

3.1 Baddi -Non-Attainment Cities:

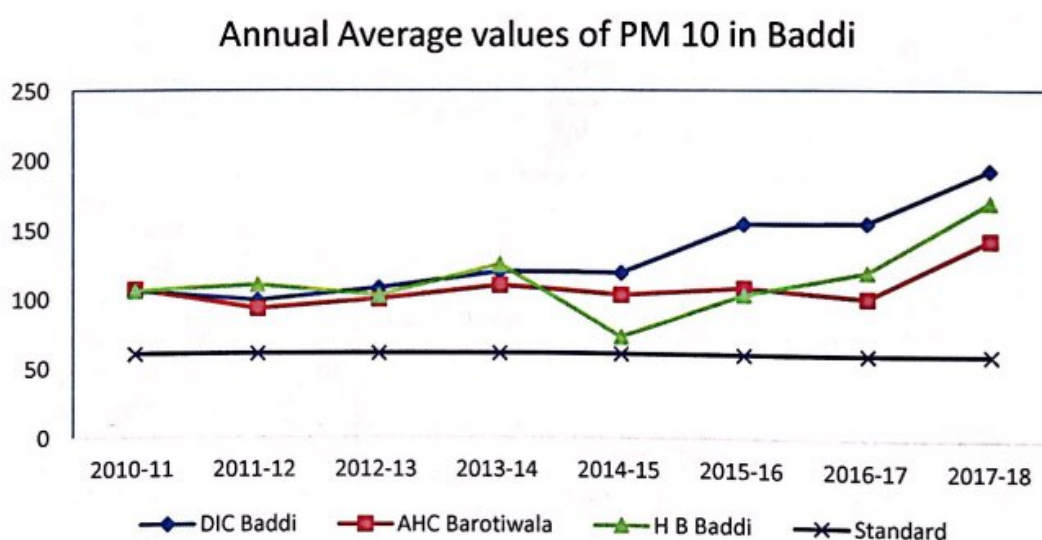
3.1.1 Introduction:

Baddi, Barotiwala, an industrial belt of district Solan in Himachal Pradesh has carved out a name for itself not only in the State of Himachal Pradesh but in North India as Asia's largest pharmaceutical manufacturing hub. It is one of the important growth centres of the economy of Himachal Pradesh having one major urban settlement, Baddi Municipal Council.

Baddi, Barotiwala and Nalagarh are the leading industrial areas with an estimated presence of approximately 2150 industrial units. The area as such has grown erratically with many industries coming up in a short span with associated anthropogenic activities, new human settlements and their environmental repercussions.

3.1.2 Ambient Air Quality Status Baddi - Non-attainment city:

Ambient air quality is being monitored at 3 locations namely DIC Baddi, AHC Barotiwala and Housing Board Baddi under National Ambient Air Quality Monitoring Program. The annual average values of SO₂ and NO_x at all the NAMP stations were observed well below the permissible limit. The annual average values of RSPM (PM₁₀) at all the three stations were observed above the permissible limit. The trends of annual average of RSPM (PM₁₀) for the last 8 years are shown below:



3.1.3 Action Plan for Baddi - Non-attainment city:

Sr. No.	Source Group	Action Point	Implementation period (short/mid long-terms)	Target Date from the date of approval	Agencies Responsible	Financial Implication (if any) in Lakhs
1.	Vehicles	Restriction on plying and phasing out of 15 years old commercial diesel driven vehicles.	Mid Term	The matter will be taken with MoRTH, GOI	Transport Department	Nil
		Regular checking of Vehicular emission and issue of Pollution under Control Certificate (PUC)	Short Term& Continuous	January 2019 & continue as regular activity	Transport Department	10.0
		Good traffic management including redirection of traffic movement.	Short Term	January 2019	Local Administration/ Traffic Police	Nil
		Ban on registration of Diesel driven auto rickshaw/Tempo	Mid Term	April 2019	Transport Department	Nil
		Promotion and Operationalization of E-rickshaw.	Mid Term	April 2019	Transport Department	Nil
		Monitoring on vehicle fitness.	Short Term & continuous	January 2019 & continue as regular activity	Transport Department/Traffic Police	Nil
		Launch extensive drive against polluting vehicles for ensuring strict compliance.	Short Term& Continuous	January 2019 & continue as regular activity	Transport Department/District Administration	Nil
		Launch Public awareness campaign for air pollution control, vehicle maintenance, minimizing use of personal vehicle, etc.	Short Term& Continuous	January 2019& continue as regular activity	State Transport Authority & Traffic Police	Nil
		Prevent parking of vehicles in the non-designed areas.	Short Term& Continuous	January 2019 & continue as regular activity	Municipal Council & Traffic Police.	Nil
		Check on fuel adulteration and random monitoring of fuel quality data.	Short Term & Continuous	January 2019 & continue as regular activity	Department of Food & Civil Supplies.	Nil

2.	Road Dust	Regular cleaning of road dust.	Short Term& Continuous	January 2019 & continue as regular activity	NHAI, PWD & Municipal Council	Nil
		Water spraying on new/kacha roads through tankers	Short Term& Continuous	January 2019 & continue as regular activity	NHAI, PWD, & Municipal Council	Nil
		Construction of pucca pavement along the roads	Long Term	June 2019	Public Works Deptt. & Municipal Council	707.03
		Tree plantation along the roads	Long Term	June 2019	PWD/Forest Department	10.0
		Development of green belt in open areas, gardens, parks/ community places, schools & housing societies	Long Term	June 2019	Forest Department and HPSPCB (PAPA)	20.0
3.	Construction activities	Covering of construction site	Mid Term & Continuous	April 2019	District Administration and Municipal Council	Nil
		Transportation of construction materials like sand, soil, stone chips etc. in covered system	Short Term & Continuous	April 2019 & continue as regular activity	District Administration, Transport Department and Municipal Council	Nil
		Restriction on storage of Construction materials along the road	Short Term & Continuous	January 2019	Municipal Council, PWD & Forest Department	Nil
		Enforcement of Construction and Demolition Waste Rules	Mid Term	April 2019	Municipal Council/ULBs	Nil
4.	Biomass and garbage burning	Restriction on open burning of municipal solid waste, Biomass, plastic, Agriculture Horticulture waste etc.	Short Term & Continuous	January 2019	Municipal Council, Agriculture, Horticulture, Forest Deptt. and BDO	Nil

		Immediate lifting of solid wastes generated and cleaning of municipal drains for its disposal	Short Term & Continuous	January 2019	Municipal Council	Nil
		Transportation of municipal solid wastes, construction materials and debris in covered system.	Short Term & Continuous	January 2019	Municipal Council	Nil
		Launch extensive drive against open burning of bio-mass, crop residue, garbage, leaves, etc.	Short Term & Continuous	January 2019	District Administration, Agriculture Deptt., Municipal Council, RD and HPSPCB	Nil
		Regular check and control of burning of municipal solid waste and display of hoardings.	Short Term & Continuous	January 2019	HPSPCB & Municipal Council	2.0
		Ambient Air Quality Monitoring of Municipal Dumping sites and parks	Short Term & Continuous	January 2019	HPSPCB	Nil
		Action Plan to minimise the forest Fire	Mid Term & Continuous	April 2019 & continue as regular activity	Forest Department	Nil
5.	Industries	Identification of Air polluting industries and their regular monitoring including use of designated fuel and closure of unauthorized units.	Mid Term	April 2019	HPSPCB	Nil
		Ensuring installation and operation of air pollution control devices in industries.	Short Term & Continuous	January 2019	HPSPCB	Nil
		Ensuring emission standards in industries.	Short Term	January 2019	HPSPCB	Nil
		Restriction on using un-authorized fuel in boilers	Mid Term	April 2019	HPSPCB	Nil
		Conversion of Brick Kiln to Forced/Induced Draft	Mid Term	April 2019	HPSPCB	Nil

		Action against non-complying industrial units.	Short Term & Continuous	January 2019	HPSPCB	Nil
		Disposal of Boiler ash & other non-hazardous wastes into the designated dumping sites	Short Term & Continuous	January 2019	HPSPCB	Nil
		Fugitive emission control	Short Term & Continuous	January 2019	HPSPCB	Nil
6.	Traffic & Transportation Management	Restriction on movement of goods vehicles in certain areas during day time and peak hours	Short Term & Continuous	January 2019	Municipal Council & Traffic Police	Nil
		Action to check visibly polluting vehicles through routine checking	Short Term & Continuous	January 2019 & continue as regular activity	Transport Department, Traffic Police	Nil
		Action to check overloaded vehicles.	Short Term & Continuous	January 2019 & continue as regular activity	Transport Department, Traffic Police	Nil
		Ensuring commercial vehicles carrying husk, sand, construction debris etc. are properly covered.	Short Term	January 2019	Transport Department, Traffic Police	Nil
7.	Strengthening of AAQM monitoring	Installation of one CAAQMS at Baddi from the MoEF/CPCB financial Assistance	Long Term	August 2019	HPSPCB	150.0
		Up-gradation of existing NAMP Stations for monitoring of 12 parameters from the MoEF/CPCB financial Assistance	Long Term	June 2019	HPSPCB	50.0
8.	Public Awareness	Issue of advisory to public for prevention and control of air pollution	Short Term	January 2019	HPSPCB	2.0
		Involvement of school and other academic institution in awareness program	Short Term	January 2019	HPSPCB	1.5

3.1.4 Monitoring mechanism for implementation of action plan in Baddi Non-attainment city:

A committee comprising of following officers shall be responsible for implementation of approved action plan for the control of air pollution in the respective area and shall submit its report to the AQMC on monthly basis.

1. Deputy Commissioner/District Magistrate, Solan	Chairman
2. Superintendent of Police, Baddi	Member
3. CEO, BBND, Baddi	Member
4. Sub Divisional Magistrate, Nalagarh	Member
5. Regional Transport Officer, Nalagarh	Member
6. Executive Engineer, HPPWD, Nalagarh	Member
7. Dy. Director, DIC Baddi	Member
8. DFO, Forest Department, Nalagarh	Member
9. Deputy Director, Department of Agriculture, Solan	Member
10. EO, Municipal Council, Baddi	Member
11. Regional Officer, HPSPCB, Baddi	Member Secretary



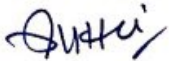
Dr. Des Raj Sharma
Director Agriculture



D. C. Rana,
Director Env., Science and Tech.



Dr. R. K. Pruthi
Director Urban Development



Dr. R. K. Pruthi
Member Secretary
HP State Pollution Control Board



Capt. J. M. Pathania
Commissioner Transport



Hans Raj Sharma
Director Industries