, etc.	Short Term	Continuing activity	State Transport Authority(STA) & Traffic Police	Chandigarh Traffic Police has informed that public awareness campaigns are regularly conducted by the Children Traffic Park (CTP). During the year upto 31.08.2016 more than 56,220 members of targeted groups (educations, villagers etc.) have been educated on road safety pamphlets/literatures have been distributed. Chandigarh Traffic Police too is regularly imparting road safety education to the general public to make them aware about road safety rules and regulation.	NIL
	Prevent parking of vehicles in the non-designed areas.			Urban local bodies & Police Dept.	Chandigarh Traffic Police, Chandigarh has informed that parking of vehicles in the non designated area is also enforced by towing vehicles and locking of wheels by wheel lock clamps. During the year upto 28.11.2018, 33781 vehicles have been challaned for the violation of wrong parking.	NIL

<p>Initiate steps for retrofitting particulate filters in diesel vehicles, when BS-V fuels are available.</p>	<p>Mid Term</p>	<p>State Transport Authority(STA) and Traffic Police</p>	<p>State Level Coordinator (Oil Industry) has informed that As per Government of India guidelines, India is going to skip adopting BS-5 norms and progress directly to adopting BS-6 norms by 2020. The steps for retrofitting of particulate filters in diesel vehicles is to be undertaken by Automotive industry under directions from Government of India as and when BS-VI fuels are available. (There is no Automobile Manufacturing Industry in Chandigarh)</p>	<p>NIL</p>
<p>Prepare action plan to check fuel adulteration and random monitoring of fuel quality data.</p>	<p>Short Term</p>	<p>Representative of Petroleum product distributor companies</p>	<p>State level Coordinator (Oil Industry), U.T. Chandigarh has informed that they are conducting random/surprise inspections of retail outlets situated in U.T. Chandigarh to check fuel adulteration and monitoring of fuel quality through Mobile Lab as well as by team of Officers.</p>	<p>NIL</p>
<p>Prepare plan for widening of road and improvement of infrastructure for decongestion of road.</p>	<p>Short Term</p>	<p>Urban Planning & Engineering Department</p>	<p>According with the recommendations of CMP-2031 Dept. of Urban Planning has issued planning for Non Motorised Vehicle (NMV) infrastructure along Vikas Marg a major arterial road in the city and for many other junction improvements for smooth crossings of pedestrian and cyclists. Further, planning for cycle tracks, footpaths along other major arterial is under progress. As per the Chief Engineer, Chandigarh Admn. the work of widening of existing road from Junction 63 to UT boundary shall be taken up shortly. 136 Kms. of Cycle tracks and footpaths have been constructed out of total 180 Kms. to segregate the non motorized vehicles from main traffic flow.</p>	<p>NIL</p>
<p>Prepare plan for construction of expressways/bypass to avoid congestion due to non-destined vehicles.</p>	<p>Long Term</p>	<p>Chandigarh Administration/Engineering Department</p>	<p>Engineering Department and Urban Planning Department U.T. Chandigarh has informed that the outer road i.e. Purav Marg & Vikas Marg within the city area already functioning the purpose of bypasses to non-destined vehicles. Dept. of Urban Planning, Chandigarh has already sent the letter to Transport Department, Chandigarh Administration to include following agendas in the next Road Safety Council Meeting: • Shared Mobility Concept and Staggered office hours as per CMP-2031.</p>	<p>NIL</p>

commercial vehicles					basis by the Dept.	
Pick and Drop facility to school children and teachers especially for govt. schools.	Mid Term	Continuing Activity	Chandigarh Transport Undertaken (CTU)	CTU is already operating 20 Nos. of buses within Chandigarh providing 40 trips (up/down) for school students and teachers.		NIL
Ban on entry of more than 15 years old commercial vehicles in Chandigarh	Mid Term	Already done	State Transport Authority	Chandigarh has already ban the 15 years old commercial vehicles in Chandigarh.		NIL
Preparation plan for green buffers along the traffic corridors.	Short Term	March 2019	Chandigarh Administration	The trees are being planted every year on the Municipal Land along the road. There is a target of plantation 5508 trees in the year 2018-19. Till date 5100 trees have been planted on the roads under the jurisdiction of Municipal Corporation Chandigarh. Rest of the trees will be planted in the month of Feb 2019.		NIL
Maintain potholes free roads for free flow of traffic	Mid Term	Continuing Activity	Engineering Department	Engineering Department, U.T. Chandigarh has informed that presently the V-1, V-2 and V-3 roads and national Highways within the jurisdiction of Chandigarh Administration are being maintained regularly as per requirement. Also routine maintenance of roads being done by Municipal Corporation Chandigarh from time to time.		NIL
Greening of open areas, gardens, community places, schools and housing societies	Mid Term	3 Years	Municipal Corporation Chandigarh & Horticulture Department	This is under the jurisdiction of Horticulture Department and Municipal Corporation, Chandigarh & Horticulture department has informed that they are maintaining the open area gardens/schools under their jurisdiction which are provided with green grass. Accordingly, Municipal Corporation, Chandigarh has informed that they are maintaining about 1800 Nos. small and big gardens/green belts and Neighborhood Parks which are provided with green grass. The lawn area of Community Centres and Primary Schools under the jurisdiction of them is provided with green grass. The remaining area will be developed as green area within 3 years.		NIL
Blacktopping road metalled.	Mid Term	Continuing Activity	Engineering Department/Municipal	All the roads under the jurisdiction of Municipal Corporation Chandigarh are carpeted with		NIL

	including pavement of road shoulders.			Corporation Chandigarh	bituminous material.	
	Road design improvement	Short term	Continuing Activity	Urban Planning & Engineering Department	The road design improvement like provision of slip roads, provision of ATC signals, Road Signage, Road Marking, Road Furniture etc. being carried out regularly as per requirement.	
	Introduce water fountain at major traffic intersection wherever feasible with the use of tertiary treated water.	Mid Term	Continuing Activity	Engineering Department	Municipal Corporation Chandigarh has informed that they have installed few water sprinkling systems along the roads at Sector 31.	NIL
	Launch extensive drive against open burning of bio-mass, crop residue, garbage, leaves, etc.				Municipal Corporation, Chandigarh has informed that they issue office order from time to time through sanitary Inspection/Head Quarter that no garbage and dry leaves are burnt in open under any circumstances. The Sanitary Inspectors are further ordered to conduct the IEC activities to educate Safai Karamchahi/ Residence as to ill effects of burning and penalty under Air Prevention Act.	NIL
Biomass and garbage burning	Regular check and control of burning of municipal solid waste.	Short Term	Continuing Activity	Municipal Corporation Chandigarh	Municipal Corporation has informed that special task force for regular checking and control of burning of municipal solid waste will be constituted. It will be managed from the available existing infrastructure. Conducting special IEC activities and special drives.	Rs. 3 Laacs
	Proper collection of horticulture waste (bio-mass) and its disposal following composting-cum-gardening.				Municipal Corporation, Chandigarh has informed that the horticulture waste collected from road berms will be handed over to Horticulture Division for preparing compost etc. Extra vehicles will be hired as per necessity during autumn season.	Rs. 30 Laacs/annum
	Construction of advanced waste management Site.	Mid Term	18 Months	Municipal Corporation Chandigarh	The Municipal Corporation Chandigarh is planning to set up Material Recovery Facility (MRF) in approximately total 3 acres out of which 1 acre will be utilized for construction of building and remaining 2 acres will be provided with CC flooring for incoming and outgoing of vehicles.	Rs. 9 Crores + Rs. 25 Crores

Other Steps	Engage with concerned authorities on continual basis for maximizing coverage of LPG /PNG for domestic and commercial cooking with target of 100% coverage.	Mid Term	Continuing Activity	Food & Supply Department	State Level Coordinator (Oil Industry) has informed that PNG supply network is being laid in Sector 48,49,50 & 51 through DRS installed at Sector 49 network is available to cater about 12000 DU's (Dwelling Units) out of which 1350 DU's have registered for PNG. Another DRS is installed at Dhanas, with a network laid for about 4000 DU's and being further expanded to cater to 10000 DU's out of which 95 DU's have registered for PNG. As D.G. set upto 1000 KVA is out of consent purview as per directions of CPCB, monitoring is being done intermittently or after receiving any complaint suitable action is taken accordingly by CPCC.	NIL
	Monitoring of DG sets and action against violations.	Short Term	Continuing activity	CPCC		NIL
	Source Apportionment (SA) and Emission Inventory (EI)	Mid Term	December 2020	CPCC		

for
Manoj Kumar
 (A.P.) Planning
 Architect,
 Department of Urban Planning

Dr. J. K. Singh
 Director,
 Department of Transport,
 U.T. Chandigarh

Dr. S. L. Singh
 Director,
 Department of Industries, U.T.
 Chandigarh

Sanjay
 Commissioner,
 for
 Municipal Corporation, Chandigarh

Dr. J. K. Singh
 Director,
 Department of Environment, Chandigarh