

### Action Plan: Non Attainment City, Ujjain (M.P.)

Source group	Action	Implementation period (Short/Mid/Long-term)	Time target for Implementation	Responsible agency (ies)	Remark / Present Status
1	2	3	4	5	6
<b>A) Vehicles</b>	1. Restriction on plying and phasing out of 15 years old Commercial diesel driven vehicles.	Long	12 months	RTO	<p>1) Restriction on 15 years old commercial diesel driven vehicles is related to government policy matter</p> <p>2) Diesel based public transport like Tempo 500 were phased off &amp; CNG running's 3435 Auto Rickshaws , 400 Magic &amp; 196 Car/Van , 32 Bus &amp; 250 Battery operated E-Rickshaws are promoted.</p>
	2. Introduction of cleaner fuels (CNG/LPG) for Vehicles.	Mid	6Months	RTO	<p>1) Four CNG Filling Stations for CNG Operated vehicle.</p> <p>2) CNG running's 3435 Auto Rickshaws , 400 Magic &amp; 196 Car/Van , 32 Bus &amp; 250 Battery operated E-Rickshaws are operated.</p> <p>3) All the remaining</p>

					city Buses, Auto Rickshaw etc. Shall be converted to CNG based.
	3. Regular checking of vehicular emission and issue of Pollution under Control Certificate (PUC).	Long	12 Months	RTO & Traffic Police	Regular activity of RTO. There are 8 PUC check centers & some more centers i.e. at all the 22 petrol pumps & authorized 9 workshops are required to strengthen. Roaster for regular checking of vehicular emission & not having valid PUC certificate should be panelized.
	4. Good traffic management including re-direction of traffic movement to avoid.	Mid	6 Months	Traffic Police	<p>Several steps were already taken for Good traffic management to Synchronize traffic movements like new, widening of the roads approx. 225 km., Construction of flyover bridges &amp; bypasses road. 14 new bridges were also constructed namely :-</p> <p>(A) Bridges of Kshipra river i.e. Narsinghat, parallel to Badapool, Rinmukteshwar, Okhleshwar, behind Mangalnath, Kamed Nallah &amp; behind</p>

					<p>Shantipalace, Railway Bridges i.e. Chintaman Railway crossing, MR-10. Vikram Nagar, MR-5, Dalda Factory, Zero Point (Freeganj to Agar road) &amp; on inner ring road.</p> <p>B) Fly over bridges i.e. Chintaman road (inner ring road) Badnagar road (inner ring road). C.C. TV Cameras were also provided at all highly traffic &amp; city entrance point.</p>
	5. Ban on registration of Diesel driven auto-Rickshaw /Tempo.	Short	3 Months	RTO	Diesel based public transport like 500 Tempos was phased off. While 3435 Auto Rickshaws, 400 Magic & 196 Car/Van, 32 Bus were switch to CNG fuel.
	6. Promotion and operationalization of E-rickshaw.	--	--	RTO	Completed & Battery operated E-Rickshaws 250 are running in city.
	7. Development of Multi-layer	Long	12 Months	MCU	Completed & Multi – layer parking is under construction at Gopal

	parking.				Mandir area of city & it is likely to operational within few months and one proposed in Mahakal Mandir area due to traffic congestion.
	8. Retrofitting of particulate filters in diesel driven vehicle.	Long	12 Months	RTO	It is related to government policy matter (below BS-III Standard.)
	9. Checking of fuel adulteration	--	--	District Adm. , Food Dept.	Completed Continuous activity. Food controller, Ujjain is conducting regular checks every 03 month. Defaulter petrol pumps have been prosecuted in the fuel adulteration cases. Inspection of petrol pumps is included in routine activity of Food Controller, Ujjain.
	10. Monitoring on vehicle fitness.	Short	3 Months	RTO & Traffic Police	It is a regular activity & being done by RTO. Further MPPCB, RTO. & Traffic Police are regularly checking the vehicular exhaust emission. In year 2017-18 out of 1246 vehicle monitored by MPPCB 6 was exceeded.

	11.Periodic calibration test of vehicular emission monitoring instrument	--	--	MPPCB & RTO	Completed and It is a regular activity & being done by MPPCB & RTO.
<b>B) Road Dust</b>	1. Regular cleaning of road dust.	--	--	MCU	Work completed Continuous activity. 1) Regularly in each ward of city road cleaning were done by the staff of MCU 2) MCU has 2 nos. of mechanized, sweeping machines for road cleaning.
	2. Water spraying on road through tankers	--	--	MCU	Completed and Whenever needed water spraying on road is carried out. Specially it is done before religious procession & monuments washing.
	3. Construction of pucca pavement along the roads.	Mid	6 Months	PWD & MCU	Most of approx 225 Km. main road, Internals Road, Ring road and by pass of the city are subjected to blacktopping or metaled road including pavement of road shoulders were already done during Simhastha – 2016 & work for remaining

					roads are in progress.
	4. Tree plantation along the roads.	Long	12 Months	Forest Dept. & MCU	<p>Continuous regular activity.</p> <p>1) More than 1.75 Lacs tree were planted at open area garden , Parks, Community place, Bank of Kshipra &amp; along Road side during SIMHASTHA – 2016</p> <p>2) More Than 1 Lacs tree already planted along Bank of River Kshipra upto August 2018 onwards &amp; further plantation is in progress.</p>
	5. Development of green belt in open areas, gardens, parks/ community places, schools & Housing societies.	Long	12 Months	Forest Dept. & MCU	<p>Continuous regular activity.</p> <p>1) Municipal Corporation has already developed most of the Garden in the city &amp; work in remaining Gardens/Parks is going on.</p> <p>2) More than 1.75 Lacs tree were planted at open area, garden , Parks, Community place, Bank of Kshipra &amp; along</p>

					Road side during SIMHASTHA – 2016
	6. Introduction of water fountains at major traffic intersection/ Golambar/circle.	Long	12 Months	MCU	Water fountains at 18 major traffic intersections are developed in the Ujjain city. The identification for commissioning of water fountains is being carried out.
<b>C)Construction activities</b>	1. Covering of construction site.	--	--	MCU	Completed and the covering of construction site is made compulsory in City & on the non compliance of provision the penalty is already in rules.
	2. Transportation of construction materials like sand, soil, stone Chips etc. in covered system.	Mid.	6 Months	MCU, RTO , District Adm. & Traffic Police	Continuous activity. Construction material should be covered during transportation as per MCU Rules & on the non - compliance of the provision the Penalty is already in Rules. MCU has proposed facility for C&D waste on payment basis in compliance of C&D Rules 2016.
	3. Restriction on storage of Construction materials along the road.	--	--	MCU	Completed. Continuous activity. The storage of construction material is already banned

					along the road side & on the non - compliance of the provision the penalty is already in rules.
<b>D) Biomass and garbage burning</b>	1.Restriction on open burning of municipal solid waste, Biomass, plastic horticulture waste etc.	--	--	MCU	Completed. Continuous activity. Regular door to door services for the collections of MSW is carried out. MCU has issued order to prevent all types of open burning waste. Heavy fine imposed for garbage burning. Ujjain has been Awarded for 17 th Clean City Of India in 2018 swachhatta survey. The burning of biomass, crop residue, garbage, plastic, leaves etc. are already strictly monitored & prohibited.
	2. Immediate lifting of solid wastes generated from de- silting and cleaning of municipal drains for its disposal.	--	--	MCU	Completed Continuous activity. It is already in practice to lift solid & other types of wastes by mechanically. Ujjain has been Awarded for 17 th Clean City Of India in 2018 swachhatta survey.
	3.Transportation of municipal solid wastes, construction materials and	Short	3 Months	MCU	Continuous activity. The Construction materials are transported in vehicles



	debris in covered system.				in which some of them are covered & on the non -compliance of provision the Penalty is already in rules.
	4. Ensuring promotion & use of cleaner fuel for commercial purposes like local Dhaba/eateries	Long	12 Months	Food Dept., District Adm., & oil company.	The Avantika Gas Ltd. PNG pipe line is already laid in the most of the part of city & its connection were provided for commercial purpose also & commercial LPG cylinder all using by them. 18 Dhaba/eateries are violating
<b>E) Industries</b>	1.Ensuring installation and operation of air pollution control devices in industries	Mid	6 Months	MPPCB	Continuous activity. Two industries issued notice for up –Gradation & one has deposited BG and 27 Poha units to switch over fuel from husk to gas based. Monitored by performing regular inspection & air monitoring.
	2.Ensuring emission standards in industries	Short	3 Months	MPPCB	Regular regulation work already being implemented by monitoring& compliance of standard.
	3.Adoption of cleaner technology in	--	--	MPPCB	Completed .More then 100 Brick Kiln already shifted from Ujjain city

	brick kilns				and at present there is no brick kiln in municipal city area.
	4. Shifting of polluting industries,	--	--	MPPCB & Industry Dept.	Completed & Presently such types of polluting industries are not in the city area.
	5. Ban on polluting industries	--	--	MPPCB & Industry Dept.	Completed & no highly air polluting industries permitted in the city. Presently such types of polluting industries are not in the city area. Therefore there is no need for such action.
<b>F) Strengthening of AAQ monitoring</b>	1.Installation of CAAQMS at Ujjain	--	--	MPPCB	Completed & One CAAQMS is already working at Mahakal Temple Ujjain since July 2017 with LED display arrangement.
	2. Source apportionment study	Long	12 Months	MPPCB	Study proposed. The AQI of Ujjain city is observed in “Satisfactory Category”
<b>G) Public Awareness</b>	1.Issue of advisory to public for prevention and control of air pollution	--	--	MPPCB	Continuous activity. Completed and Advisory to public for prevention and control of air Pollution given time to time especially during Diwali festival also.
	2.Involvement of school and other	Mid	6 Months	MPPCB	MPPCB is regularly conducting public awareness programmers.

	academic institution in awareness program				Workshop, drawing competition awareness camps, free vehicular emission checking camps, pamphlets distribution with the help of school and other academic Institution
<b>H) Others</b>	1. Compliance of guidelines on D.G. sets and action against violation	Short	3 Months	MPPCB	Continuous activity. For Control of Air & Noise Pollution from the D.G. Sets the canopy & suitable venting arrangements are provided manufacturing level. No DG sets are allowed to be operated in city Ujjain without having appropriate canopy. Boards already have Laboratory to monitor complaint against D.G. set & 25 DG's are having no canopy so action is taken as per rule.
	2. Help line to oversee non-compliances on Aforesaid issues.	--	--	MPPCB & MCU	Completed and Public helpline is already existing & operational

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