

**Dayanand education society's
Dayanand Science college latur**
NATIONAL AMBIENT AIR QUALITY MONITORING PROGRAMME
Since 2008

Run by

Department of Industrial Chemistry

Funded by

Maharashtra Pollution Control Board Mumbai

Project Detail:

Central Pollution Control Board is executing a nation-wide programme of ambient air quality monitoring known as National Air Quality Monitoring Programme (NAAQMP). The network consists of 793 operating stations covering 344 cities/towns in 29 states and 6 Union Territories of the country. In Maharashtra there are 17 cities and Latur city is one of them.

Parameter Monitoring	RSPM SPM,NOx,S02
Monitoring Status	Two Day Each Station
Operating RDS Machine	Three
Monitoring Station	1)Residential - Dayanand Science College,Latur
	2)Commercial - GanjGolai, Latur
	3)Industrial - M.I.D.C. Water Plant, Latur

Aim of the project:

- To measure air pollutants levels in different parts of Latur city
- To find out emission of SO₂ and NO_x by projection analysis
- To find out emission of Suspended Particulate Matter (SPM)
- (SPM =R.S.P.M.+ N.R.S.P.M.)

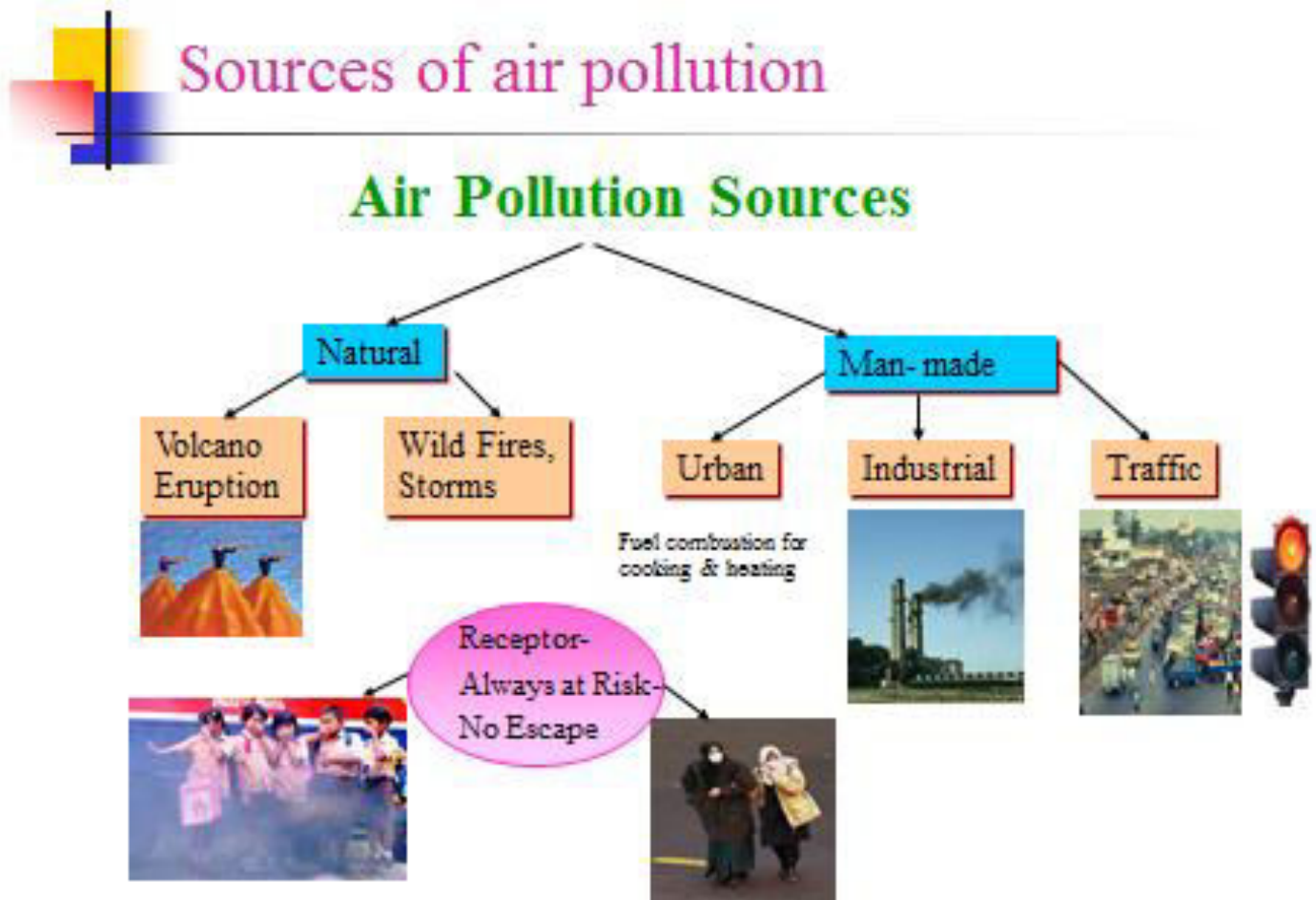
What is ambient Air?

“Ambient air is the outdoor air in which humans and other organisms live and breathe”

- Air normally has no color, odor, or taste. It is a mixture of gases, primarily nitrogen, at about 78%, and oxygen, at about 21%, with the remaining 1% composed of carbon dioxide, methane, hydrogen, argon, and helium.
- Human activities, such as manufacturing and the burning of fossil fuels, cause changes in the chemical composition of ambient air through the release of chemical and industrial pollutants into the atmosphere.

What is mean by Air Pollution?

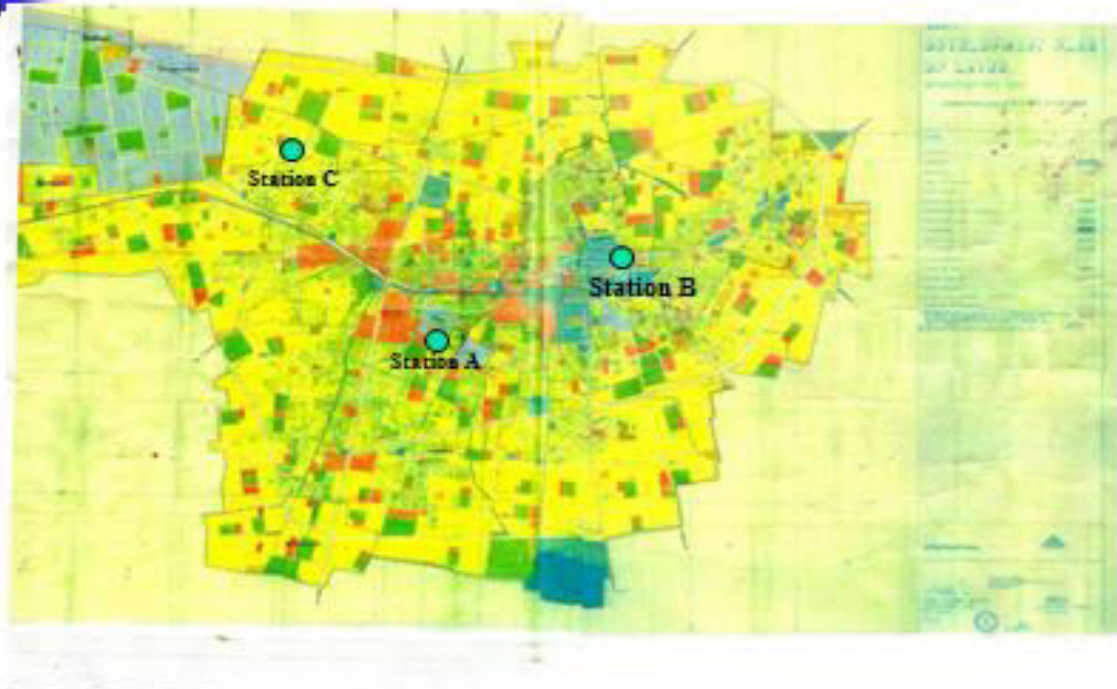
“The presence of one or more contaminants such as gas, smoke, suspended particulate matter or vapors in outdoor atmosphere in quantities and so as to be injurious to human, plant or animal life or to property or which unreasonably interferes with the comfortable enjoyment of life and property is known as air pollution”



Stations:

- We operate High Volume Reparable Dust Sampler machine (RDS machine) at different locations of city
- These stations are classified according to the rule.
- At three different station RDS machine works.
- Station A- Sensitive area Site is at Dayanand Science College Latur.
- Station B- Residential area Site is Bhalchandra Blood Bank Ganjgolai, Latur
- Station C- Industrial area Site is at M.I.D.C. Water works, Latur

Ambient Air Quality Monitoring Stations



Outcomes of the Project:

1. Maharashtra Pollution Control Board Mumbai has study the Air Analysis report which Forwarded by Dayanand Science College Latur, and on basis of our report Board prepared an action plan and submitted to Municipal Corporation Latur with Suggestions and ideas for implementation the activities to reduce the Air Pollution under the observation of Regional Officer MPCB Aurangabad & Sub Regional Officer MPCB Latur.
2. This project Financial helpful to student to complete their further Education
3. Students get the experience of Air pollution Research while working on this project.
4. This project beneficial to students to achieve the opportunities of various jobs in

Mostly Industrial sector and Pollution Board.

Status: Overall Average Result From 2015 to 2021

Parameter	Station A (Dayanand Science College Latur)	Station B(Bhalchandra Blood Bank Latur)	Station C(M.I.D.C.latur)
SO ₂	Below the Normal Range of CPCB slandered	Below the Normal Rangeof CPCB slandered	Below the Normal Rangeof CPCB slandered
NO _x	Below the Normal Range of CPCB slandered	Belowof theNormal Range of CPCB slandered	Below the Normal Range of CPCB standered
RSPM	Near Normal Range	Below Normal Rangof CPCB slandered e	Slightly Belowof CPCB slandered Normal Range
SPM	above normal range	Above normal range	Below normal range

Result: Department of Industrial Chemistry of the Dayanand Science College is the analysis of RSPM,SPM,NO_x SO₂under this project and prepare the report every month. This analyzed parameter data submitted to Maharashtra Pollution Control Board Mumbai.

Analysis of SO₂ is carried by West &Gaeke method.

Analysis of No₂ is carried by Jacob &Hochheiser method

NAAMP Co-ordinator:Dr.J.S.Dargad (Principal Dayanand Science College,Latur)

Co-cordinator:Dr.A.M.Chougule (Head Department of Industrial Chemistry)

NAMP Project Staff

There are one scientific assistant and three field assistants are working under this project on remuneration as per Maharashtra pollution control board norm

Swami A.R.	Junior Scientific Assistant
Vyawhare A.M.	Field Assistant
More P.M.	Field Assistant
Bansude N.V.	Field Assistant

Photo





Mr.Akash Swami, Mr.Amol Vyawahare,Mr. Niranjan Bansude,Mr. Prasad More NAAQMP Staff Workars changes filter paper on site and working in NAAQMP laboratory at Dayanand Science College Latur



Mr.Prasad More and Niranjn Bansude changes filter paper on RDS machine at Monitoring Station A

Financial Assistance received of the following staff members from 2015-2021

2015-2016

Name	Designation	Remuneration
Dhekane N.S.	Junior Scientific Assistant	12000 per month
Walmiki C.M.	Field Assistant	8000 per month
Wagh M.A.	Field Assistant	8000 per month
Gaikwad K.R	Field Assistant	8000 per month

2016-17

Name	Designation	Remuneration
Dhekane N.S	Junior Scientific Assistant	12000 per month
Walmiki C.M.	Field Assistant	8000 per month
Wagh M.A.	Field Assistant	8000 per month
Yenjane R.V.	Field Assistant	8000 per month

2017-2018

Name	Designation	Remuneration
Dhekane N.S	Junior Scientific Assistant	12000 per month
Swami A. R. .	Field Assistant	8000 per month
Wagh M.A.	Field Assistant	8000 per month
Vyawhare A. M.	Field Assistant	8000 per month

2018-2019

Name	Designation	Remuneration
Dhekane N.S	Junior Scientific Assistant	12000 per month
Swami A. R. .	Field Assistant	8000 per month
Wagh M.A.	Field Assistant	8000 per month
Vyawhare A. M.	Field Assistant	8000 per month

2019-2020

Name	Designation	Remuneration
Dhekane N.S	Junior Scientific Assistant	12000 per month
Swami A. R. .	Field Assistant	8000 per month

Wagh M.A.	Field Assistant	8000 per month
Vyawhare A. M.	Field Assistant	8000 per month

2020-2021

Name	Designation	Remuneration
Swami A. R.	Junior Scientific Assistant	12000 per month
Vyawhare A. M.	Field Assistant	8000 per month
More P.M.	Field Assistant	8000 per month
Bansude N.V.	Field Assistant	8000 per month

**Details of operation & Maintenance Charges for NAAQM Programme
Funded by Maharashtra Pollution Control Board Mumbai
Grant Received & Grant Utilized.**

Sr. No	Letter no.	Period	Grant Received	Grant Utilized
1	MPC BOARD, MUMBAI MPCB 496, Ch.15.02.2008 Rs.4,91,000/-	01.04.2008 TO 31.03.2009	4,91,000/-	4,91,035/-
2	MPC BOARD Aurangabad MPCB ROA/ALC 2107/2009 ,03.11.2009 Rs.3,52,500/-	01.05.2009 TO 30.10.2009	3,52,500/-	3,52,644/-
3	MPC BOARD Aurangabad MPCB ROA/2369/2010, 02.08.2010 Rs.6,81,000/-	01.11.2009 TO 30.11.2010	6,81,000/-	7,01,010/-
4	MPC BOARD Aurangabad MPCB ROA/1488/2011, 05.08.2011 Rs.6,90,900/-	01.12.2010 TO 30.11.2011	6,90,900/-	6,90,959/-
5	MPC BOARD Aurangabad MPCB ROA/2055/2012, Rs.6,90,900/-	01.12.2011 TO 30.11.2012	6,90,900/-	6,91,028/-
6	MPC BOARD Aurangabad MPCB AB/2012, 31.03.2013 Rs.6,90,900/-	01.12.2012 TO 30.11.2013	6,90,900/-	6,91,468/-
7	MPC BOARD Aurangabad MPCB Rs. 2,87,875/-	1.12.2013 TO 30.04.2014	2,87,875/-	2,88,252/-
8	MPC BOARD Aurangabad MPCB ROA/303,2015, 07.02.2015 Rs.6,33,325 /-	01.05.2014 TO 31.03.2015	6,33,325 /-	6,44,231 /-
9	MPC BOARD Aurangabad MPCB ROA/1644, 28.08.2015 Rs.3,45,450/-	01.04.2015 TO 30.09.2015	3,45,450/	3,49,494/-

10	MPC BOARD Aurangabad MPCB ROA/239/2016, 20.02.2016 Rs.3,45,450/-	01.10.2015 TO 31.03.2016	3,45,450/	3,49,340/-
11	MPC BOARD Aurangabad MPCB ROA/1042/2016 16.09.2016	01.04.2016 To 30.09.2016	3,45,450/	3,46,149/-
12		01.10.2016 To 31.03.2017	3,45,450/-	3,53,563/-
13		01.04.2017 To 30.09.2017	3,45,450	3,45,717/-
14		01.10.2017 To 31.03.2018	3,45,450	3,45,461/-
15		01.04.2018 To 30.09.2018	3,45,450	3,45,131/-
16		01.10.2018 To 31.03.2019	3,45,450	3,46,773/-
17		01.04.2019 To 30.09.2019	3,45,450	3,48,960/-
18		01.10.2019 To 31.03.2020	3,45,450	3,49,217/-
19		01.04.2020 To 30.09.2020	3,45,450	3,45,668/-
20		Budget for Purchasing RDS Machines Dated 01/01/2020	3,85,860	Order Placed
21		01.10.2020 to 31.3.2021	3,50,830	3,45,668
22		1.04.2021 to 31.09.2021	4,76,850	Till period not completed
	Total		95,31,890	87,21,768

O & M Payment status:

MPC Board Mumbai sanctioned 4, 76,850 towards O & M charges for every six Month.

Co-Coordinator NAAQM
Dr. A.M. Chougule

IQAC Co-ordinator
Dr. S.S. Bellale

Principal and Co-ordinator NAAQM
Dr. J.S. Dargad