

**Latur City  
Air Pollution Control  
Action Plan**

**ACTION PLAN FOR CONTROL OF AIR POLLUTION IN  
NON-ATTAINMENT CITIES OF MAHARASHTRA**

**LATUR**



**MAHARASHTRA POLLUTION CONTROL BOARD**

**KALPATARU POINT, 3<sup>rd</sup> Floor,**

**Sion-Matunga Scheme Rd. No.8,**

**Opp. Sion Circle, Sion (East),**

**Mumbai-400 022.**

**Action Plan for Control of Air Pollution in Non-Attainment Cities of  
Maharashtra**

**Latur**

**1. Preamble:**

Latur district is in the Marathwada region in Maharashtra in India, located between 17°52' North to 18°50' North and 76°18' East to 79°12' East in the Deccan plateau. It has an average elevation of 631 metres (2,070 ft) above mean sea level. The entire district of Latur is on the Balaghat plateau, 540 to 638 metres from the mean sea level. Latur District is bound by Nanded District to the northeast; the state border with Karnataka to the east and southeast; Osmanabad District to the south-west; Beed District to the west; and Parbhani District to the northwest.

**Climate**

Average rainfall in the district is 600 to 800 mm. This is usually during the monsoon months from July to October. Moderate temperatures are mainly observed. The rainfall is unpredictable in tune with the Indian monsoon. Summers begin from early March to July. Summers are dry and hot. The temperature ranges from 24 °C to 39.6 °C, though at the peak they may reach 41 °C. November to January is the winter season. Temperatures at the peak drop to single digits but usually they hover around 13.9 °C to 21.8 °C sometimes lowers up to 11 °C. January to March are the months with moderate temperatures.

**Demographics**

In the 2001 Indian census, Latur had a population of 2,080,285. Males constituted 52% and females 48% of the population. Latur had an average literacy rate of 72%, higher than the national average of 59.5%, with male literacy at 77%, and female literacy at 63%. In 2001 in Latur, 14% of the population was under 6 years of age. For every 1000 males age 6 and older, there were 935 females.

**2. Air Quality Status of Latur:**

The graphical expression of air quality monitored at Latur, is shown as below:

# Latur - MIDC Water Works

Table: Data for Monthly average reading recorded at MIDC Water Works - Latur

Station Name	year	Month	Average of SO <sub>2</sub>	Average of NO <sub>x</sub>	Average of RSPM	
			50	40	60	
MIDC Water Works - Latur	2017	Apr	6	19	119	
		May	6	19	81	
		Jun	5	16	42	
		Jul	5	16	43	
		Aug	5	19	69	
		Sep	5	19	64	
		Oct	6	24	66	
		Nov	6	21	76	
		Dec	6	22	100	
		2018	Jan	6	25	107
			Feb	6	23	110
			Mar	6	25	116

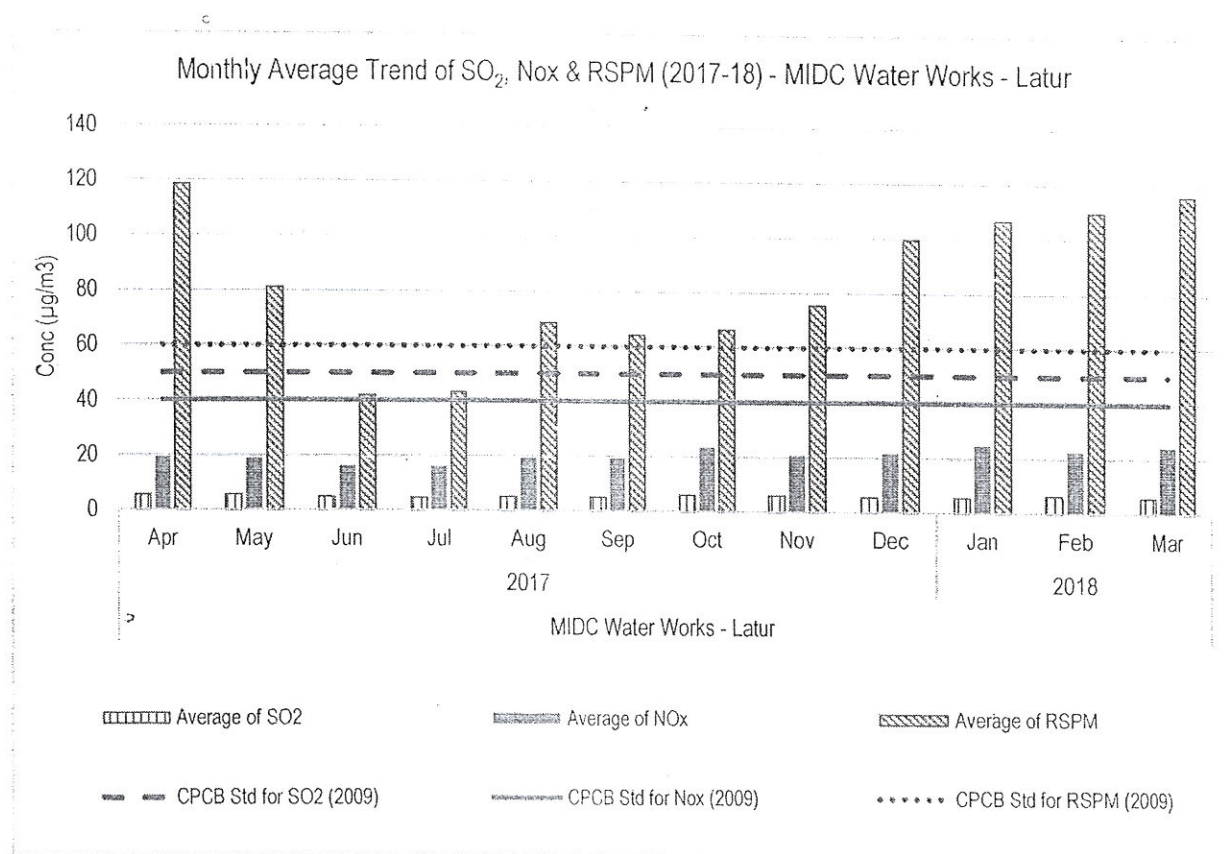
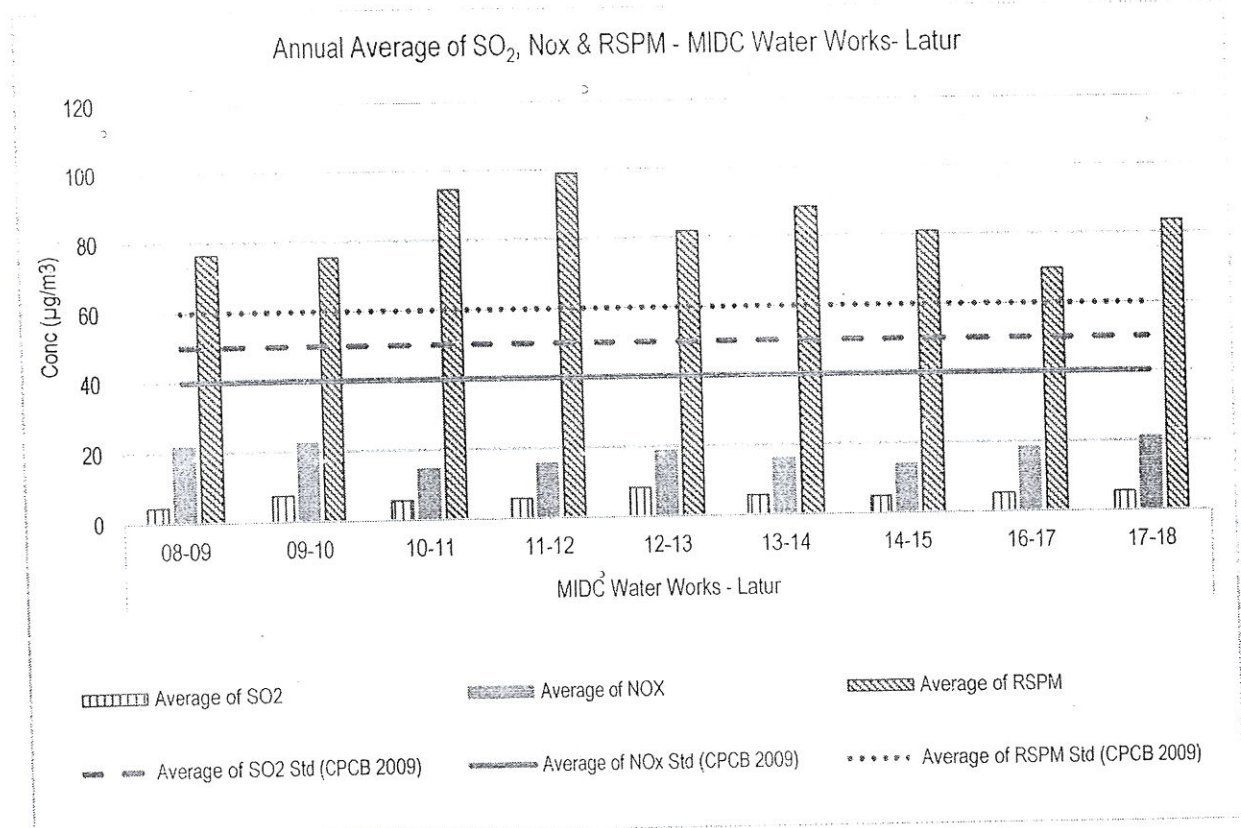


Figure: Monthly average reading recorded at MIDC Water Works – Latur

**Table: Data for Annual average trend of SO<sub>2</sub>, NO<sub>x</sub>, and RSPM at MIDC Water Works - Latur**

Station Name	year	Average of SO <sub>2</sub>	Average of NO <sub>x</sub>	Average of RSPM
		50	40	60
MIDC Water Works - Latur	08-09	4	22	77
	09-10	7	22	76
	10-11	6	15	95
	11-12	6	16	99
	12-13	8	19	82
	13-14	6	16	88
	14-15	5	14	81
	16-17	5	18	70
	17-18	6	21	84



**Figure : Annual average trend of SO<sub>2</sub>, NO<sub>x</sub>, and RSPM at MIDC Water Works - Latur**

# Latur - Shyam Nagar - Kshewraj Vidyalaya

Table: Data for Monthly average reading recorded at Shyam Nagar-Kshewraj Vidyalaya

Station Name	year	Month	Average of SO <sub>2</sub>	Average of NO <sub>x</sub>	Average of RSPM
			50	40	60
Shyam Nagar-Kshewraj Vidyalaya	2017	Apr	6	20	98
		May	6	19	75
		Jun	5	17	47
		Jul	5	17	55
		Aug	5	20	74
		Sep	5	20	53
		Oct	6	23	92
		Nov	6	21	88
		Dec	6	23	98
	2018	Jan	6	24	94
		Feb	6	23	121
Mar		5	24	114	

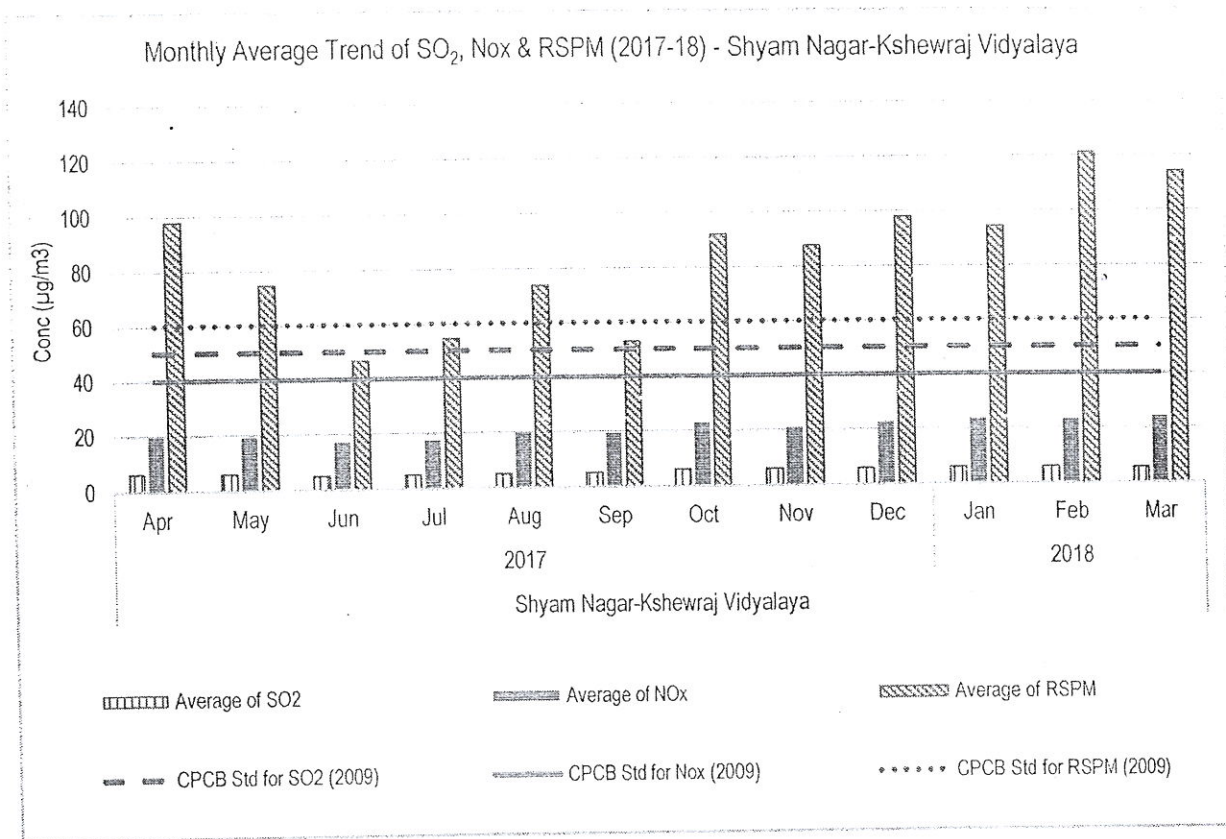


Figure: Monthly average reading recorded at Shyam Nagar-Kshewraj Vidyalaya

Table:Data for Annual average trend of SO<sub>2</sub>, NO<sub>x</sub>, and RSPM at Shyam Nagar-Kshewraj Vidyalaya

Station Name	year	Average of SO <sub>2</sub>	Average of NO <sub>x</sub>	Average of RSPM
		50	40	60
Shyam Nagar-Kshewraj Vidyalaya	08-09	3	16	99
	09-10	6	19	123
	10-11	6	13	139
	11-12	6	14	124
	12-13	7	19	105
	13-14	7	17	95
	14-15	5	14	89
	15-16	5	15	85
	16-17	5	18	72
17-18	6	21	84	

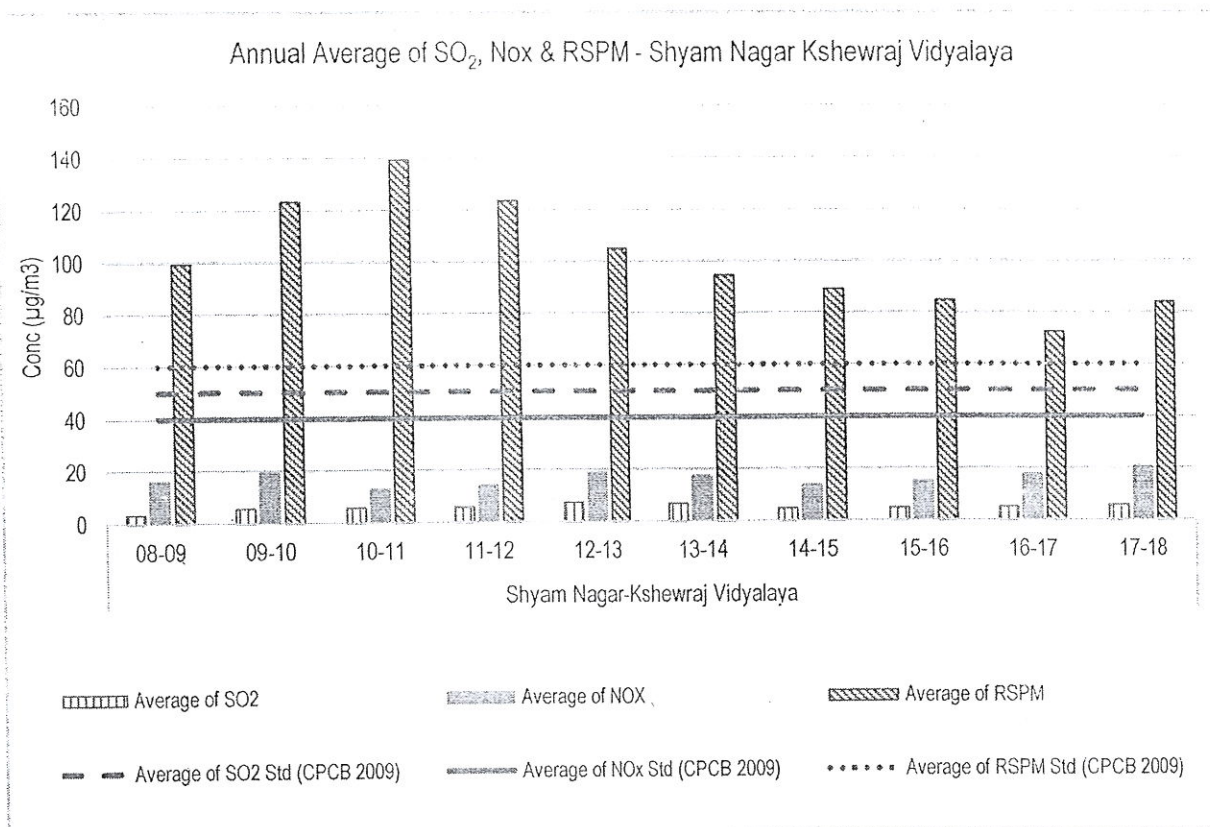


Figure : Annual average trend of SO<sub>2</sub>, NO<sub>x</sub>, and RSPM at Shyam Nagar-Kshewraj Vidyalaya

# Latur - Ganj Golai - Sidhsheshwar Bank

Table: Data for Monthly average reading recorded at Ganj Golai- Sidhsheshwar Bank

Station Name	year	Month	Average of SO <sub>2</sub>	Average of NO <sub>x</sub>	Average of RSPM
			50	40	60
Ganj Golai - Sidhsheshwar Bank	2017	Apr	6	20	98
		May	6	20	94
		Jun	5	17	57
		Jul	5	18	53
		Aug	5	20	44
		Sep	5	20	43
		Oct	6	25	51
		Nov	6	22	85
		Dec	6	22	92
	2018	Jan	6	25	96
		Feb	6	23	122
		Mar	6	25	106

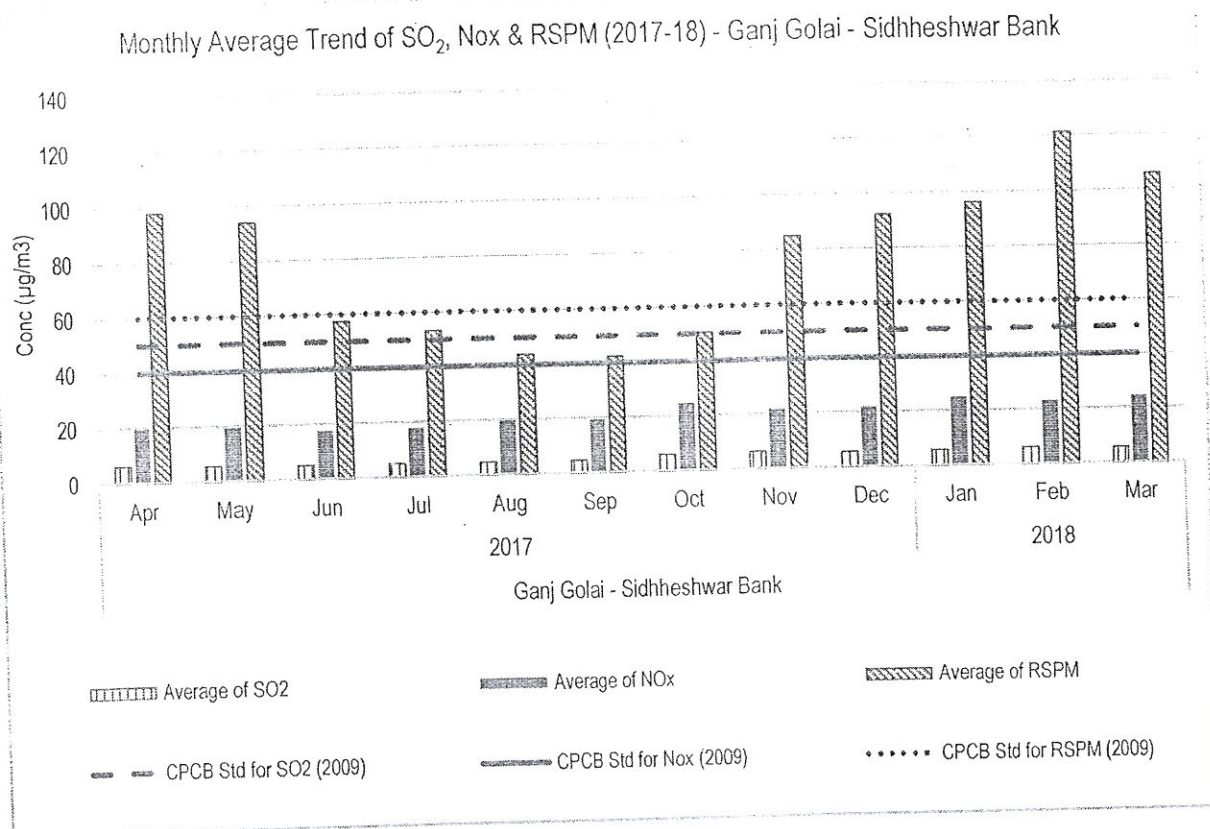


Figure: Monthly average reading recorded at Ganj Golai- Sidhsheshwar Bank



Table: Data for Annual average trend of SO<sub>2</sub>, NO<sub>x</sub>, and RSPM at Ganj Golai- Sidhsheshwar Bank

Station Name	year	Average of SO <sub>2</sub>	Average of NO <sub>x</sub>	Average of RSPM
		50	40	60
Ganj Golai - Sidhsheshwar Bank	08-09	4	22	122
	09-10	6	26	144
	10-11	6	16	124
	11-12	6	17	140
	12-13	8	20	132
	13-14	7	18	107
	14-15	5	14	73
	15-16	5	17	80
	16-17	6	18	65
	17-18	6	21	78

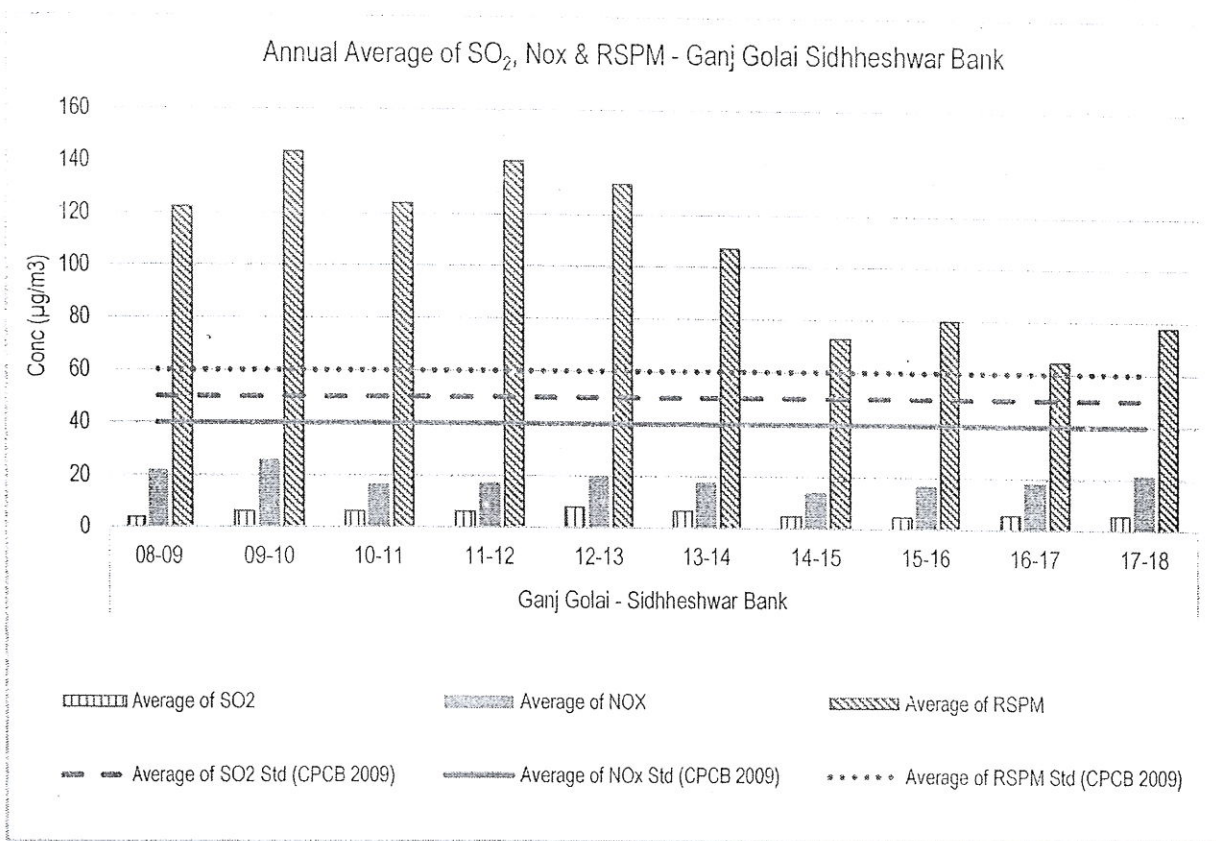


Figure: Annual average trend of SO<sub>2</sub>, NO<sub>x</sub>, and RSPM at Ganj Golai- Sidhsheshwar Bank

### **3. Monitoring Mechanism for Implementation**

The aforesaid action plan shall be implemented by Maharashtra State Pollution Control Board with coordination of concern departments/stakeholders.

### **4. Implementation status**

The Chief Secretary, Govt. of Maharashtra to convene the meetings with different concerned departments and direct for compliance of directions for implementation of air quality of Amravati. The Principal Secretary, Environment and Forest, Govt. of Maharashtra to also convene the meeting for follow up of the aforesaid directions. The Maharashtra Pollution control Board continuously conducted the meetings with all stakeholders for preparation of comprehensive action plan for city and its implementation.

Suggested Template for Development of Action Plan for Control of Air Pollution in Non-attainment Cities

Sl.No	Source group	Control option	Expected reduction and impacts	Technical feasibility	Requirement of financial resources	Implementation period (short/mid/long-term)	Time target for implementation	Responsible agency(ies)	Any other information
		Monitoring Mechanism						Latur City Municipal Corporation has an Environment Cell (details attached) every 3 months the cell will meet and examine the implementation. Commissioner-Head and MPCB RO/SRO-Meeting Convener of Environment Cell	
1	(i) Vehicle emission	Launch extensive drives against polluting vehicles for ensuring strict compliance	Moderate	Feasible	Not needed	Short (on each 22nd each month & more rigorous campaigns during winter months)	Start 2018		With involvement of local Colleges & NGOs
	(ii)	Launch public awareness campaigns for air pollution control, vehicle maintenance, minimising use of personal vehicles, lane discipline etc.	Moderate	Feasible	Not needed	Short (Regular bimonthly campaigns on 15th & rigorous monthly campaigns during winter months starting October)	Start 2018		With involvement of Colleges & NGOs
	(vi)	Prepare action plan for widening of road and improvement of infrastructure for decongestion of Roads.	High	Feasible	Yes, 8 crores	Main Road widening (in progress) Long term	2018-2021	PWD, LCMC, MRDC, Traffic	1 flyover, 4 bypass roads around the city in form of circle
	(vii)	Prepare Plan for the construction of expressways/bypass to avoid congestion	Moderate	Feasible	Yes	Mid (in progress)	2020 completion	MRDC, NHAI, PWD	MSH 3 four laning and upgradation into NH 361
	(viii)	Steps for Promoting Battery operated vehicles - infrastructure and charging stations for e-rickshaws	Moderate	Feasible	Yes, 1 crores	Short	2017-2018	LCMC, Transport, Traffic, RTO	E-rickshaws allowed since 2016 <a href="https://timesofindia.in/diaindian.com/city/nagpur/HIC-questions-GR-allowing-e-rickshaws-in-only-6-districts/articleshow/53659280.cms">https://timesofindia.in/diaindian.com/city/nagpur/HIC-questions-GR-allowing-e-rickshaws-in-only-6-districts/articleshow/53659280.cms</a>
	(xi)	Installation of Remote Sensor based PUC systems	Moderate	Not Feasible till next few years	Yes	Mid - Long term	2020 onwards	Traffic, RTO	16 Approved PUCs

Suggested Template for Development of Action Plan for Control of Air Pollution in Non-attainment Cities

Sl.No	Source group	Control option	Expected reduction and impacts	Technical feasibility	Requirement of financial resources	Implementation period (short/mid/long-term)	Time target for implementation	Responsible agency(ies)	Any other information
	SCS-3	Provide good public transport system	High	Feasible	Yes, 10 crores	In operation		LCMC	Latur Municipal Transport 18 buses on
	SCS-7	Electric / Hybrid Vehicles	Moderate	Feasible	Not needed, borne by consumers	Mid	2018-2019	Automobile firms	Discussed under E-Rickshaws
	SCS-8	OE-CNG for new public transport buses	Moderate	Feasible in next few years	Yes for laying of pipelines	Mid	2019-2020	LCMC, Oil & Gas companies	Latur already
	SCS-10	Bio-diesel (BS/B10: 5 – 10% blend)	High	Feasible	Yes to be considered by firms	Short- Mid	2018-2020	LCMC, MPCB, BIS, Fuel firms	considered for
	SCS-15	Restrict commercial vehicles entering city by having ring roads	Moderate	Feasible	Yes	Mid-Long	2020	LCMC, MSRDC, PWD, RTO	licence bid by
									PNGRB
2	I	Resuspension	High	Feasible	Yes, 5 crores	Short (in progress)	2018	JMC Horticulture, NGOs, Forest Dept	<a href="https://timesofindia.in/date/2018/07/19/angabad/citys-wait-for-cng-continues/articleshow/58900777.cms">https://timesofindia.in/date/2018/07/19/angabad/citys-wait-for-cng-continues/articleshow/58900777.cms</a>
	II	Maintain Pothole Free Roads for Free Flow Traffic	High	Feasible	Yes	Regular		LCMC, MSRDC, PWD	To be covered under CSR funds from companies
	III	Introduce water fountains at Major Traffic Intersection, wherever feasible	Moderate	Feasible	Not needed	Short (in progress)	2018	NGOs, industry association	Campaigns, Students, NGOs, Citizen forums
	IV	Greening of open areas, garden, community places, schools and housing societies	Moderate	Feasible		Regular		LCMC Horticulture, NGOs, Forest Dept	

Suggested Template for Development of Action Plan for Control of Air Pollution in Non-attainment Cities

S/NO	Source group	Control option	Expected reduction and impacts	Technical feasibility	Requirement of financial resource	Implementation period (short/mid/long-term)	Time target for implementation	Responsible agency(ies)	Any other information
3	(i)	Launch extensive drive against open burning of biomass, crop residue, garbage, leaves etc.	High	Feasible	Not needed	Short	Regular basis start 2018	LCMC, NGOs, Colleges	
		Regular check and control, of burning of Municipal Solid waste	High	Feasible	Yes	In Progress	By 2020	LCMC	
	(iii)	Proper collection of organic waste and its disposal following composting –cum –gardening approach	High	Feasible	No, covered under 14th Commission	In Progress	By 2020	LCMC	LVC to provide 100MT Mechanical Processing unit for treatment & disposal of Common Bio Medical Waste Treatment, Storage, Disposal facility
		Biomedical waste	High	Feasible	Yes			LCMC	
	Industry	Identification of Brick Kiln and their regular monitoring including use of designated fuel and closure of unauthorized units	Moderate	Feasible	Not needed	In progress		LCMC, MPCB	Tehsildar Latur already closed 100 brick kilns units near Latur city
	(iii)	Action against non-complying industrial units	High	Feasible	MPCB's role	Regular	Regular	MPCB, MIDC	MPCB SRO issues directives and notices
	SCS-4	Promoting cleaner industries	High	Feasible		In progress	2019	MPCB, MIDC	7 Dal Mill & Oil extraction refinery units have provided
	SCS-8	Installation/ Upgradation of air pollution control systems	High	Feasible		In progress	2019	MPCB, MIDC	Sugar Industry has provided ESP
	SCS-10	Regular audit of stack emissions for QA/QC	High	Feasible		In progress	2019	MPCB, MIDC	
5	(i)	Enforcement of construction & demolition rules	Moderate	Feasible			Start 2018	LCMC	As per tender given to Jan-Adhar Sevabhavi Sanstha Latur the contractor has to
		Control measures for fugitive emissions from material handling, conveying and screening operations through water sprinkling, curtains, barriers and suppression units	High	Feasible		Short	2018	LCMC	
	SCS-3	Ensure carriage of construction material in closed /covered Vessels	Moderate	Feasible		Short	2018	LCMC	
		Establishment of a Continuous Air Quality Monitoring station within the city	High	Feasible	Yes, 2 crores	Medium	2018	LCMC and MPCB	
10	Other (city specific)								