
MICROPLANFOR AIR QUALITY MANAGEMENT OF NON- ATTAINMENT CITY NAGPUR



NAGPUR MUNICIPAL CORPORATION
Administrative Building, Mahanagarpalika Marg, Civil Lines, Nagpur — 440001



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1. Basic Information

Name of Non-Attainment City Nagpur
State/Union Territory Maharashtra
Name of Nodal Officer at PCB/PCC Municipal commissioner, NMC
Email-Id mconagpur@gov.in
Contact Number 0712- 2567001
Date till which progress is submitted July 2021

Action Point Code	Sector	Total number of actions proposed 2019-22	Number of actions completed	Number of actions under progress/ to be done
CB	Capacity Building, Monitoring Network and Source Apportionment	7	4	3
PO	Public Outreach	8	4	4
RD / C&D	Road Dust and Construction & Demolition	22	16	6
VE	Vehicles	16	8	8
IP	Industries			
BB / DF	Waste and Biomass-Dumping and Burning	8	6	2
AQ	Air Quality Data	8	8	0



2. Capacity Building, Monitoring Network, and Source Apportionment

Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
CB	Capacity Building								200 lakhs	
CB1 Air quality management cell	Establishment of air quality management cell	Air Quality Management Cell (AQM cell) has been established and is functional at NMC.	Established	--	--	Completed	--	No		
CB2 Training modules for capacity building	Proposal on “Capacity building and technical assistance for Air Quality Management” was received from CSIR-NEERI.	Proposal sanctioned	March 2023	--	--	Details are given in training calendar	--	No	25 lakhs (for two years)	Agreement needs to be signed.



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
Air Quality Monitoring Network and Source Apportionment in Nagpur City										
CB3 CAAQMS	- Installation of 1 CAAQMS is established & functional at GPO Square Nagpur. Monitoring is being done by RO MPCB. - Installation of 3 CAAQMS has been approved under NCAP. Proposed locations are VNIT, LIT & GMC. Project being implemented by MPCB.	1 existing + 3 proposed	4 Nos.	--	--		--	No		
CB4 Manual Stations	03 Manual Stations are established and are functional at following locations: - Institution of Engineers - MIDC Hingna, Nagpur - Govt. Polytechnic, Sadar, Nagpur	Already established and working		--	--		--	No		
CB5 Source Apportionment	Emission inventory is already done by NEERI. Interim report on source	Completed		--	--		--	No		



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StudyandEmission Inventory	apportionment has been prepared by NEERI in January 2020.									
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Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Annual Target/ Frequency	Field Type	Attachment	Remarks
Review of the proposed activities									
CB6	Constitution of City Level Implementation Committee at ULB Level	Committee constituted and functional	Done	--	--		--	No	Chairman: Municipal Commissioner, Member Secretary: Regional Officer, MPCB
CB7	Conduction of city level review meetingscommittee is functional and meetings are held on 06.12.2019 10.01.2020 01.10.2020 24.06.2021	Recently one meeting was conducted on 24-06-2021 and minutes of the meeting were circulated	Review of activities and suggestions for bottlenecks faced during implementation	--	--	6 meetings/ year	--	No	The meetings were attended by the representatives of MPCB, CSIR-NEERI, RTO, Smart City and other concerned departments. All MOM were submitted to MPCB and all the attending institutions. Provisions should be made for hiring permanent



									manpower for the implementation
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3. Public Outreach

Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
PO	Public awareness about air pollution, its control and health effects						Regular activity			Rs. 50 Lakhs	Additional Rs. 50 Lakhs allocation is required
PO1	Daily public awareness is being carried out through variable messaging system (VaMS) at 53 different sites in Nagpur City, apart from daily displaying of weather and air parameters slogans such as drive less and drive wise are also being displayed.	Completed (Continues Process)		--	--	Nov-21	Regular activity	--	No		
PO2	Public Grievance Redressal System NMC has created separate link for complaints regarding Air Pollution on Nagpur live City in grievance redressal system. (www.nmcnagpur.gov.in)	Completed	Via NMC portal	--	--		Regular activity	--	No		

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Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
PO	Public awareness about air pollution, its control and health effects										
PO3	Public Display of Awareness Video	Video is prepared, short film is under preparation	Display on LEDs at traffic junctions, Local News channel, Bus stops, Railway stations, Metro stations, Airport etc.	--	--	October 2021	365 days Regular activity	--	No		
PO4	Social Media Platforms	Under progress	Display on social platforms	--	--	October 2021	Once in a month	--	No		
PO5	Issue public advisory for prevention and control of air pollution	Under progress	Display in Newspapers	--	--	August 2021 to March 2022		--	No		



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target / Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
PO	Public awareness about air pollution, its control and health effects										
PO6	Deeper public engagement Awareness programs at schools, colleges, public gardens, community places, housing societies etc	Under progress		--	--	September 2021 to March 2022	Regular activity	--	No		
PO7	Flyers preparation on dos and don'ts on air pollution, its control and health effects	Under progress	Display in notice boards of public and private offices, schools, colleges, public gardens, community places, housing societies etc.	--	--	December 2021	Regular activity	--	No		



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
PO	Public awareness about air pollution, its control and health effects										
PO8	1) NMC & NGO Jointly have conducted various workshops& awareness programs for stakeholders and doing various activities in Mohalla / Area to create Deeper public engagement and consultation with respect to prevention of air pollution.	Completed (Continues Process)		--	--			--	No		



4. Road Dust and Construction & Demolition

Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD1	Road Dust										
RD 1.1	- Purchase of 2 nos. Mechanical sweepers under NCAP. - NMC has proposed 08 Nos. of Mechanical Sweepers under 15th FC grant.	LOA issued to continental Engines Pvt. Ltd., Gurgaon for supply of 2 nos. of Mechanical sweepers under NCAP. Under administrative approval.	Procurement and deployment of 20 nos. of mechanical sweepers on city roads	--	--	October 2021		--	No	Rs. 2.00 Cr. (2 nos.) sanctioned under NCAP, Rs. 8 Crores (8 nos.) were earmarked under 15 th FC grant	Nagpur Municipal Corporation need 10 more mechanical sweepers apart from the existing proposed 10 sweepers (Total 20 No., two sweepers per administrative zone) for the entire sweeping work of Nagpur City



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Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD 1.2	Regular cleaning of street surfaces to suppress dust	3465.84 kms. of road cleaned regularly.	All roads to be cleaned with mechanical sweepers/ manually.	--	--	Regular Activity		--	No		
RD 1.3	Identify road stretches with high dust generation within city	Work under progress	To deploy pollution prevention measures.	--	--	12 months		--	Yes	Fund allocation is to be done.	Based on emissions and grid wise air quality data hotspots need to be identified. Grid wise city map in Annex. RD 1.3

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Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD 1.4	Prepare plan for construction of diversion ways/bypasses to avoid congestion due to non-destined vehicles.	• Various Traffic congestion hot spots have been identified. • Construction of Expressway/ bypass & flyover to avoid traffic congestion at Pardi, Kamptee Road is in progress. • Flyover atkoradi road, sadar, Ajni to Airport&, Manish nagar is open for traffic. • Construction of flyover at university campus to wadi square is in planning stage.	Identification of traffic hotspots. • Construction of Expressway / bypass & flyover	--	--	24 months	Continuous process	--	No		



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Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD 1.5	The NMC's hot mix department collected data of potholes from 10 zones for repairing the craters and bad surface layers in coming days.	Total 6115 Nos. 94961.11 sq. m. of potholes/road (2020-21), total 1965 Nos. 32296 sq. m. of potholes/road (Jan -June 21), were repaired in different parts of Nagpur city.	NMC has undertaken works of repairing damaged parts of road.	--	--	It is a continuous process		--	No	0.5 Cr were earmarked under 15 th FC grant	If any requirement to repair the potholes in NMC zonal level/newspaper cutting/apps/view Grievance/portal to NMC Hot Mix Plant.
RD 1.6	Black-topping of unpaved road	NIT has undertaken works of Rs.1578.50 Lacs for blacktopping of metalled Roads including pavement of Road shoulders in Nagpur city.	Completed	--	--	Regular activity		--	No		Fund allocation for further activities to be done



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD1.7	End-to-end paving of the road	Completed	Already done for majority of the roads and ongoing for the present roads under construction.	--	--	Regular activity		--	No		Fund allocation for further activities to be done
RD1.8	Construction of new Roads	Phase: - II roads almost completed. Phase I & III: -Balance work in progress	Total length of proposed concrete road - 120.04 kms Phase I - Total length 25.194 kms, completed 15.83 kms Phase II- Total length 55.42 kms completed 52.13 kms Phase III - Total length 39.43 kms. Work in progress = 22.30 kms. Completed 7.00 Km.	--	--	Regular activity		--	No		Fund allocation for further activities to be done



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD 1.9	Proposed Road and junction development at Bajaj Nagar Square and Medical Square	Primary Survey done		--	--	6 months		--	YES		2.02 Cr estimate for Bajaj Nagar Square. Details are in Annex. RD1.9
RD 1.10	Introduce water fountain at major traffic intersections	In progress	- NEERI has submitted proposal of organic Light Tower inclusive of water sprinkler at highly polluted hot spots. - Pilot project is under	--	--	October 2021		--	No	Rs. 1.00 Cr. Sanctioned for water sprinkler under NCAP.	



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			approval stage.								
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Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD1.11	Kelibag road	Purchase orders of Rs. 25,70,13,456/- placed, Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		Details are in Annexure RD1.11
	Old Bhandara Road	Purchase orders of Rs. 17,23,34,166/- placed, Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		
	Model Mill Square to RamjiPahelwan Square	Purchase orders of Rs. 23,72,01,710/- placed, Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		
	Ajni	Purchase orders of Rs. 99,04,70,110/- placed, Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		
	Somalwada	Purchase orders of Rs. 1,99,92,712/- placed, Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		

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	Pardi	Purchase orders of Rs. 42,76,63,561/- placed, Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		
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Action Point Code	Action Points	Present status	Target	Targe t date	Deviati on from Approved Action Plan Target	Duratio n	Annual Target/ Freque ncy	Field Type	Attach ment	Total Allocate d Fund	Remarks
RD1.11	Bhandewadi	Work in Progress	Land acquisition, Road widening	--	--	12 months		--	YES		Details are in Annexure RD1.11



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD2	Creation of green cover										
RD2.1	Development of green corridors along traffic corridors, landscaping road dividers and their maintenance	4.5 km length of traffic corridor is developed under NCAP. Total 39584 sq. m. area is covered under PPP.		--	--	18 months		--	Yes	Rs. 1.9 Cr were allocated under NCAP. Rs. 2 Cr. were earmarked under 15 th FC grant.	Details are given in Annexure
RD2.2	Development of green spaces in open areas of city	Total 57202 trees were planted from 2019-2021		--	--	Regular activity		--	Yes	3 Cr. were earmarked under 15 th FC grant.	Details are given in Annexure



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RD2	Creation of green cover										
RD2.3	Development of Green buffer along crematoria	NMC has prepared proposal	Development of green buffer along periphery of 13 crematoria in the city	--	--	18 months		--	No	2 Cr. were earmarked under 15 th FC grant.	Proposal is under administrative approval
RD2.4	Builders should leave 25%/33% area for green belt in residential colonies is mandatory		Mandatory condition has been imposed in Environment Clearance & Consent to establish	--	--	Regular activity		--	No		Green belt development in open spaces and public utility areas is being followed

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Action Point Code	Action Points	Present status	Target date	Deviation from Approved Action Plan Target	Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
RD2.5	Greening at the solid waste processing plant	16700 no. of trees are planted at the peripheral area of Bhandewadi	--	--	Plantation done in the peripheral area of Bhandewadi solid waste processing plant			--	No		
RD2.6	Implementation of maintaining at least 33% forest cover area in the city in master plan	Greening under NCAP is being done.	--	--	Greening proposed with Miyawaki			--	No		
RD2.7	Greening at residential, community places, schools and housing societies	8533 no. of saplings were distributed to housing societies, citizens and others from March – July 2021	--	--		Regular activity		--	No	Rs. 3 Cr. Allocated under 15 th FC	



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
C&D	Construction & Demolition										
C&D 1.1	Enforcement of C & D waste management rule			--	--	Regular activity		--	No		DPR has been prepared by NMC for management of C&D waste. The proposal is under administrative approval. MPCB HQ issued direction on 12/03/2018 for implementation and compliance of Construction and Demolition Waste Management Rules 2016. Under Environment Protection Act (Revised 2018) Schedule-I Section 106 and 107, the letter has been issued to the various depts. Pertaining to better construction practices in NMC limits.
C&D 1.2	Restriction of material storage along the roads, construction sites etc.	NMC had deployed Nuisance detection squad (NDS) for management of C & D waste burning		--	--	Regular activity		--	No		
C&D 1.3	Ensure transportation of construction materials in covered vehicles	Directions have been given to concerned department to comply the rules	As per present status	--	--	Regular activity		--	No		
C&D 1.4	Use of green screens, side coverings of digging sites	Directions as per U/s31a Air Act has been given to the concerned department		--	--	Regular activity		--	No		



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
VE1	Improve and Strengthen PUC programme										
VE1.1	Authorized Pollution under Control Certificate (PUC) Centres for PUC checking of vehicles in the city	A total of 109 PUC centres are currently operational in Nagpur (61 Petrol and 48 Diesel PUC Centres)		--	--	Regular Activity	--	--	No		Proposal is requested from RTO, Nagpur in the city level committee meeting held at NMC on 24-06-2021
VE 1.2	Regular checking of Vehicular emission and issue of Pollution under Control Certificate (PUC)	A total of 245173 PUCs has been issued during the FY20-21		--	--	Regular Activity	--	--	No		Same as above
VE 1.3	Linking of PUC centres with the online Remote server of Transport department.	Work completed	109 PUC Centres to be linked with remote server	--	--		--	--	No		Same as above



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
VE 1.4	Impose penalty, and launch extensive awareness drive against polluting vehicles.	Period: 2020 – 2021 602 challan issued against expired PUC. Fine collected: Rs 536000/-		--	--	Regular Activity	--	--	No		Same as above



5. Vehicles

Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
VE2	Clean fuel and fuel quality										
VE2.1	Introduction of CNG buses for public transport which will reduce plying of private vehicles on road and help to curb air pollution from diesel buses	85 buses shifted to CNG from diesel (50 already running on road and 35 under RTO approval stage)	228 buses proposed for Conversion to CNG	--	--	18 months	--	--	Yes		- Fund allocation for the remaining work is to be done. - Details are given in Annex. VE 2.1 - Quantification of emission reduction is under progress.
VE2.2	Battery operated vehicles like E-rickshaw/E-Cart	2907 E-vehicles already registered and running in Nagpur which includes 2673 E-Rickshaw (P) and 234 E-Rickshaw carts (G)		--	--		--	--	No		Quantification of emission reduction is under progress.



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
VE 2.3	Use of Bio-ethanol in the city/urban transport system/waste to energy.	- Regular Activity 2 pumps of each BPCL and IOCL. - Capacity: 3 Lakh Litres/per month.	Petrol with 10% Ethanol blending is sold out through oil companies (IOC, BPCL, HPCL) at all the pumps of the district. It is being directed by Ministry of Petroleum & Natural Gas (MOPNG).	--	--	--	--	--	No		Each pump in the district is facilitated by VRS (Vapour Recovery System) which controls the pollution from petrol vapours.
VE2.4	Check on fuel adulteration and random monitoring of fuel quality data	5 percent retail outlet tanks. Sampling done per month.	5% retail outlets per month	--	--	--	5% retail outlets per month (Regular Activity)	----	No		Checking of fuel adulteration has been done in coordination with RTO & Anti adulteration cell.



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
VE3	Parking Management										
VE 3.1	Zone-wise parking management plan is prepared. Following places are identified. Gandhi Bagh Park, ST Bus Stand (Off-Street, Waha Road Parking (Off street), Sitaburdi Market (Off-Street), Mangalwari Bazar Rd (On-Street), Tehsil Karyalay (On-Street), Eternity Mall Road (On-Street)	12 months	7 Parking areas to be developed Development proposals under review Presently 56 parking spaces in the city are accommodating approx. 15615 cars and 75744 two-wheelers.	--	--	--	--	--	Yes	Fund allocation to be done. Details are in Annex. VE3.1	
VE 3.2	Development of Multi-level parking	Work completed	Multilayer parking has been constructed by NIT near pilli river & variety Square Burdi.	--	--	--	--	--	No		
VE 3.3	Prevent parking of vehicles in the non-designated areas	Vehicles penalised 44719 (year 2019-20), 22500 (year 2020-21), 17039 (year 2021 till date)				Regular Activity			No		



Action Point Code	Action Points	Present status	Target	Target date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
VE4	Strengthening of Public Transportation (Nagpur Metro Rail Project)										
VE4.1	38.215 Km metro corridor, 38 stations and 2 Depots	Till date about 21 metro stations are in operation covering about 20 km stretch.	The 11 metro stations of Reach-1 (Khapri to Sitabuldi) and 10 metro stations of Reach-3 (Lokmanya Nagar to Sitabuldi) are operational.	----	--	--	--	--	Yes		Average ridership Jan 19-Dec 19: 1698/ day, Jan2020-March 2020: 5434/day, October2020-December 2020: 7195, Jan21-June-21:8724
VE4.2	Existing and proposed Parking lot details		- Reach-1 (Khapri to Sitabuldi): a. Cycle parking- 302 b. 2-wheeler parking: 535 + 275 (Sitabuldi-Glocal mall) c. 4- wheeler parking: 118 + 275 (Sitabuldi-Glocal mall) d. Specially abled people: 16 - Reach-3 (Lokmanya Nagar to Sitabuldi): a. Cycle parking- 205 b. 2-wheeler parking- 211 c. 4- wheeler parking- 15 d. Disable people- 9	--	--	--	--	--	Yes		Little Wood is a forest developed by Maha Metro on a 24-hectare piece of land, near Ambazari, Hingna Road. As many as 5,500 trees have been planted here – preserving both the natural beauty and the existing plants. Annex. VE4.1, VE4.2, VE4.3.



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VE4.3	Infrastructur e development for decongestion on roads	Completed	4 km Bicycle Tracks are prepared at various locations in city by Metro Rail. At present about 600 bicycles are deployed in 5 metro stations, out of these 530 bicycles are on monthly rental basis of Rs. 300/- per month. In addition to above about 100 electrical bicycles are also deployed on monthly rental basis of Rs. 600/- per month by Metro rail.	--	--	Nov-21	--	--	Yes		Maha Metro has also acquired additional 130-acre land at Kamla Nagar, on Amravati Road, in the catchment area of Ambazari Lake. About 6,000 trees have been planted here as part of the ambitious programme. This new venture has been rightly named a 'Little Wood Extension'. Thus, a total of 11,500 trees of Medicinal, ornamental, fruits and flowers' plants have been planted at these two locations. Additionally, 1400 new sampling of Bamboo species have been planted at these locations in June-July 2018.



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VE5	Check vehicle overloading: Use weigh-in-motion bridges /machine (WIM) and Weigh bridges at entry points to the city to check the pay load of commercial vehicles. As per the CMVR, a penalty of 10 times the applicable rate for over loaded vehicles is charged.	Total 726 vehicles were checked from April 2020 to March 2021; wherein 223 vehicles were found to be violating the norms. (RTO, Nagpur East)	Entry points with weigh-in-motion-bridges / machines (WIM)		--	Regular Activity	--	--	Yes		Annexure VE5
VE6	Restriction on plying and phasing out of 15 years old commercial diesel driven vehicles.	15-year-old commercial diesel vehicles are being phased out		(60 months) May 2024	--	Regular Activity	--	--	No		Implementation policy to be proposed by RTO, Nagpur

6. Industries

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
IP1	Industrial airpollutioncontrol									
IP1.1	To intensify monitoring of industries to reduce emission by the industries.	Total No. of Red category - 69, Orange Category - 70, Green Category – 20 Industry Identified	4 No. / Month i.e., 32 Year/ Year	Ongoing enforcement activity	----	Compliance in 48 number units	--	YES		List of identified industries. Annex. IP1.1
IP1.2	Action against non-complying industrial units	MPCB has taken Action against 16 Industries for non-compliance of Air Acts. Intensive survey along with GO tagging by Nagpur Municipal Corporation & industrial area.	Regular Activity	Ongoing Process	--	Regular Activity	--	YES		
IP1.3	Shifting of Polluting Industries	No Industry identified for shifting.	Nil	Nil	--	Ongoing	--	YES		
IP1.4	Random auditing for Air pollution measures and Online reporting systems in the industries	Compliance portal has been activity 3 No of industries are submitting data on portal.	Regular Activity	Regular Activity	--	Completed	--	YES		List of industry Annex. IP1.4



Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/Frequency	Field Type	Attachm ent	Total Allocated Fund	Remarks
IP1.5	Identification of airpollutingindustri esand their regularmonitoring includinguseofdesi gnated fuel	04 Air Polluting Unit areidentified. RegularMonitoringisco nductedbyMPCBandacc ordinglyactiontakenagai nstthe defaultingUnit.	Regula rActivi ty	RegularActi vity	--	Completed	--	YES		
IP1.6	Ensuringinstallatio n/Up-gradation andoperation of airpollution controldevicesinin dustries	Regular Vigilance isconducted by MPCB andaccordingly action takenagainstthedefaulti ngUnit.	Regula rActivi ty	RegularActi vity	--	Completed	--	YES		
IP1.7	Action/closure againstdefaulting/u nauthorizedindustri alunits.	MPCB has taken ActionagainstNIL Industriesformon- compliance of AirActs.	Regula rActivi ty	RegularActi vity	--	Completed	--	YES		
IP1.8	Ensuring emissionstandardsi nindustries	04 No. Industries are highly air polluting which are be regularly monitoring apart from lease regular monitoring being targeted for other coal-based industries.	Regula r	RegularActi vity	--	Regularactivi ty	--	YES		
Action Point Code	Action Points	Present status	Targ et	Target Date	Deviation from Approved	Annual Target/Frequency	Field Type	Attachm ent	Total Allocated Fund	Remarks



					Action Plan Target					
IP1.9	Disposal of all non-hazardous wastes into the designated dumping sites	Industry is directed to dispose their non-hazardous waste to authorized recycler / scientific disposal.	Nil	Nil	--	Regular activity	--	YES		
IP1.10	Bank guarantee should be taken for the compliance of conditions imposed in CTO/CTE for control of Environmental Pollution from industries.	Amount of 11100000 Lacs has been recovered as a bank guarantee from Industry	Regular Activity	Regular Activity	--	Regular activity	--	YES		



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
IP2	OCEMS in Industries									
IP2.1	Implement Continuous Emission Monitoring System (OCEMS) across all targeted and applicable polluting industry.	04 no industries have provided OCEMS system & data are regularly posted on CPCB/MPCB server.	Regular Activity	Completed	--	Completed	--	YES		Detail of industry list <u>Annex. IP-2.1</u>
IP2.2	Development of mobile facility/van for continuous ambient air quality monitoring for different localities.	Procurement of mobile facility/van is planned in the FY 2021-22	1	31.03.2022	--	1 mobile facility van	--	YES		
IP2.3	Live camera feed and to take action against non-complying industrial units	01 Industry has provided live camera.	Regular Activity	ongoing process	--	Regular activity	--	YES		



Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
IP3	Clean fuel in industries									
IP3.1	Strict enforcement against illegal use of such fuels, including fuels which do not have specifications laid down or are included in the acceptable fuels as mandated by state pollution control boards	No Industry found using illegal Fuel	Regular Activity	Regular Activity	--	Regular Activity	--	YES		



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
IP4	Control of air pollution from Brick kilns									
IP 4.1	Identification of brickkilnsandtheirregularmonitoring includinguse of designated fueland closure ofunauthorizedunits.	Letter issued to revenue department for taking action at their end.	--	--	--		--	YES		
IP 4.2	Conversionofnaturaldraft brick kilns toForce/induceddraft.	NA	Nil	--	--		--	YES		
IP 4.3	Closure ofunauthorized units byseekingthepossibilityfor shifting of kilnsoutsidecorporationlimits	NA	Nil	--	--		--	YES		



Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund
IP5	Control offugitive emissions in industries								
IP 5.1	Use of covered orenclosed conveyors and transfer points	Industry using coal as fuel have provided dust collection/dust suppression system at CHP Coal Handling plant / Coal reclamation.	Regular activity	Regular Activity	--	Regular activity	--	YES	



Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target/Frequency	Filed Type	Attachment	Total Allocated Fund	Remarks
IP6	Control of air pollution from generator sets									
IP6.1	Allow only DG sets meeting emission and design of chimney/exhaust, acoustician closures standard to operate	01 (KSL) mall found installed DG set without proper APC & standards & action have been initiated. All the DG sets installed in industries meet the prescribed norms	Compliant D.G Sets	Regular Activity	--	Regular activity	-	YES		
IP 6.2	Monitoring of DG sets and action against violations. Fine should be imposed on defaulters.	Random inspection and monitoring are being carried out and action is taken against the defaulting units.	Compliant D.G Sets	Regular activity	--	Regular activity	-	YES		



7. Waste and Biomass-Dumping and Burning

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
BB1	Prevention of horticulture waste and Municipal solid waste burning/ waste management										
BB1.1	Installation of garden waste shredders	10 No.Garden waste shredders are installed at identified gardens		--	--			--	Yes		Details are given in Annex BB1.1
BB1.2	Penalizing non-complying citizens	NMC had deployed Nuisance detection squad (NDS) for prevention of solid waste burning	No open burning of municipal solid waste/ any other kind of waste	--	--	Regular activity		--	No		



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
BB1.3	Immediate lifting of solid waste generated from desilting and cleaning of municipal drains for its disposal	NMC has deployed two agencies for lifting garbage & silt. It is a continues process.	Completed	--	--	Regular activity		--	No		Total MSW Generated - 1200 MT 1)Existing Treatment on MSW (Compost) - 200MT 2) Existing Vermi compost - 5 MT 3) Biomining of Legacy waste (10.00 lakh MT) at Bhandewadi in running condition. 1.5 lakh MT biomining has been done. 4) Proposed treatment on MSW (Compost) - 600 MT. (Under tender approval process) 5) Proposed MRF (Dry Waste) - 380 TPD , (Under tender approval process) 6) Proposed Biomining of Old waste - 7.0 lakh MT (Under tender process)



Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Duration	Annual Target/ Frequency	Field Type	Attachment	Total Allocated Fund	• Remarks
BB1.4	Procurement and installation of Organic Waste Converter (OWC) Machines	10 No. OWC are installed at identified locations. Tender for 2 OWCs under NCAP is floated for Rs. Rs. 2315160/-	Installation of 25 Organic Waste Converters	--	--	12 months	12	--	Yes	Rs. 2315160/- (Rs. 1157580/- per Machine)	• Details are given in Annex BB1.4 • Under tendering process



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
BB2	Burning at crematoria										
BB2.1	Installation of air pollution control units for crematoria	CSIR-NEERI has presented the proposal in monitoring committee meeting and request for proposal is awaited		--	--	24 months	10 locations	--	No	3 Cr were earmarked under 15 th FC grant	
BB2.2	LPG based cremation facility development	Installed at 3 locations Sahkarnagar, Ambazari and Mokshadham with provision of stack for discharging the emissions	Proposed locations 6 no.	--	--	18 months	6 locations	--	No		Expenditure of approx. 45 lakhs/unit is estimated for the proposed 3 locations.



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
BB2.3	Development of Green Crematoria	Proposal submitted for approval	Proposed at Jaitala crematorium	--	--	24 months	1 location	--	No	Rs. 2.5 Cr were allocated from 15 th FC	



Action Point Code	Action Points	Present status	Target	Target Date	Deviation from Approved Action Plan Target	Duration	Annual Target/Frequency	Field Type	Attachment	Total Allocated Fund	Remarks
DF1	Domestic Fuel										
DF1.1	New LPG connections were provided under Pradhan Mantri Ujwala Yojana	103332 new connections were issued upto June 2021		--	--	12 – 18 months		--	Yes		Details are included in Annexure DF1.1



8. AIR QUALITY DATA

Location: -Terrace of Institute of Engineering, North Ambazariroad (NAMP Residential)																
SR. NO.	Action Code	Action Point	Field type	Attachment	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	AQ 1.1	Monthly averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	148	126	124	80	66	76	90	90	76	96	114	126
3	AQ1.3	Monthly averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	14	13	10	5	5	6	5	6	6	8	13	15
4	AQ1.4	Monthly averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	41	38	30	14	12	12	11	15	14	20	39	42
5	AQ1.5	Annual averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	–											
6	AQ1.6	Annual averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	101											
7	AQ1.7	Annual averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	9											
8	AQ 1.8	Annual averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	24											



Location: - MIDC office Hingna Road Nagpur (NAMP Industrial)

SR. NO.	Action Code	Action Point	Field type	Attachment	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	AQ 1.1	Monthly averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	142	121	135	85	75	73	91	94	69	109	121	159
3	AQ1.3	Monthly averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	15	14	12	6	6	5	5	5	6	9	15	20
4	AQ1.4	Monthly averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	43	40	34	15	13	15	12	14	15	24	42	50
5	AQ1.5	Annual averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	–											
6	AQ1.6	Annual averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	106											
7	AQ1.7	Annual averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	10											
8	AQ 1.8	Annual averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	26											



Location: - Govt. poly technique College,Sadar, Nagpur (NAMP Rural & other Areas)

SR. NO.	Action Code	Action Point	Field type	Attachment	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	AQ 1.1	Monthly averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	139	128	108	71	65	80	89	108	79	134	109	128
3	AQ1.3	Monthly averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	17	13	11	5	5	5	5	5	6	8	14	15
4	AQ1.4	Monthly averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	44	39	34	13	11	11	12	14	13	19	40	40
5	AQ1.5	Annual averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	–											
6	AQ1.6	Annual averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	103											
7	AQ1.7	Annual averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	9											
8	AQ 1.8	Annual averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	24											



Location: - RO Office Nagpur Premises (SAMP Residential)																
SR. NO.	Action Code	Action Point	Field type	Attachment	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	AQ 1.1	Monthly averages for PM _{2.5} (in µg/m ³)	Number(12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM ₁₀ (in µg/m ³)	Number(12)	–	70	68	70	47	40	44	46	56	42	79	86	98
3	AQ1.3	Monthly averages for SO ₂ (in µg/m ³)	Number(12)	–	12	13	11	5	5	5	6	5	6	10	12	14
4	AQ1.4	Monthly averages for NO ₂ (in µg/m ³)	Number(12)	–	36	40	33	12	11	12	14	18	14	30	35	38
5	AQ1.5	Annual averages for PM _{2.5} (in µg/m ³)	Number(1)	–	–											
6	AQ1.6	Annual averages for PM ₁₀ (in µg/m ³)	Number(1)	–	62											
7	AQ1.7	Annual averages for SO ₂ (in µg/m ³)	Number(1)	–	9											
8	AQ 1.8	Annual averages for NO ₂ (in µg/m ³)	Number(1)	–	24											



Location: - Terrace of Institute of Engineering, North Ambazariroad (NAMP Residential)																
SR. NO.	Action Code	Action Point	Field type	Attachment	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
1	AQ 1.1	Monthly averages for PM _{2.5} (in µg/m ³)	Number (12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM ₁₀ (in µg/m ³)	Number (12)	–	90	90	76	96	114	126	144	113	85	64	23	38
3	AQ1.3	Monthly averages for SO ₂ (in µg/m ³)	Number (12)	–	5	6	6	8	13	15	15	10	8	7	8	6
4	AQ1.4	Monthly averages for NO ₂ (in µg/m ³)	Number (12)	–	11	15	14	20	39	42	42	32	25	20	17	15
6	AQ1.5	Annual averages for PM _{2.5} (in µg/m ³)	Number (1)	–	–											
7	AQ1.6	Annual averages for PM ₁₀ (in µg/m ³)	Number (1)	–	88											
8	AQ1.7	Annual averages for SO ₂ (in µg/m ³)	Number (1)	–	9											
9	AQ 1.8	Annual averages for NO ₂ (in µg/m ³)	Number (1)	–	24											


Location: -MIDC office Hingna Road Nagpur (NAMP Industrial)

SR. NO.	Action Code	Action Point	Field type	Attachment	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
1	AQ 1.1	Monthly averages for PM _{2.5} (in µg/m ³)	Number (12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM ₁₀ (in µg/m ³)	Number (12)	–	91	94	69	109	121	159	140	127	101	72	33	51
3	AQ1.3	Monthly averages for SO ₂ (in µg/m ³)	Number (12)	–	5	5	6	9	15	20	15	10	9	9	8	8
4	AQ1.4	Monthly averages for NO ₂ (in µg/m ³)	Number (12)	–	12	14	15	24	42	50	43	31	31	22	14	18
5	AQ1.5	Annual averages for PM _{2.5} (in µg/m ³)	Number (1)	–	–											
6	AQ1.6	Annual averages for PM ₁₀ (in µg/m ³)	Number (1)	–	97											
7	AQ1.7	Annual averages for SO ₂ (in µg/m ³)	Number (1)	–	10											
8	AQ 1.8	Annual averages for NO ₂ (in µg/m ³)	Number (1)	–	26											


Location: - Govt. poly technique College,Sadar, Nagpur (NAMP Rural & other Areas)

SR. NO	Action Code	Action Point	Field type	Attachmen t	Jul- 20	Aug- 20	Sep- 20	Oct- 20	Nov- 20	Dec- 20	Jan -21	Feb- 21	Mar -21	Apr -21	May- 21	Jun- 21
1	AQ 1.1	Monthly averages for PM2.5(in µg/m3)	Number (12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM10(in µg/m3)	Number (12)	–	89	108	79	134	109	128	144	124	82	60	22	33
3	AQ1.3	Monthly averages for SO2(in µg/m3)	Number (12)	–	5	5	6	8	14	15	13	8	7	8	8	6
4	AQ1.4	Monthly averages for NO2(in µg/m3)	Number (12)	–	12	14	13	19	40	40	37	25	23	20	14	12
5	AQ1.5	Annual averages for PM2.5(in µg/m3)	Number (1)	–	–											
6	AQ1.6	Annual averages for PM10(in µg/m3)	Number (1)	–	93											
7	AQ1.7	Annual averages for SO2(in µg/m3)	Number (1)	–	9											
8	AQ 1.8	Annual averages for NO2(in µg/m3)	Number (1)	–	22											


Location: - DATA RO Office Nagpur Premises (SAMP Residential)

SR. NO.	Action Code	Action Point	Field type	Attachment	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
1	AQ 1.1	Monthly averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	–	–	–	–	–	–	–	–	–	–	–	–
2	AQ1.2	Monthly averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	46	56	42	79	86	98	83	65	48	42	18	30
3	AQ1.3	Monthly averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	6	5	6	10	12	14	12	9	7	8	8	8
4	AQ1.4	Monthly averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	14	18	14	30	35	38	36	28	22	20	16	18
5	AQ1.5	Annual averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	–											
6	AQ1.6	Annual averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	58											
7	AQ1.7	Annual averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	9											
8	AQ 1.8	Annual averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	24											



Location: - CAQMS Divisional commissioner Officer Nagpur July 2020 to June 2021

SR. NO.	Action Code	Action Point	Field type	Attachment	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	AQ 1.1	Monthly averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	41.62	62.02	27.08	23.13	23.67	16.06	16.27	12.87	22.65	41.56	58.87	68.15
2	AQ1.2	Monthly averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	84.53	71.50	59.90	47.80	39.68	33.46	32.45	28.32	48.82	84.03	109.68	118.30
3	AQ1.3	Monthly averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	11.37	15.81	5.78	1.78	2.28	3.24	3.44	3.47	2.66	3.00	5.15	1.40
4	AQ1.4	Monthly averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(12)	–	49.77	52.10	52.58	21.01	19.64	16.07	17.70	14.35	18.00	33.85	49.79	62.07
5	AQ1.5	Annual averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	34.50											
6	AQ1.6	Annual averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	63.21											
7	AQ1.7	Annual averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	4.95											
8	AQ 1.8	Annual averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number(1)	–	33.91											



Location: - CAQMS Divisional commissioner Officer Nagpur July 2020 to June 2021

SR. NO .	Action Code	Action Point	Field type	Attachme nt	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
1	AQ 1.1	Monthly averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number (12)	–	16.27	12.87	22.65	41.56	58.87	68.15	68.07	51.26	65.32	60.37	31.27	22.65
2	AQ1.2	Monthly averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number (12)	–	32.45	28.32	48.82	84.03	109.68	118.30	115.97	87.98	115.31	110.57	55.70	61.21
3	AQ1.3	Monthly averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number (12)	–	3.44	3.47	2.66	3.00	5.15	1.40	1.17	1.42	0.98	1.86	2.31	8.53
4	AQ1.4	Monthly averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number (12)	–	17.70	14.35	18.00	33.85	49.79	62.07	38.24	34.77	28.89	23.01	13.00	28.72
5	AQ1.5	Annual averages for PM2.5(in $\mu\text{g}/\text{m}^3$)	Number (1)	–	43.28											
6	AQ1.6	Annual averages for PM10(in $\mu\text{g}/\text{m}^3$)	Number (1)	–	80.70											
7	AQ1.7	Annual averages for SO2(in $\mu\text{g}/\text{m}^3$)	Number (1)	–	2.95											
8	AQ 1.8	Annual averages for NO2(in $\mu\text{g}/\text{m}^3$)	Number (1)	–	30.20											

9. Annexures

TrainingCalendar2021-2022

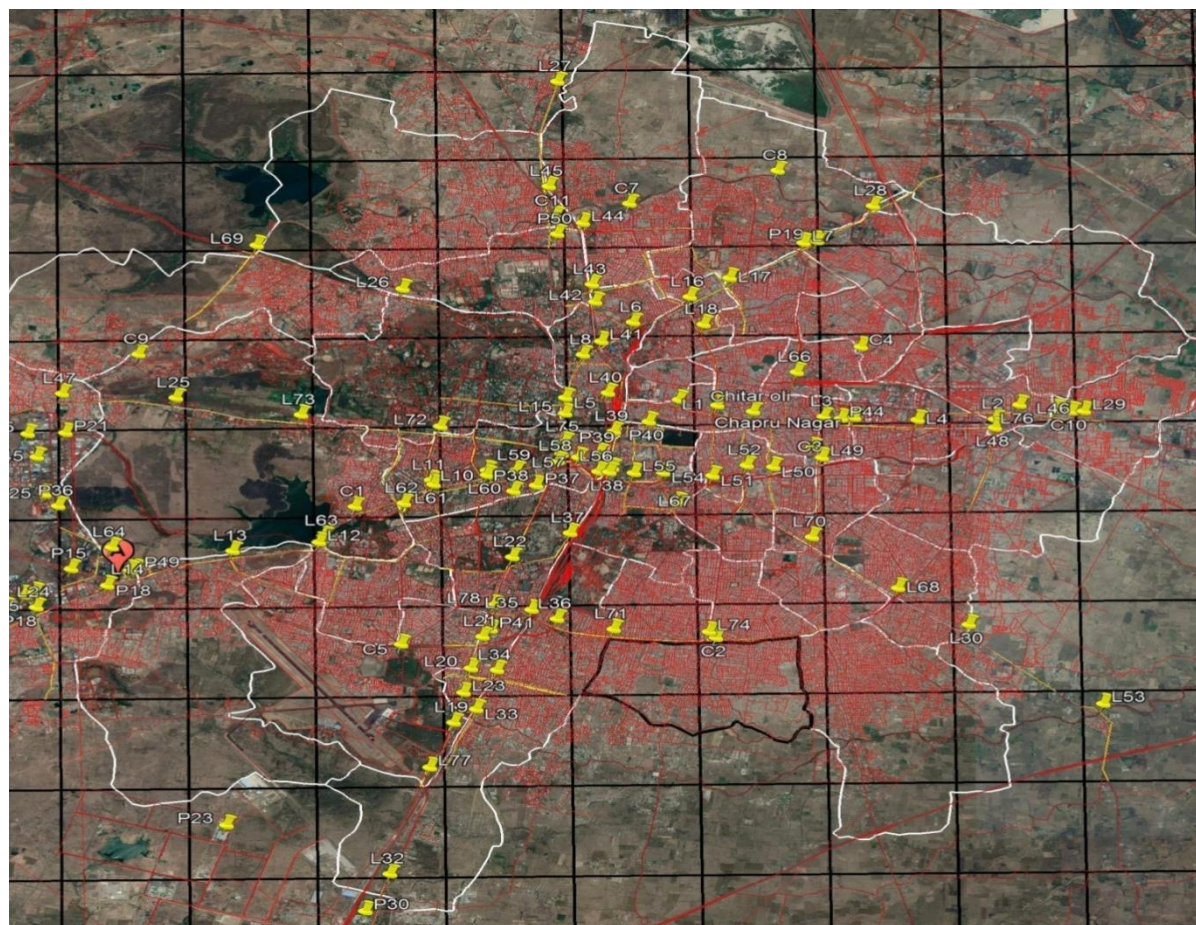
S.N.	Training Topics	Mode of Training	Training Agency	Duration	Tentative Schedule	Tentative Number of Participants	Remarks
1	Training Module 1: Basics of air pollution Understanding current air quality situation, Background of NCAP and Action Plan, Laws and policies, Sources of air pollution	Online/Offline	CSIR-NEERI, Nagpur	3 days	October 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
2	Air quality monitoring, Emission estimation	Online/Offline	CSIR-NEERI, Nagpur	3 days	October 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
3	Health risk assessment	Online/Offline	CSIR-NEERI, Nagpur. Expert from IIT	3 days	October 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
4	Source apportionment	Online/Offline	CSIR-NEERI, Nagpur Expert from IIT	3 days	October 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms



S.N.	Training Topics	Mode of Training	Training Agency	Duration	Tentative Schedule	Tentative Number of Participants	Remarks
1	Training Module 2: Source-specific air pollution control strategies Source specific air pollution control strategies for the following sources	Online/Offline	CSIR- NEERI, Nagpur MPCB	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
2	Industries	Online/Offline	CSIR- NEERI, Nagpur MPCB	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
3	Vehicles	Online/Offline	CSIR- NEERI, Nagpur MPCB, Expert from IIT	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
4	Crematoria	Online/Offline	CSIR- NEERI, Nagpur Expert from ARAI	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
5	Improved chulhas, tandoor and other	Online/Offline	CSIR- NEERI, Nagpur	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms

S.N.	Training Topics	Mode of Training	Training Agency	Duration	Tentative Schedule	Tentative Number of Participants	Remarks
6	Construction and demolition activities	Online/Offline	CSIR- NEERI, Nagpur	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
7	Green belt development	Online/Offline	CSIR- NEERI, Nagpur	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms
8	Other air pollution management strategies	Online/Offline	CSIR- NEERI, Nagpur	3 days	December 2021	10	Schedule and mode of training is subjected to Local govt. Covid-19 lockdown norms

AnnexureRD 1.3



Grid-wise city map of Nagpur showing road network and vehicle count locations (Source: CSIR-NEERI, Nagpur)

AnnexureRD 1.9

NAGPUR CITY: JUNCTION IMPROVEMENT

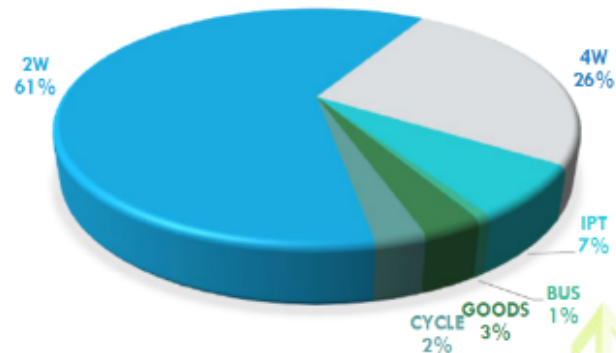
- Understanding the need of pedestrians, NMT and vehicular traffic, NMC has undertaken the junction improvement in the city, 20 junction are selected in for the improvement in the study
- Broad Scope of work includes
 - Reconnaissance and Topographical Survey
 - Traffic Surveys
 - Design Options
 - GAD Level Drawings
 - Bill of Quantity



S. No	Junction	S. No	Junction
1	Deekshabhoomi Chowk	11	Ashok Chowk
2	Shradhanandpeth Chowk	12	Baidyanath Chowk
3	C K Naidu Chowk	13	Bhola Ganesh Chowk
4	Dharampeth Y Point	14	Reshimbagh Chowk
5	Science College Chowk	15	Jagnade Chowk
6	Vijay Talkies	16	Sardar Patel Chowk
7	Police Talav T Point	17	Bajaj Nagar Chowk
8	Awasti Nagar Chowk	18	VNIT Chowk
9	Medical square	19	Kachipura Chowk
10	Tukdoji Chowk	20	Laxmi Nagar Chowk

TRAFFIC ANALYSIS – BAJAJ NAGAR CHOWK

MODAL COMPOSITION

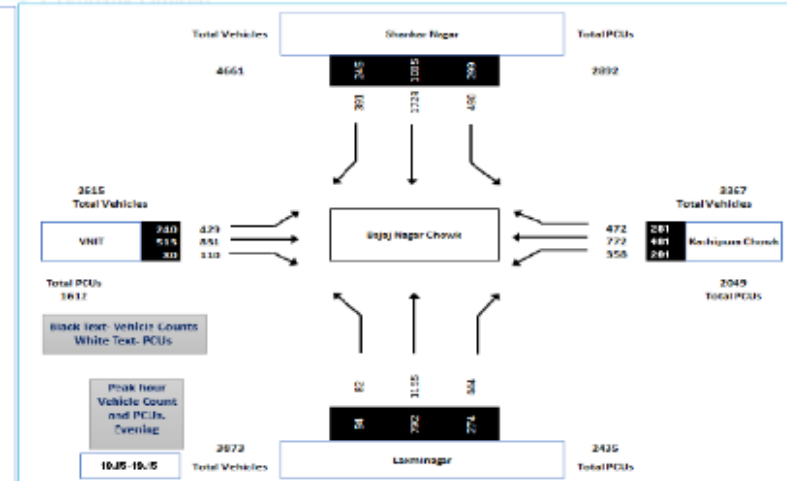
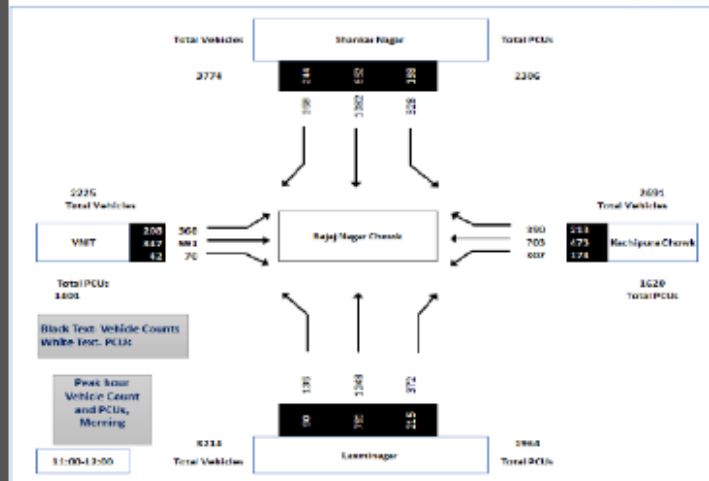


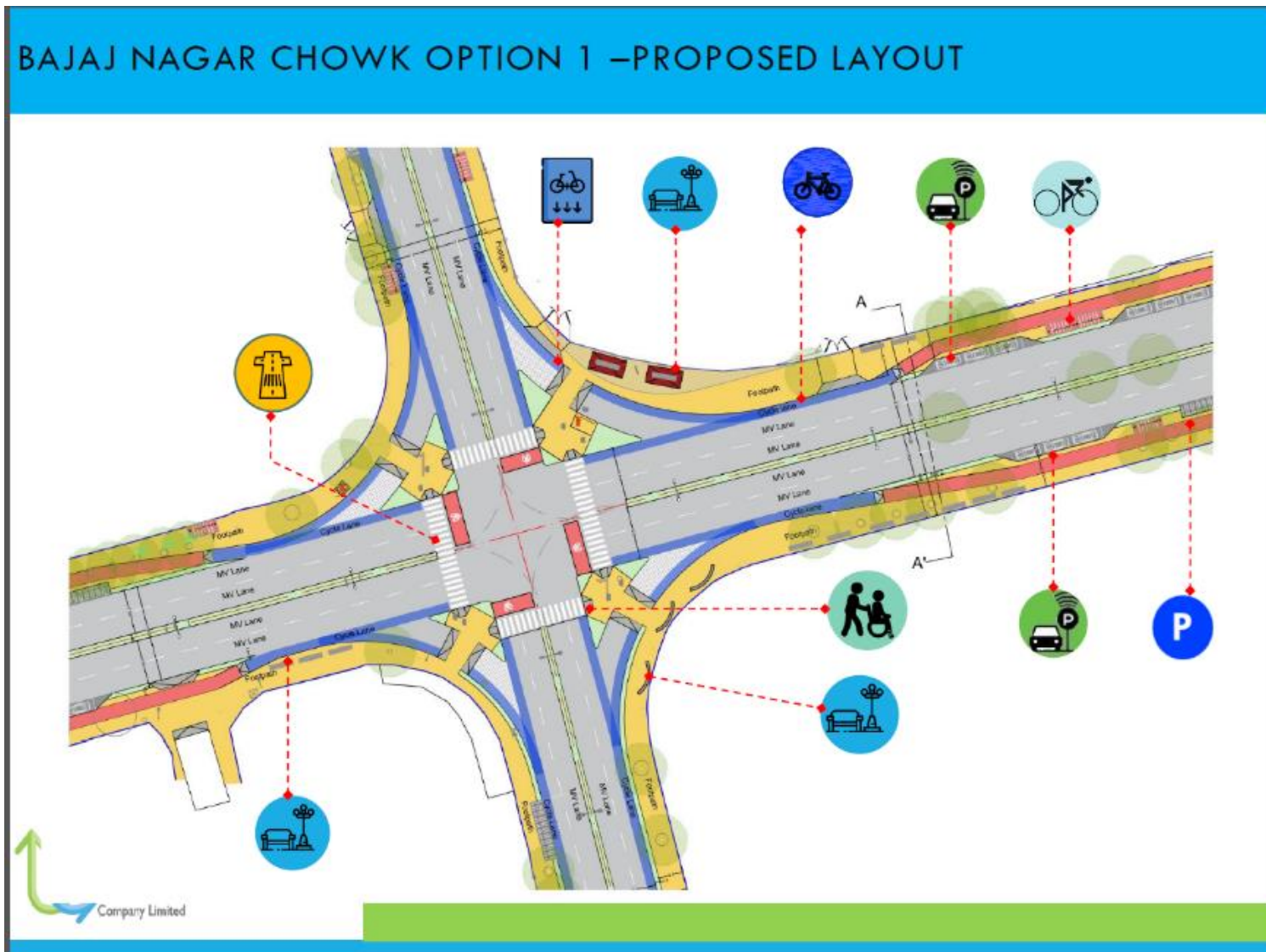
TRAFFIC FORECAST

Arm	2020	2025	2030
VNIT	1612	1719	1924
Shankar Nagar	2892	3065	4558
Kachipura Square	2049	1904	2427
Lakshminagar	2435	2577	3829

LANE REQUIREMENT

Arm	2020	2025	2030
VNIT	1.3	1.3	1.4
Shankar Nagar	2.0	2.0	3.0
Kachipura Square	1.4	1.4	2.1
Lakshminagar	1.7	1.7	2.5







COMMON ISSUES IDENTIFIED AT STREET JUNCTIONS



Encroachment on footpath by informal hawkers affects pedestrian accessibility



Observed underutilized refuge island



Auto Rickshaw parking and halting at Junction hampers regular movement of vehicles



Lack of pedestrian Infrastructure does not ensure pedestrian safety at the junction



Heavy electrical utilities on the footpath causes obstruction for pedestrian movement



Underutilized refuge island with no access for pedestrian



Urban Mass Transit
Company Limited

Annexure RD 1.11

नागपूर महानगरपालिका, नागपूर									
नागपूर शहरातील विकास योजना रस्ता रुंदीकरणास्तव भुसंपादन प्रस्ताव.									
अ.क्र.	रस्त्याचे नाव	केळीबाग रोड	जुना भंडारा रोड	मॉडेल मिल चौक ते रामजी पहेलवान चौक	अजनी	सोमलवाडा	पारडी	भांडेवाडी	एकुण
1	विकास योजना रस्त्याची रुंदी	24.00 मी.	18.00 मी. व 30.00 मी.	18.00 मी.	36.00 मी.	36.00 मी.	36.00 मी., 42.00 मी., 45.00 मी.	42.00 मी.	
2	एकुण बाधीत मालमत्ता	151	631	148	45	18	132	8	
3	एकुण बाधीत मालमत्तेचे क्षेत्र	10479.71 चौ.मी.	19917.198 चौ.मी.	5471.417 चौ.मी.	1052.40 चौ.मी.	946.29 चौ.मी.	8651.13 चौ.मी.	3348.87 चौ.मी.	
4	एकुण खाजगी मालमत्ता	108	498	123	44	17	131	8	
5	एकुण खाजगी मालमत्तेचे क्षेत्र	7372.82 चौ.मी.	15165.38 चौ.मी.	3808.52 चौ.मी.	1012.40 चौ.मी.	313.86	7993.13 चौ.मी.	3348.87 चौ.मी.	
6	अधियग्रहणाचे प्रस्तावित मुल्यांकन	142.70 कोटी हिस्सेदारी - 70% शासन = 99.89 कोटी 30% मनपा = 42.81 कोटी	339.00 कोटी हिस्सेदारी - 70% शासन = 237.30 कोटी 30% मनपा = 101.70 कोटी	84.88 + 15.30 = 80.18 कोटी हिस्सेदारी - 70% शासन = 56.13 कोटी 30% मनपा = 24.05 कोटी	20.66 कोटी हिस्सेदारी - 70% शासन = 14.46 कोटी 30% मनपा = 6.198 कोटी	13.93 कोटी हिस्सेदारी - 70% शासन = 9.75 कोटी 30% मनपा = 4.179 कोटी	108.00 कोटी हिस्सेदारी - 70% शासन = 75.60 कोटी 30% मनपा = 32.40 कोटी	17.00 कोटी हिस्सेदारी - 70% शासन = 11.90 कोटी 30% मनपा = 5.10 कोटी	एकुण- 721.47 (यापैकी 70 टक्के म्हणजे 505.42 कोटी शासन निधी आणि 30 टक्के 216.44 कोटी मनपाचा हिस्सा)
7	शासनाकडून प्राप्त निधी	19.60 कोटी	निरंक	निरंक	निरंक	निरंक	34.2068 कोटी	निरंक	53.81 कोटी
8	दि. 25.11.2019 पर्यंत एकुण अधिग्रहीत / विक्रीपत्र झालेल्या मालमत्ता व त्यांचे क्षेत्र	मालमत्ता - 29 क्षेत्र - 1609.23 चौ.मी.	मालमत्ता - 27 क्षेत्र - 673.212 चौ.मी.	मालमत्ता - 52 क्षेत्र - 1841.84 चौ.मी.	मालमत्ता - 20 क्षेत्र - 470.10 चौ.मी.	मालमत्ता - 6 क्षेत्र - 118.80 चौ.मी.	मालमत्ता - 61 क्षेत्र - 4218.12 चौ.मी.	--	
9	विक्रीपत्रान्वये भुसंपादनाकरिता मनपाद्वारे झालेला खर्च	25,70,13,456/-	17,23,34,166/-	23,72,01,710/-	99,04,70,110/-	1,99,92,712/-	42,76,63,561/-	--	210.44 कोटी



AnnexureVE 2.1

मनपा मालकीच्या बसेस सी.एन.जी. इंधनावर परावर्तीत करण्याबाबत

- नागपूर शहरातील वाढते प्रदुषण तसेच डिझेल इंधनाचे वाढते दर लक्षात घेता मनपा मालकीच्या डिझेल स्टँडर्ड बसेसचे प्रायोगिक तत्वावर सी.एन.जी. इंधनावर परावर्तीत करावयाचे प्रस्तावित करण्यात आले आहे.
- सन २०१० मध्ये JnNURM योजनेअंतर्गत प्राप्त डिझेल स्टँडर्ड बसेस ह्या तीन बस ऑपरेटर्स कडील प्रत्येकी ७६ बसेस विभागातून देण्यात आल्यात मनपा परिवहन समिती ठराव क्र. ३२, दि. १७/११/२०१८ रोजीचे मान्यतेने मे. रॉ मॅट इंडीया यांचेमार्फत ५० स्टँडर्ड बसेसला किट लावण्यास व सी.एन.जी.चा पुरवठा करण्यास आदेशित करण्यास आले.
- मे. रॉ मॅट इंडीया यांना व फ्युअल डिस्पेन्सींग फॅसिलीटी करिता १०५० चौ.मि. जागा व सी.एन.जी. किट देखभाल-दुरुस्ती कार्यशाळेकरिता ८१० चौ.मि. चजागा खापरी डेपो येथे उपलब्ध करून १८६० चौ.मि. जागेचे भाडे रेडीरेकनर प्रमाणे निश्चित करण्यात आले व त्यास परिवहन समिती ठराव क्र. ४९, दि. ३१/०५/२०१६ अन्वये मंजुरी प्राप्त आहे.
- मे. रॉ मॅट इंडीया च्या वतीने ५४ बसेसचे सी.एन.जी. इंधनामध्ये परावर्तीत करून प्रादेशिक परिवहन कार्यालय, (आर.टी.ओ.) यांचेकडून प्रमाणित करण्यात आलेले आहे.
- मे. डीम्स कंपनी यांचेकडून प्राप्त माहितीप्रमाणे एकूण ५४ बसेस ह्या सी.एन.जी. मध्ये परावर्तीत करण्यात आल्या आहेत व मे. रॉ मॅट इंडीया यांचेकडून एकूण ८४ बसेस परावर्तीत झाल्याबाबत अवगत करण्यात आले आहे.
- ३० बसेस बाबत आर.टी.ओ. कडून आजपावेतो दस्तावेज न मिळाल्याने या बसेसचा शहरबस वाहतुकीच्या शड्युलमध्ये समावेश करण्यात आलेला नाही.



AnnexureVE3.1

Preparation of Parking Management Plan & Development of On Street Parking Spaces
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4.4. Development Proposals

There are seven development proposals given in the parking policy:

A). Gandhi Bagh Park

Gandhi Bagh Park is located along the Mobility corridor (C.A. Road). However, majority of the parking is observed along collector roads and inner street roads. Hence, the location should also be categorized under roads other than mobility corridor. With the road width less than 7m, the On-street parking at this location disrupts the traffic flow. The following measures were suggested:

- Allow paid On-street parking along one of the road (Odd/Even parking could also be adopted)
- Demarcate space for loading/unloading vehicles
- Fix a time period for carrying out the loading/unloading activity
- For handling the future demand, underground Off-street parking could be provided at the Gandhi Bagh Park. The revenue generated could be used for the upkeep of the Gandhi Bagh Park and improvement of public transport system to the commercial area.



Figure 4-2 Location of A). Gandhi Bagh Park B). S.T. Bus Stand

B). ST Bus Stand (Off-Street)

ST bus Stand is a prominent location in the city falling under the Public/Semi-Public zone. The land use around the Bus Stand is of commercial in nature hence it can also be classified under the CBD zone of the city. Lot of Commuters Park their vehicles at the ST Bus Stand parking lot and take buses for their further journey. The parking lot located in front of ST Bus Stand is of off-street in nature and large number of vehicles are seen parked at this location. The following measures were suggested:

- Provide employee incentives to promote the use of Park and Ride facility
- Ban On-street parking along the mobility corridor
- Use of technology to display the availability of parking at the Off-street parking facilities

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- Prioritize long term parkers by fixing the parking fare accordingly
- Encourage the nearby Off-street parking facilities to adopt a common pricing policy

C). Wardha Road Parking (Off street)

Wardha road in Nagpur is a National Highway-7 and a prime mobility corridor. This link is also selected for the proposed North-South alignment of the metro corridor. The parking lot located at the Wardha Road is of Off-Street in nature spread across 5000 sq.m of land along the road and is located within 500m of the Ring road. The primary reason for parking is of the external trips made by the commuters. Many commuters traveling to Butibori and other industrial areas for work on daily basis park their vehicles here and take public transport to commute. Hence most the vehicles have long term parking and there is a huge potential for this parking lot once other planned developments such as MIHAN and Nagpur Metro Rail comes into picture. The following measures were suggested:

- Provide employee incentives to promote the use of Park and Ride facility
- Ban On-street parking along the corridor
- Use of technology to display the availability of parking at the Off-street parking facilities
- Construction of MLCP after thorough study of the demand
- Prioritize long term parkers by fixing the parking fare accordingly



Figure 4-3 Location of A). Wardha Road B). Sitabuldi Road

D). Sitaburdi Market (Off-Street)

Sitaburdi is considered as a Central Business District (CBD) of Nagpur. A lot commercial activities take place around this region. In addition, commuters from nearby towns/villages come to this area for various commercial activities. This is an Off-Street parking facility with a high capacity utilization and higher parking turnover. The following measures were suggested:

- Distribute the demand between other parking facilities within the vicinity
- Adopt a higher parking fare to discourage the movement of vehicles along the busy commercial street
- Use of technology to display the availability of parking at the Off-street parking facilities

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- To cater the future demand, identify a suitable site adjacent to the commercial street and construct an MLCP
- In future, the street could be pedestrianized by shifting the demand to the new MLCP

E). Mangalwari Bazar Rd (On-Street)

This is an On-Street parking facility at Chindwada Road running along Anjuman College till Mangalwari Bazar. The parking situation at this place is highly chaotic due to multiple activities. The facility falls near a Mobility Zone and at the same time surrounded by Commercial and Institutional centers such as Haldiram and Anjuman College respectively. The parking is of On-Street in nature spread on both sides of the road around 150 m in length. The following measures were suggested:

- Introduce No-Parking zone at a distance of 75m from the junction
- Introduce On-Street Pay-Parking facility along with telescoping rates to ease out the congestion and prioritize the facility based on the utility.
- Remove encroachment of the parking space by hackers thereby providing more space for parking of vehicles.
- Demarcate space for parking along with space required for maneuvering.
- Ban, perpendicular parking and encourage parallel and skewed parking.
- Institutional parking should be banned along the street; students and lecturers should be encouraged to use NMT or public transport.
- Strict regulation of On-street parking should be enforced.



Figure 4-4 Location of A). Mangalwari Bazar Road B). Tehsil Karyalaya road

F). Tehsil Karyalay (On-Street)

This is one of the prominent locations in the city which can be seen as a public place. Since most of the registration works and other government related works are undertaken here a lot of activity is seen on a typical weekday. It was also observed that majority of the vehicles parked here are two wheelers followed by cars. Parking at this

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facility is of On-Street in nature and of shorter duration. Vehicles are also seen parked on either side of the road and the parking is of unorganized in nature. Since the primary activity of this area is related to institutional activity many small vendors are seen occupying the footpaths for their commercial activities thereby forcing the pedestrians to use the carriageway. Hence lot of vehicles are parked haphazardly on the road causing a bottle neck at this location. The following measures were suggested:

- Ban On-street Parking to relieve the traffic congestion
- Encourage IPT to act as feeder to major public transport stops thereby encouraging PT
- Demarcate pick-up and drop-off points for IPT and private vehicles
- Encourage the existing Off-street parking facilities to share a common pricing policy
- Use of technology to display the availability of parking at the Off-street parking facilities

G). Eternity Mall Road (On-Street)

This is one of prime locations in the city and is located close to Variety Square. The road in front of Eternity Mall traversing towards Maharaja Bagh Garden is a primary mobility corridor connecting Aurangabad to Nagpur. It can often be seen that many buses are parked along this corridor over a stretch of 500 m causing a huge public hazard. Since a lot of commercial activities are also located here a high pedestrian traffic can also be seen. The following measures were suggested:

- Object parking of buses for long-term along this arterial road or,
- Coordinate the scheduling of buses between Mor Bhavan, Ganeshpeth so as to limit the number
- of buses parked along the road-side at any given point of time
- Remove encroachments by hawkers and parked vehicles at the BQS and demarcate the Bus Bay
- Ban the parking of 4W at this location to utilize the NIT MLCP
- The buses have to be moved to a proper off-street facility



Figure 4-5 Eternity Mall Road

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A.4 Summary of Parking and Revenue

Zone and Road Details	Daily Cars Parked (<2 hrs)	Daily Cars Parked (>2 hrs)	Revenue from Cars Parked (<2 hrs)	Revenue from Cars Parked (>2 hrs)	Daily TW Parked (<2 hrs)	Daily TW Parked (>2 hrs)	Revenue from TW Parked (<2 hrs)	Revenue from TW Parked (>2 hrs)
Zone 1								
Cement Road	92	5	923	103	898	37	4491	371
Central Bazaar road	434	24	4343	483	2088	86	10438	863
Mata Mandir Main road	147	8	1467	163	914	38	4569	378
Ring Road	666	37	6659	740	3457	143	17286	1429
S Ambazari road	107	6	1071	119	556	23	2781	230
West High Court road	624	35	6240	694	2229	92	11143	921
Ring Road	216	12	2162	240	1069	44	5344	442
Ring Road	504	28	5044	561	1390	57	6948	574
Khamla Road	546	30	5456	606	909	38	4543	376
Jaitala Road	62	3	618	69	267	11	1336	110
Humpyard road	201	11	2007	223	1251	52	6253	517
Zone: 1 Sub Total	3599	199	35990	4001	15028	621	75132	6211
Summary	3798		39991		15649		81343	
Zone 2								
Dr Ambedkar College Road and E High Court Road	134	7	1338	149	825	34	4125	341
Amravati Road / Nagpur Aurangabad Highway	420	23	4198	467	2664	110	13319	1101
Hill Top Road	226	13	2265	252	1122	46	5612	464
Futala road	66	4	664	74	414	17	2068	171
Ramnagar Road	288	16	2882	320	1122	46	5612	464
Mata Mandir Road	62	3	618	69	428	18	2138	177
Nagpur Aurangabad Highway	338	19	3378	375	2630	109	13152	1087
Tekdi road	201	11	2007	223	1251	52	6253	517
Palm road	413	23	4125	459	2459	102	12296	1017
Red Cross road	417	23	4169	463	2597	107	12987	1074
West Highcourt Road	386	21	3860	429	1628	67	8142	673
Commercial Road	93	5	926	103	577	24	2886	239
Main Road Sitabuldi	62	3	618	69	240	10	1202	99
Old Post Office Road	15	1	154	17	534	22	2672	221
Hanuman Mandir Road	0	0	0	0	374	15	1871	155
Zone: 2 Sub Total	3121	172	31202	3469	18865	779	94335	7800
Summary	3293		34671		19644		102135	

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Zone and Road Details	Daily Cars Parked (<2 hrs)	Daily Cars Parked (>2 hrs)	Revenue from Cars Parked (<2 hrs)	Revenue from Cars Parked (>2 hrs)	Daily TW Parked (<2 hrs)	Daily TW Parked (>2 hrs)	Revenue from TW Parked (<2 hrs)	Revenue from TW Parked (>2 hrs)
Zone 3								
Reshim Bagh Road	124	7	1235	137	267	11	1336	110
Petrol Pump Road	292	16	2919	324	1102	46	5511	456
Chota Taj Bagh Road	603	34	6031	670	3131	129	15657	1295
Hanuman Nagar Road	0	0	0	0	160	7	802	66
Manewada Road	714	40	7141	794	4635	192	23173	1916
Ridge Road	247	14	2470	275	428	18	2138	177
Ganesh Nagar Road/SD Hospital Road	571	32	5713	635	1229	51	6146	508
Zone: 3 Sub Total	2551	143	25509	2835	10952	454	54763	4528
Summary	2694		28344		11406		59291	
Zone 4								
Agayaramm Devi Road	483	27	4825	536	2575	106	12874	1064
Rambagh Road	169	9	1689	188	1052	43	5261	435
Calvary MOI Road	193	11	1930	215	1002	41	5010	414
Krida Square road/ Medical Square Road	217	12	2171	241	1127	47	5637	466
Ajini Road	103	6	1029	114	0	0	0	0
Ridge Road	103	6	1029	114	86	4	428	35
Great Nag Road	216	12	2162	240	321	13	1603	133
Zone: 4 Sub Total	1484	83	14835	1648	6163	254	30813	2547
Summary	1567		16483		6417		33360	
Zone 5								
Dighori Road	125	7	1255	139	716	30	3582	296
Sakkardhara Police Chowki Road	206	11	2059	229	374	15	1871	155
Great Nag Road	478	27	4777	531	2480	103	12401	1025
Middle Ring Road	158	9	1583	176	1233	51	6163	510
Nandanvanam Main Road	717	40	7165	796	4397	182	21983	1818
Zone: 5 Sub Total	1684	94	16839	1871	9200	381	46000	3804
Summary	1778		18710		9581		49804	
Zone 6								
Central Avenue Road	109	6	1086	121	564	23	2818	233
Gangabai Ghat Road	324	18	3242	360	2020	84	10101	835
Timki Bazaar Main Road	187	10	1866	207	1090	45	5449	450
Empress Mall Road	371	21	3706	412	1283	53	6413	530
Zone: 6 Sub Total	991	55	9900	1100	4957	205	24781	2048
Summary	1046		11000		5162		26829	

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Zone and Road Details	Daily Cars Parked (<2 hrs)	Daily Cars Parked (>2 hrs)	Revenue from Cars Parked (<2 hrs)	Revenue from Cars Parked (>2 hrs)	Daily TW Parked (<2 hrs)	Daily TW Parked (>2 hrs)	Revenue from TW Parked (<2 hrs)	Revenue from TW Parked (>2 hrs)
Zone 10								
Kingsway road	69	4	695	77	433	18	2164	179
Mount road	103	6	1029	114	641	27	3207	265
RBI Square to T Point on Kingsway Road	43	2	432	48	269	11	1347	111
Chindwara road	248	14	2477	275	1286	53	6430	532
Gorewada road	124	7	1235	137	770	32	3848	318
Katol Road	714	40	7141	794	3811	158	19053	1575
Cement Road	62	3	618	69	361	15	1804	149
Zone: 10 Sub Total	1363	76	13627	1514	7571	314	37853	3129
Summary	1439		15141		7885		40982	



AnnexureVE4.1

MAHARASHTRA METRO RAIL CORPORATION LIMITED (NAGPUR METRO RAIL PROJECT)

MAHA-METRO a Special Purpose Vehicle (SPV), a 50:50 jointly owned company of Government of India and Government of Maharashtra. The existing Nagpur Metro Rail Corporation Limited (NMRCL) which would be reconstituted into Maharashtra Metro Rail Corporation Limited (MAHA-METRO) for implementation of all metro projects including Nagpur Metro Rail Project in the State of Maharashtra outside Mumbai Metropolitan Region for the smooth implementation, execution and operations.

Project will be covered under the legal framework of the Metro Railways (Construction of Works) Act, 1978; the Metro Railways (Operation and Maintenance) Act, 2002; and the Railways Act, 1989, as amended from time to time.

VISION: *To create an energy efficient Metro Rail System of International standard which will enhance the quality of life of the citizens of Nagpur and be instrumental in the overall development of the city by making it more vibrant & attractive and utilize the full potential of 'Green Energy' in the form of Solar.,*

MISSION: *To provide a safe, reliable, efficient, affordable, commuter friendly and environmentally sustainable rapid public transport system for the Nagpur Metro Region.*

Metro Corridor's Description

Nagpur Metro Rail Project will consist of 38.215 Km metro corridor, 38 stations and 2 Depots. The total estimated cost of the project is Rs. 8680 Crore. The detailed description of the North-south and East-west corridors are given below.

Line-1: North-South Corridor from Automotive Square to Khapri Depot:

A total of 18 Stations have been planned along the proposed N-S Corridor. This corridor originates from Automotive square and runs southwards on NH-7 through Nari Road, Indora chowk, Gaddi Godam Square, Kastrurchand Park, Zero Mile, Sitabuldi, Congress Nagar, Rahate colony, Ajni Square Station, Chhatrapati Square Station, Jaiprakash Nagar, Ujjawal Nagar, Airport Station, New Airport Station and Khapri Station. The Corridor is partly elevated and partly at grade. Total Length of the corridor is 19.658 Km of which approximately 15.058 is elevated and 4.6 km is at grade. There are 18 stations on this corridor of which 15 stations are elevated and 3 stations are at grade. Sitabuldi Station is an Inter-change station. Average inter-station distance is 1.20 km approximately varying from 0.54 km to 2.4 km depending upon the site, operational and traffic requirements.



AnnexureVE4.2

**Line -2: East-West Corridor from Prajapati Nagar to Lokmanya Nagar:**

A total of 19 Stations have been planned along the proposed E-W Corridor. This corridor originates from Prajapati Nagar and runs westwards, through Vaishnodevi Chowk, Ambedkar Chowk, Telephone Exchange, Chitar Oli Chowk, Agrasen Chowk, Dosar Vaisya Chowk, Nagpur Railway Station, Sitabuldi, Jhansi Rani Square, Institute of Engineers, Shankar Nagar Square, LAD chowk, Dharmapeth College, Subhash Nagar, Rachna (Ring road Junction), Vasudev Nagar, Bansi Nagar to Lokmanya Nagar. The entire corridor is elevated. The total length of the corridor is 18.266 kilometer. All stations are elevated stations and Sitabuldi station is an Interchange Station. Average inter-station distance is 1.00 km approximately varying from 0.65km to 1.29 km depending upon the site, operational and traffic requirements.

The 11 metro stations of Reach-1 (Khapri to Sitabuldi) and 10 metro stations of Reach-3 (Lokmanya Nagar to Sitabuldi) are operational. Till date about 21 metro stations are in operation covering about 20 km stretch.

Estimated reduction in vehicle numbers & Estimated reduction in air pollutants: An entire benefit will be expected and evaluated once the whole corridor and metro stations are operational.

Existing and proposed Parking lot details: Details of parking lots ready till date are as follows:

- 1) Reach-1 (Khapri to Sitabuldi):
 - a) Cycle parking- 302
 - b) 2-wheeler parking- 535 + 275 (Sitabuldi-Glocal mall)
 - c) 4- wheeler parking- 118 + 275 (Sitabuldi-Glocal mall)
 - d) Specially able people- 16
- 2) Reach-3 (Lokmanya Nagar to Sitabuldi):
 - a) Cycle parking- 205
 - b) 2-wheeler parking- 211
 - c) 4- wheeler parking- 15
 - d) Disable people- 9

Average number of passengers travelling per day:

1. Average ridership for the period Jan 2019 – Dec 2019 is 1698.
2. Average ridership for the period Jan 2020 – March 2020 is 5434.

AnnexureVE4.3



6 stations of Reach-3 AQUA Line viz; Lokmanya Nagar, Banshi Nagar, Vasudev Nagar, Subhash Nagar, IoE & Jhansi Rani Metro Stations and 7 stations of Reach-1 Orange Line Viz; Khapri, New Airport, Airport South, Airport, Jaiprakash Nagar, Ajni Square & Sitabuldi Interchange station are rated PLATINUM by IGBC. Nagpur Metro is determined to achieve PLATINUM Rating for all 40 stations.

Compensatory Afforestation:

Maha-Metro has considered Bio-diversity as the core principle in planning the Environmental Management for the Nagpur Metro Rail Project. Little wood & little wood Extension are the two major initiatives for addressing all important issue of bio-diversity in urban areas.

Maha-Metro has developed forest on a 24-hectare piece of land, near Ambazari, Hingna Road. It was set up and dedicated to people on July 1, 2016. Aptly called 'Little Wood', it is home to not just a range of trees, but also a variety of bird species. Little Wood is a creation of Maha Metro – perfectly planned and executed venture. As many as 5,500 trees have been planted here – preserving both the natural beauty and the existing plants.

As part of its continued efforts to conserve environment, Maha Metro acquired additional 130 acre land at Kamla Nagar, on Amravati Road, in the catchment area of Ambazari Lake. About 6,000 trees have been planted here as part of the ambitious programme. This new venture has been rightly named a 'Little Wood Extension'. Thus, a total of 11,500 trees of Medicinal, ornamental, fruits and flowers' plants have been planted at these two locations. Additionally, 1400 new sampling of Bamboo species have been planted at these locations in June-July 2018. All the planted trees are well grown up and now the planted areas are looking like natural forests.

In addition to above Maha-Metro has taken various initiatives in developing the visually appealing landscape development at metro stations, median under viaduct and at metro pillars. This will help in reducing Carbon Footprint in the city.

AnnexureVE 5

मालवाह वाहनातून क्षमतेपेक्षा जास्त माल भरून वाहतूक करणाऱ्या वाहनांची तपासणी
ओव्हरलोड मासिक

अ.क्र	महिना	कार्यालयाचे नांव	तपासलेली वाहने	दोषी वाहने	निकाती काढण्यात आलेली प्रकरणे	अटकाव ठेवलेली प्रकरणे	माल उतरवून जावू देण्यात आलेली प्रकरणे	तडजोड झाले	विभागीय झाले	न्यायालयीन झाले	मासिक सक्षम	एकूण वसुली
१	२०-Apr	उप प्रादेशिक परिवहन कार्यालय, नागपूर पूर्व	०	०	०	०	०	०	०	०	०	०
२	२०-May		२	०	०	०	०	०	०	०	०	०
३	२०-Jun		५७	१९	९	२	९	१.४२	०.७१	०	०	२.१३
४	२०-Jul		६८	१८	१२	३	१२	४.३२	२.२१	०	०	६.५३
	२०-Aug		४५	१३	१३	३	१३	१.११	०.५७	०	०	१.६८
	२०-Sep		७९	२७	२३	०	२३	४.९६	२.६१	०	०	७.५७
	२०-Oct		७१	२६	२२	५	२२	२.५५	२.१९	०	०	४.७४
	२०-Nov		७८	२६	२१	२	२१	१.८	३.२२	०	०	५.०२
	२०-Dec		९८	२८	२४	४	२४	१.८	२.२९	०	०	४.०९
	२१-Jan-		९१	२६	३०	०	३०	२.६४	३.७८	०	०	६.४२
	२१-Feb		३२	५	१२	१	१२	०.९९	०.९७	०	०	१.९६
	२१-Mar		१०५	३५	३१	६	३१	३.०७	३.७२	०	०	६.७९
	एकूण		७२३	२२३	१९७	२६	१९७	२४.६६	२२.२७	०	०	४६.९३

उप प्रादेशिक परिवहन अधिकारी,
नागपूर पूर्व
उपप्रादेशिक परिवहन अधिकारी,
नागपूर (शहर) पूर्व

Scanned by TanScanner

मालवाह वाहनातुन क्षमतेपेक्षा जास्त माल भरून वाहतूक करणाऱ्या वाहनांची तपासणी
ओवरलोड मासिक

क्र.	परिचय	कार्यालयाचे नांव	तपासलेली वाहने	दोघी वाहने	निकासी काढण्यात आलेली प्रकरणे	अटकवून ठेवलेली प्रकरणे	माल उतरवून जावू देण्यात आलेली प्रकरणे	तडजोड सुलूक	विभाषित सुलूक	न्यायकारणीन रकम	मासिक लक्ष्य	एकुण संपूर्ण
1	21-Apr	उप प्रादेशिक परिवहन कार्यालय नागपूर पूर्व	१०७	३७	३३	३	३३	२.५७	४.५५	०		७.१२
2	21-May		१३६	४७	४७	०	४७	३.५९	५.५४	०		९.१३
3	21-Jun		१४५	४९	४४	६	४४	३.३४	६.०२	०		९.३६
		एकुण	३८८	१३३	१२४	९	१२४	९.६	१६.११	०		२५.७१

प्रमाणित
न्यायकारणीन
नागपूर पूर्व

Scanned by TanScanner

Annexure BB 1.1

D:/Chau.Sir/Shredder Machine/G.S. Cabin

श्रेडर मशीन बसविण्यात आलेले उद्यान

अ. क्र.	झोनचे नाव	उद्यानाचे नाव	क्षेत्रफळ (Acre)
1	लक्ष्मीनगर झोन	रेणूकामाता उद्यान, हिंणगा रोड,	1.35
2	लक्ष्मीनगर झोन	सूर्वेनगर उद्यान	4.97
3	लक्ष्मीनगर झोन	मेजर सुरेंद्रदेव पार्क धंतोली	4.97
4	मंगळवारी झोन	ॲड सखारामपंत मेश्राम मंगळवारी (अपडेट) 18.01.2021	2.90
5	धंतोली झोन	महात्मा फूले उद्यान सूयोग नगर	6.00
6	नेहरुनगर झोन	लक्ष्मीनारायण मंदीर उद्यान	2.50
7	नेहरुनगर झोन	त्रिशताब्दी उद्यान जूना नंदनवन	2.50
8	गांधीबाग झोन	गांधीबाग उद्यान	5.50
9	सतरंजीपूरा झोन	तूलसीनगर उद्यान शांतीनगर	1.75
10	लकडगंज झोन	भारतमाता व डॉ. बाबासाहेब आंबेडकर उद्यान गरोबा मैदान	3.00

AnnexureBB 1.4

D:/Chau.Sis/Shredder Machine/G.S. Cabin

**उद्यानातील पालापाचोळा पासून जैविक खत तयार करणाऱ्या मशीन
(Organic West Converter) लावण्यासाठी उद्यानांची यादी**

अ. क्र.	झोनचे नाव	उद्यानाचे नाव	क्षेत्रफळ हाक्टर
1	लक्ष्मीनगर झोन	रेणूकामाता उद्यान, हिंणगा रोड,	1.35
2	धरमपेठ झोन	शंकरनगर उद्यान	18.85
3	हनूमाननगर झोन	महात्मा गांधी उद्यान , हनूमाननगर	2.90
4	धंतोली झोन	महात्मा फूले उद्यान सूयोग नगर	6.00
5	नेहरुनगर झोन	दर्शन कॉलनी उद्यान	1.10
6	गांधीबाग झोन	चिटणविसपूरा उद्यान	1.85
7	सतरंजीपूरा झोन	शांतीनगर हाऊसिंग बोर्ड कॉलनी नानक उद्यान,	1.75
8	लकडगंज झोन	म्हाडा कॉलनी उद्यान पारडी,	1.50
9	आशीनगर झोन	मॉडल टाऊन इंदोरा उद्यान / लष्करीबाग उद्यान	1.50 / 0.87
10	मंगळवारी झोन	के.टी.नगर नक्षत्र उद्यान	3.20

Annexure DF 1.1

Status of LPG Connections issuance under PMUY as of 27-06-2021 are as below :

PMUY Connections As on Date-			27-06-2021
OMC	District	Distributors	SV Issued
BPC	Nagpur	19	41634
HPC	Nagpur	48	36752
IOC	Nagpur	34	24946
OMC	Nagpur	101	103332

Annexure - IP1.1

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
1	ShardaIspat Ltd., Kamptee Road, Nagpur.	S/R	13	AMA Extrusion Pvt. Ltd., H.No. 367, W. No. 23, Itwari, Lakadganj, Nagpur	S/R
2	Shri. BaidyanathAyurvedBhavanpvt. Ltd., Great Nag Road, Nagpur,Dist.- Nagpur	M/R	14	The National Industries, Co.Dahipura Industrial Layout, Plot. No. 42,43, Nagpur	S/R
3	Govt. Milk Scheme (Mothers Dairy), S.No. 5A/2, Civil Lines, Nagpur.	S/R	15	Neco Ceramics Limited, Behind HariharMandir, Old BarniKarkhana Road, Bagadganj, Nagpur	M/R
4	Suyog Chemicals, Pvt. Ltd, Plot. No. 45/46, Nagpur Industrial Estate, Uppalwadi, Kamptee Road, Nagpur	S/R	16	Ravi Steel Industries, 248/272, At- Km 21, East Wardhaman Nagar, Nagpur	S/R
5	C.P. Foundry Works, S.No. 4/2 & 4/3, Kamptee Road, P.O. Uppalwadi Industrial Estate, Nagpur	S/R	17	K.G. Aluminium Industries, 255, Small Factory Area, Nagpur	S/R
6	Swetal Steel Pvt. Ltd., Small Factory Area, Bagadganj, Nagpur	S/R	18	Dynachem Minerals, Plot. No. 10, Rishabh Industrial Estate, Bhandara Road, Kapsi, Nagpur	S/R
7	Digganth Steel Industry & Engineering Works, Plot. No. 8, 27, Eastern industrial Area, Kalamna , Nagpur	S/R	19	Unistar Forging Pvt. Ltd., P. No. 13/C & 14/C, uppalwadi, Kamptee Road, Nagpur	S/R
8	Pooja Pigments, Kh. No. 100, Behind KalamnaOctroi, Kamptee Road, Kalamna, Nagpur	S/R	20	Nagpur Ferrous (Cast Iron Foundry), B-11, Uppalwadi Industrial Estate, Kamptee Road, Dist.- Nagpur	S/R
9	Shilpa Re-Rollers, Pvt. Ltd., Plot. No. 1 to 4, Wanjara Layout, (NIT Industrial Area) Kamptee Road, Dist - Nagpur	R/SSI	21	Ashoka Ferro Alloys, Kh. No. 31/3, 31/4, Behind octroi, Kalmna, Kamptee Road, Nagpur	S/R
10	Kaffa Enterprises, P.O. Uppalwadi Industrial Estate, Nagpur	S/R	22	Century Agro Products (P) Ltd., 194, Small Factory Area, Bhandara Road, Nagpur	S/R
11	M.S. Enterprises, 22, Old Bagadganj, Shastri Nagar, Nagpur	S/R	23	Raju Steel Industry, Plot No. 243, Bagadganj, Small Factory Area, Nagpur	S/R
12	Harjeet Steel Industries, Wanjra Layout, Industrial Layout, Kamptee Road, Pilinadi, Nagpur	S/R	24	New Metal Works, NS-17, Industrial Estate Uppalwadi, Kamptee Road, Nagpur	S/R



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON - ATTAINMENT CITY NAGPUR

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
25	A.K. Glass Industries, Kh. No. 3,5 and 26, P. No. 17, Mouza- Wanjara, Kamptee Road, Nagpur	S/R	36	Mahesh Udyog, Plot. No. 171, Chikhali Layout, Kalamna, Nagpur	S/R
26	Apsara Industries, 267, East Wardhaman Nagar, Industrial Area, In	S/R	37	Vivek Industries, 3/3B, 882-A, SFA Bhandara Road, Nagpur	S/R
27	Shrinath Metal Industries, 65, Small Factory Area, Bagadganj, Nagpur	S/R	38	Ashoka Ferro Alloys, Kh. No. 31/3, Behind Octroi, Kalamna, Kamptee Road, Kalamna, Nagpur	S/R
28	KafaaEneterprises, P.O. Uppalwadi Industrial Estate, Kamptee Road, Nagpur	S/R	39	Lamba Traders, HPCL Petrol Pump, Near R.T.O., Civil Lines, Nagpur	S/R
29	N.B. Enterprises, Uppalwadi, Kamptee Road, Nagpur	S/R	40	A.P. Engineering Works, 47, Small Factory Area, Nagpur	S/R
30	Nagpur Gray Iron Casting, NS-12, B-12, Uppalwadi Industrial Area, Kamptee Road, Nagpur	S/R	41	Radisson Nagpur, Unit of Besttech Hospitalities Pvt. Ltd., Kh. No. 32/2-3, 37/1-C, Mouza- SomalWada, Tq. &Dist.- Nagpur	L/R
31	Rudraksha Chemical & Mineral, Plot. No. 62, Wanjara Layout, PiliNadi, Kamptee Road, Nagpur	S/R	42	Diesel Loco Shed, S. E. C. Railway, Motibag, Nagpur, Dist - Nagpur.	R/SSI
32	Hindustan Metal Processaor, 130, NariIndustrial Area, Kamptee Road, Nagpur, Dist. - Nagpur.	S/R	43	N. Kumar Projects & Infrastructure Pvt. Ltd. Harchandani, 1st Floor, B, Poonam Chambers, Byramji Town, Chhindwara Road, Nagpur.	L/R
33	Nagpur Ferrous, NS-11 and B-11, Uppalwadi Industrial Area, Kamptee Road, Nagpur	S/R	44	Aviation Fueling Station (AFS), Nagpur Airport, Vill. Sonegaon, Tq. & Dist. Nagpur.	S/R
34	Ashoka Extrusions, Kh. No. 31/3, 31/4, Kalmna - kamptee Road, Dist. - Nagpur	R/SSI	45	Bharat Petroleum Corporation Limited, AviationFuelling Station, at. BabasahebAmbedkarInternationalAirport S. No. 319, (Part) of VillShivangaon, Dist. Nagpur.	S/R
35	Orange City Glass co Pvt. Ltd. Plot. No. 259, Small Factory Area, Bhandara Road, Nagpur	S/R	46	Ambica Lube Industries Pvt. Ltd., Plot. No. 67, Wanjara Layout, PiliNadi, Kamptee Road, Nagpur	S/R



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON - ATTAINMENT CITY NAGPUR

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
47	Prakash Enterprises, Plot No.508, Chandan, UrtkhanaChowk, Nagpur, Dist. - Nagpur.	R/SSI	57	Simple Foods (Haldiram Food Internation Pvt. Ltd)., Vill - Gumthala, 20.0 Km Stone, Tah - Kamptee, Bhandara Road, Nagpur, Dist - Nagpur.	R/LSI
48	Radhika Enterprises, Plot No.506, SanjeevaniBuilding,Chandan Nagar, UntkhanaChowk, Nagpur, Dist. - Nagpur.	R/SSI	58	HaldiramFoods International Pvt., Ltd., Kh.No.9,10,11,Mauza -Ambazari,Subhash Nagar, T Point,Nagpur,Dist. - Nagpur.	R/SSI
49	Sr.Divisional Electricals Engineers (SDEE), Electrical Loco Shed, Central Railway, Ajani, Nagpur, Dist - Nagpur.	R/SSI	59	Nitika Pharmaceutical Specialities Pvt. Ltd., Plot No. 85, WanjaraLayout, PiliNadi, Industrial Area, Nagpur, Dist. - Nagpur.	R/MSI
50	Avanti Institute of Cardiology Pvt. Ltd., 5, Abhyankar Road, Nagpur, Dist. - Nagpur.	R/SSI	60	Orange City Plywood Pvt. Ltd., 16 km. Mile Stone, Bhandara Road, Opp. LOC Petrol Pump, Mahalgaon, Nagpur, Dist - nagpur.	R/SSI
51	R. K. Industries, 63, Small Factory Area, Lakadganj, Nagpur, Dist. - Nagpur.	R/SSI	61	Narrow Gauge Workshop Motibag, Po - Bezonbagh, SECRLY Nagpur,	R/LSI
52	Ankit Pulps & Boards Pvt. Lt.,39/2, Vill - Bhilgaon, Kamptee Road, Dist. - Nagpur.	R/SSI	62	AMA Enterprises, House No. 367, Ward No. 23, Behind Railway Goods Shed No. 2, Itwari, Nagpur.	R/SSI
53	Vijay Industries, (Kalmana), Plotno. 39, Bhawani Nagar, Kalamna Market Road, Nagpur,Dist. - Nagpur	R/SSI	63	Mascot Motors, 38-39, Gandhi Grain Market, Telephone Exchange Square, C.A. Road, Nagpur	R/SSI
54	Bharat Petroleum Corporation Limited Aviation Fueling Station, Dr. BabasahebAmbedkar, International Airport, Survey No. 31 (Part) of Vill - Shivangaon, In Sector 4, Under Mihan Notified Area, Nagpur,Dist. - Nagpur.	R/SSI	64	Janta Maternity Home & Hospital, Nr. Dayanad College, Jaripatka, Nagpur.	R/LSI
55	Shree Vyankaterwara Glass Pvt. Ltd., KhairyKamptee Road, Dist. - Nagpur.	R/SSI	65	Suretech Hospital & Research Centre Ltd., 13-A, Banerjee Marg. Dhantoli, Nagpur.	R/LSI
56	Mission Industries,Ph. No. 42, Lohara, Ramtek, Nagpur, Dist. - Nagpur.	R/SSI	66	Ajit Bakery Dharampeth, Nagpur.	S/O



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
67	Shantilal Oil Pvt. Ltd., Pot. No. 34, Uppalwadi Industrial Estate, Kamptee Road, Nagpur	S/O	78	International Fabrication & forging, 83/B, Small Factory Area, bagadganj, nagpur	S/O
68	Umiya Dal Mill, plot No.127, Eastern Industrial Area, Kalamna, Nagpur, Dist- Nagpur	O/SSI	79	M.M. Agro Industries, Kh. No. 61/63/69, Plot No.69, Chikhali Layout, Kalamna, Nagpur, Dist - Nagpur.	O/SSI
69	Chandra Tyre Works, 378, Baba Budhaju Nagar, Ward No.7, Teka Naka, Kamptee, Nagpur, Dist - Nagpur.	O/SSI	80	Pappu industries, Plot. No. 60, Chikhali Layout, Kalamna Road, Nagpur	O/SSI
70	Narendra Industries, Plot. No. 4, Nari Layout, Kamptee Road, Nagpur	S/O	81	YadukaAgro Industries, 35, Eastern industrial Area, Kalamna, Nagpur	O/SSI
71	Hindustan Metal Chemicals, C-39, N.I.E.C.S. Ltd., Uppalwadi, Nagpur	S/O	82	Atul Enterprises, Plot. No. 287, Chikhali Layout, Kalamna Market Road, Nagpur	O/SSI
72	Divisional Controller, M.S.R.T.C. (workshop), Imambada Road, Nagpur	S/O	83	Oam Industries, Plot. No. 17/A, Chikhali, Kalamna Road, Nagpur	S/O
73	Gurubaxani Brothers Hot Mix Plant, 33, Wanjara Industrial Layout, Kamptee Road, Nagpur	S/O	84	Shanti Dairy and Food Products, 194, Surya Nagar, Kalamna Market Road, Nagpur	S/O
74	Shree LaxmiTirupatimaMurmuraUdyog, Plot. No. 35,36, Ward. No. 42, Chikhali, Kalamna, Nagpur	S/O	85	Hotel Tuli International, Residency Road, Near Liberty theatre, Sadar, Nagpur	M/O
75	Eros Motors Private Ltd., Plot No. 7, City Survey No. 105, Ghat Road, Nagpur, Dist - Nagpur.	S/O	86	Hotel Amarjit Pvt. Ltd., 24, Central Bazar Road, Ramdaspath, Nagpur	S/O
76	Haldiram Food International Ltd., 880, Small factory Area, Bhandara Road, Nagpur	S/O	87	Hotel Airport Centre Point, (A unit of Amarjeeet Resorts Pvt. Ltd.,) At - Somalwada, Wardha Road, Nagpur, Dist - Nagpur.	O/MSI
77	Vidarbha Cold Storage, APMC Yard, Kalamna, Nagpur	O/SSI	88	Pride Hotel, Opp. Airport, Wardha Road, Nagpur	S/O



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON - ATTAINMENT CITY NAGPUR

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
89	Hotel Rajdhani, Plot. No. 1, Bhagwaghar Layout, C.A. Road, Nagpur	S/O	100	M/s. Liberty Food Industries, Plot No. 85, Near Janta Bank of Maharashtra, Jaripatka, Nagpur.	S/O
90	Hotel Hardeo Pvt. Ltd., Dr. MunjeMarg, Sitabuldi, Nagpur	S/O	101	Honey Food Products, 1462, Binaki, Mangalwari, Nr. Mehdibagh Road, Nagpur.	S/O
91	Larsen & Toubro Ltd., ECC Division, L&T Concrete, RMC Plant, Uppalwadi, Near Nagpur Industrial Estate, Kamptee Road, Nagpur	S/O	102	M/s. SUDHA OIL SEEDS, C. No. 11/17, Plot No. 923, 4th Rly Feeder Road, Lakadganj, Nagpur.	S/O
92	Stewols& Co. 5, Industrial Estate, Kamptee Road, Nagpur	S/O	103	Unnati Vehicles (P) Ltd., P/N 23, Chikhali layout, Kalamana Road, Dist - Nagpur.	O/SSI
93	N.K. Kusumgar& Co. Plot. No. 33, Rambag Road, BaidyanathChowk, Nagpur	S/O	104	The Nagpur Ashok, Laxmi Nagar, Aathrasta Square, Nagpur, Dist - Nagpur.	O/SSI
94	Heera Sweet Pvt. Ltd., Bhagat House, Dr. Ambedkar Road, Panchpaoli, Nagpur	S/O	105	Ashok Industries, Plot No. 49, ESIA Scheme ChikliLayout,Kalmana Road, Nagpur, Dist- Nagpur.	O/SSI
95	Apcons HMS Joint Venture Survey No - 45,46 - 1, 46-2, 47-1, MaaUmiya Transport Unit & Industrial Estate, Kapsi, Nagpur.	S/O	106	MAHAGENCO, Khaparkheda Thermal Power Station, 4x210 MW & 1X500 MW Khaparkheda, Tal Saoner ,Dist Nagpur	R/LSI
96	Persistent Systems Ltd., Plot No. 8 & 9, IT Park, MIDC Parsodi, Dist - Nagpur,Nagpur 440022.	L/O	107	TRIF REAL ESTATE AND DEVELOPMENT PVT LTD., Plot No. 1, Sr. No. 362/1, Ward No. 90. Medical Sq. to BaidynathChowk, Near Medical Sq. Ranbagh, Nagpur.	O/LSI
97	MahakaliNamkinBhandar, Plot No. 22, 23 & 24, Wanjara Industrial Area, Kamtee Road, Nagpur, Dist. - Nagpur.	S/O	108	TRIF REAL ESTATE AND DEVELOPMENT PVT LTD., Plot No. 1, Sr. No. 362/1, Ward No. 90. Medical Sq. to BaidynathChowk, Near Medical Sq. Ranbagh, Nagpur.	O/LSI
98	Mahindra First Choice Services limited plot no. 220, LakadganjChappruChowk, Near VandanaApartment, Nagpur.	O/SSI	109	TRIF REAL ESTATE AND DEVELOPMENT PVT LTD., Plot No. 2, Sr. No. 362/1, Ward No. 90. Medical Sq. to BaidynathChowk, Near Medical Sq. Ranbagh, Nagpur.	O/LSI
99	M/s. VasudeoAgro Industries, Plot No. 142, 143, 144, MaaUmiyaAudhyogkSahkariVasahat, Kapsi Road, Nagpur.	S/O	110	Sequel Motors Pvt. Ltd., 44/4, Wanjara Layout, Kamptee Road, Nagpur, Dist. - Nagpur.	O/SSI



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
111	A.K. Gandhi Cars (24/25, Great Nag Road, Nagpur, Dist. - Nagpur.	S/O	122	Chandra Dairy, Plot No. 97 West,Wanjara Layout, Kamptee Road, Nagpur, Dist. - Nagpur.	O/SSI
112	Orchid Green Project, Kh. No. 27/3 to 40/3, CitySurvey No. 39, mauza - Wathoda, Municipal Word No. 8, Tah& Dist. - Nagpur.	O/SSI	123	NI. I. T. Nagpur, Kh. No. 54, City Survey No. 173, Mauza - Wathoda, Sheshnagar, Middle Ring Road, Nagpur, Dist. - Nagpur.	O/LSI
113	Dinshaw's Dairy Foods Ltd., Gittikhadan, Gorewada Road, Nagpur, Dist. - Nagpur.	O/SSI	124	Ganesh Dall Industries, Plot No. 7, C. A. Road Gram Panchayatkandholi, Nagpur, Dist. - Nagpur.	O/SSI
114	MAHAGENCO, KTPS, 3x660 MW & 2x2210MW, KORADI, NAGPUR, KHASARA NO. 188-189, Koradi Tal Kamptee,Dist. Nagpur	R/LSI	125	Umiya Dal Mill, plot No.127, Eastern Industrial Area, Kalamna, Nagpur, Dist.- Nagpur	O/SSI
115	IndoraNamkeen Products, 92, Wanjra Industrial Area, kamtha Road, Nagpur, Dist. - Nagpur.	O/SSI	126	Augusta Motors Pvt. Ltd., 18th Milestone, Near Deshonnati Press, Amrawati Road, Gondkhiary, Nagpur.	O/SSI
116	VeeraDall Mill, Plot no. 436, Chikhli Layout, Kalamna, Nagpur, Dist - Nagpur	O/SSI	127	Annapurna Food Products, Plot No. 10 Chikhali Layout, Kalmana Road, Nagpur, Dist - Nagpur.	O/SSI
117	Navdurga Industries, Plot No. 68, Mauza - Chikhali, Kalamna Road, Nagpur, Dis.t - Nagpur.	O/SSI	128	SawlaDall Mills, Plot No. 199, Small Factory Area, Bagadgang, Nagpur., Dist - Nagpur	O/SSI
118	NakhateDall Mill, Plot No. 46, Chikhali Layout, Kalamna, Nagpur, Dist - Nagpur.	O/SSI	129	Ved Motors, 5 Rajat Tower, Indoara Square, kamptee Road, Nagpur, Dist - Nagpur.	O/SSI
119	MaaVaishnaviMahilaBachat Gat, Plot No. 65, AdarshVinkar Colony, Tandapeth, Nagpur, Dist - Nagpur.	O/SSI	130	Automotive Manufactures Pvt. Ltd., 34/3, /Kachimet, Amaravati Road, Wadi, Nagpur, Dist - Nagpur.	O/SSI
120	SanjivaniMahilaBachat Gat, Plot No. 16, Malapure Layout Nos.3, Jaitala Road, Sharda Nagar, Nagpur, Dist - Nagpur.	O/SSI	131	PriyaDallUdyog, 18, E.I.A. S. Scheme Chikhali Layout, Nagpur, Dist - Nagpur.	O/SSI
121	Automotive Manufactures Pvt. Ltd.,575, Kamptee Road, Nagpur, Dist - Nagpur.	O/SSI	132	Kalpaviriksh Cold Storage, Plot no. 72, Mauza - ChikhliDeosthan, In EIAS Nagpur, Dist - Nagpur.	O/SSI



MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON - ATTAINMENT CITY NAGPUR

Sr. No.	Industry Name & Address	Ind Cat L M S R O G	Sr. No.	Industry Name & Address	Ind Cat L M S R O G
133	Balaji Steel Industries, Imamwada Road, Nagpur, Dist - Nagpur.	O/SSI	145	Goyal Ware House Cold Storage & Ice Plant (P) Ltd., Plot. No. 88, EIA Scheme, Chikhali, Kalmana, Nagpur	S/G
135	Shiv Ganesh Industries, Plot No. 20, Chikhali Layout, Bharatwada Road, Nagpur.	O/SSI	146	Ravi Industries, Near ChinteshwarMandir, Itwari, Nagpur	S/G
136	National Food Products, Ghat Road, Nagpur	S/G	147	Vaidia Industries, 46-B, Great Nag Road, Imamwada, Nagpur	S/G
137	Marico Food Products, P. No. B-21/22, umiya Colony Wathoda ROAD, NAGPUR	S/G	148	G.K. Agro Industries, Plot. No. 278, Chikhali Layout, Nagpur	S/G
138	Manish Oil Industries, Plot. No. 7, Kalamna Market Road, Nagpur	S/G	149	SonuMonu Industries, 212, Small Factory Area, Bagadganj, Nagpur	S/G
139	Vishal Fabrication Works, 17, Rameshwary Road, Jai Bhim Nagar, Nagpur	S/G	150	SaiChanduramBackery, Plot No. 255, Near jantaHospital, Jaripatka, Nagpur, Dist - Nagpur.	S/G
140	Shree Ram Industries, 240, Middle Ring Road, Nagpur	S/G	151	Paris Food Industry,P.No 1465, Binaki Layout, Vaishali Nagar, Nagpur.	S/G
141	Taj Teak Pvt. Ltd., 96, Wanjara Layout, Kamptee Road, Nagpur	S/G	152	Mahesh Oil Industries ,15-C, KutalpurAudhyogikSahakariVasahat, Dist- Nagpur	S/G
142	ISCO Track Sleeper Pvt. Ltd., Railway yard, Kalamna, Nagpur	S/G	153	M/s. Malik Sales Corporation, Plot No. 15C, Nagpur Industrial Estate Co. Op. Society Ltd., Uppalwadi, Kamptee Road, Nagpur.	S/G
143	Vinayak Industries, 436, Dipti Signal, Chikhali Layout, Nagpur	S/G	154	Indu Construction, Affordable LIG and MIG income group on NIT Land bearing kh. No. 54 city sr, no. 173 Mauza - Wathoda, Sheshnagar, Middle Ring Road, Dist - Nagpur.	G/SSI
144	Khatri Industries, Plot No. 58, EIAS, Chikhali Layout, Kalamna, Dist - Nagpur	G/SSI	155	Shree Heera Sweets, Plot No. 19, Kh. No. 155/6, Ward No. 57, Nari Industrial Area, Nagpur, Dist - Nagpur.	G/SSI

Annexure - IP1.4 & 2.1

Sr. No.	Industry Name & Address	Ind Cat R/O/G LSI/MSI/SSI
1	MAHAGENCO, KTPS, 3x660 MW, KORADI, NAGPUR, KHASARA NO. 188-189, Koradi Tal Kamptee, Dist. Nagpur	R/LSI
2	Koradi Thermal Power Staion, MAHAGENCO, KTPS, 2x2210MW, KORADI, NAGPUR, Koradi Tal Kamptee, Dist. Nagpur	R/LSI
3	MAHAGENCO, Khaparkheda Thermal Power Station, 4x210 MW & 1X500 MW Khaparkheda, Tal Saoner, Dist. Nagpur	R/LSI
4	Superb Hygienic Disposal, Bhandewadi, Nagpur	R/LSI

Annexure: - Creation of Green Cover

रोड डिव्हॉयडर, लॅन्डस्केप देखभाल अहवाल अपडेट 16.07.2021

अ.क्र.	स्थळ (दुभाजकाचे नांव)	लांबी/ क्षेत्रफळ	देखभाल करणाऱ्या संस्थेचे नांव (प्रायोजकाचे नांव)
1	आठ रस्ता चौक ते लक्ष्मीनगर चौक	63 (Planter)	श्री. संजय गुप्ता (हॉटेल नागपूर अशोक)
2	लोकमत चौक ते काचीपूरा चौक	2129 Sqm.	मनपा, नागपूर
3	माटे चौक	99 Sqm.	मनपा, नागपूर
4	आर.बी.आय चौक ते लेडीज क्लब चौक	1495 Sqm.	निको ग्रुप
5	भोले पेट्रोल पंप ते हायकोर्ट	920 Sqm.	निको ग्रुप
6	आर.बी.आय. क्वॉर्टर चौक ते एम.एल.ए. हॉस्टेल चौक	299 Sqm.	निको ग्रुप
7	यूनियन बँक चौक ते आर.बी.आय क्वॉर्टर चौक	780 Sqm.	निको ग्रुप
8	राम गौरी वाय पॉईंट	50 Sqm.	निको ग्रुप
9	लॉ कॉलेज चौक ते रवीनगर चौक	550 Sqm.	निको ग्रुप
10	महाराजबाग चौक उर्सूला गर्ल्स हायस्कूल	731 Sqm.	निको ग्रुप
11	आर.बी.आय चौक ते एल.आय.सी चौक	425 Sqm.	श्री. भरत पारेख (एल.आय.सी.)
12	गव्हर्मेन्ट प्रेस ते यूनियन बँक चौक	385 Sqm.	गुप्ता कॉर्पोरेशन लिमिटेड
13	सदर पोलिस स्टेशन चौक ते छावणी चौक	Planter	युगांतर एज्युकेशन सोसायटी
14	दिक्षाभूमी चौक ते अलंकार टॉकिज चौक	Planter	श्री आशुतोष श्रीवास्तव, अध्यक्ष नवभारत भवन
15	तुकडोजी पुतळा चौक ते बजाज हॉस्पिटल चौक	500 Sqm.	कोठारी ज्वेलर्स
16	शंकरनगर चौक ते बजाजनगर चौक	800 Sqm.	श्री. मंगेश काशीकर एन एच 1, युनिट ऑफ कावेरी क्रिएशन
17	बजाजनगर चौक ते लक्ष्मीनगर चौक	800 Sqm.	थिंक कंसलटंट
18	शिवणगाव ते प्राईड हॉटेल	300 sqm.	फायर ॲकॉर, इन्फ्रास्ट्रक्चर प्रा. लि.
19	सारडा चौक (हरिहर मंदीर रोड) ते कुंभार टोली चौक	385 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
20	स्वप्नलोक बिल्डींग ते वर्धमाननगर पावर हाऊस	551 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
21	वैष्णोदेवी चौक ते स्वप्नलोक बिल्डींग चौक	452 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
22	छापरुनगर चौक लॅन्डस्केप	297 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
23	गंगाबाई घाट चौक ते कुंभारटोली चौक	25 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
24	कुंभारटोली चौक ते स्वप्नलोक बिल्डींग	42 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.

MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON - ATTAINMENT CITY NAGPUR

25	स्वप्नलोक बिल्डींग ते हिवरीनगर चौक	24 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
26	पारडी चौक ते रेल्वे क्रॉसिंग	16 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
27	व्ही.सी.ए. ग्राऊंड ते उच्च न्यायालयाचे मुख्य द्वार	628 Sqm.	मनपा, नागपूर
28	व्हेरायटी चौक ते लॉ कॉलेज चौक	Planter	मनपा, नागपूर
29	रविनगर चौक ते युनिव्हर्सिटी कॅम्पस चौक	1563 Sqm.	मनपा, नागपूर
30	राजभवन ते विद्युत भवन चौक	400 Sqm.	मनपा, नागपूर
31	कडबी चौक ते गोंडवाना चौक	159 Sqm.	करण कोठारी ज्वेलर्स
32	लक्ष्मीनगर चौक ते रहाटे कॉलनी चौक	1196 Sqm.	रोकडे ज्वेलर्स
33	छत्रपती चौक ते हिंणगा टी-पॉईंट प्रियदर्शनी होस्टेल	12338 Sqm.	नवभारत प्रेस इच्छुक आहे
34	विद्युत भवन चौक ते काटोल नाका चौक	3619 Sqm.	मनपा, नागपूर
35	लॉ कॉलेज चौक ते जॅपनीज गार्डन, वेस्ट हायकोर्ट रोड	1412 Sqm.	निको ग्रुप
36	हसनबाग रोड		श्री. कोठारी ज्वेलर्स
37	अशोक चौक ते मेडीकल चौक	360 Sqm.	श्री सतिष रांका महाव्यवस्थापक दैनिक भास्कर नागपूर
38	बैधनाथ चौक ते अशोक चौक	360 Sqm.	श्री सतिष रांका महाव्यवस्थापक दैनिक भास्कर नागपूर
39	तुकडोजी पुतळा चौक ते किडा चौक	300 Sqm.	श्री इमरान शेख, बी.सी. एन. डिजिटल न्यूज
40	बैधनाथ चौक ते मेडीकल चौक	300 Sqm.	श्री आशूतोष श्रीवास्तव, अध्यक्ष नवभारत भवन
	वाहतूक बेट		
1	कॉंग्रेसनगर टी पॉईंट	129 Sqm.	मनपा, नागपूर
2	कलेक्टर ऑफिसच्या समोर	195 Sqm.	निको ग्रुप
3	बाजीप्रभु देशपांडे चौक, रामनगर	338 Sqm.	दंदे फाऊंडेशन
4	विधान भवन चौक चॅनलायजर	279 Sqm.	निको ग्रुप
5	बख्त बुलंद शाह पुतळा	50 Sqm.	श्री. भरत पारेख
6	युनियन बँक चौक	30 Sqm.	सिव्हील लाईन्स असोसिएशन/संदीप डव्हेलर्स
7	राजा रानी चौक	40 Sqm.	सिव्हील लाईन्स असोसिएशन व एच.डी.एफ.सी. बँक
8	शिवाजीनगर चौक, हिवरीनगर	518 Sqm.	श्री. विकास बजाज, एल-7 व्होकेशन प्रा. लि.
9	बरबटे चौक, लकडगंज	480 Sqm.	श्री. विशाल बरबटे

MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR

10	रविनगर चौक आयलैंड	80 Sqm.	डॉ. सेन गुप्ता हॉस्पिटल
11	हेडगेवार चौक	520 Sqm.	नागपूर महामेट्रो रेल लि.
12	रेशिमबाग ग्राऊंड समोरील सिमेंट रोड	780 Sqm.	श्री. कोठारी ज्वेलर्स
13	अशोक चौक ते जगनाडे चौक	1551 Sqm.	ओरिएंट होटेल
		39584 Sqm.	

महानगरपालिकातर्फे सन 2021-22 या वर्षात नागपूर शहरात वृक्ष लागवड मोहिम अंतर्गत ऑक्सीजन झोन निर्माण करणे.

अनु. क्र.	वृक्ष लागवडीचे ठिकाण	पत्ता	जी. पी. एस. लोकेशन		झाडाची प्रजाती	संख्या	छायाचित्र
			लॅटीट्यूट	लॉन्गिट्यूट			
1	भविष्य निर्वाह निधी समोरील परिसरात वृक्षारोपण	2812 ए. सोलंकी पाटील वाडी नागपूर	21.1211214	79.120693	कडूनिम, करंजी, कदंब, पिंपळ	1000	होय
2	इंद्रादेवी टाउन नंदनवन, पी.यू. लॅण्ड परिसरात वृक्षारोपण	उमरेड रोड इंद्रादेवी टाऊन वाढोडा लेआउट नागपूर	2185.1108	7985.91	कडूनिम, करंजी, कदंब, पिंपळ, बांबू, आवळा, वड	176	होय
3	मिनीमातानगर पाण्याची टाकी परिसरात वृक्षारोपण	मिनीमातानगर नागपूर	21.92000	79.802400	कडूनिम, करंजी, कदंब, बकूल, चाफा	250	होय
4	रस्त्याच्या दुतर्फा वृक्षारोपण	लकडगंज, खरबी, नागपूर	21.88000	79.8440	कडूनिम, करंजी, रेन्ट्री, कदंब, इत्यादी.	67	होय
5	नारा मनपा शाळा	3133 बी, शंभूनगर नागपूर	21.204842	79.0900291	कडूनिम, करंजी, कदंब, पिंपळ	100	होय
6	सतनामी नगर मनपा शाळा मैदान	लकडगंज नागपूर	21.1498293	79.1303519	कडूनिम, करंजी, जांभूळ	55	होय
7	विनायकराव देशमुख अनाथ आश्रम हायस्कूल, कच्छिदीसा	गरोबा मैदान नागपूर	21.84600	79.75500	कडूनिम, करंजी, जांभूळ	40	होय
8	ओ.सी.डब्ल्यू. ऑफिस, हिवरीनगर	हिवरीनगर	21.835000	79.75800	कडूनिम, करंजी, जांभूळ	25	होय
9	बाभूळबन सुगत बौध्द विहार	3126 गरोबा मैदान शास्त्रीनगर नागपूर	21.8351564	79.7581736	कडूनिम, करंजी, जांभूळ	25	होय
10	कस्तूरबा, नगर पार्क, झुलेलाल पार्क, डॉ. बाबासाहेब आंबेडकर पार्क, त्रिशरण पार्क	28 शंभूनगर नागपूर	21.1921863	79.0854611	कडूनिम, करंजी, जांभूळ	1000	होय
एकूण :-						2738	

Annexure: - Creation of Green Cover

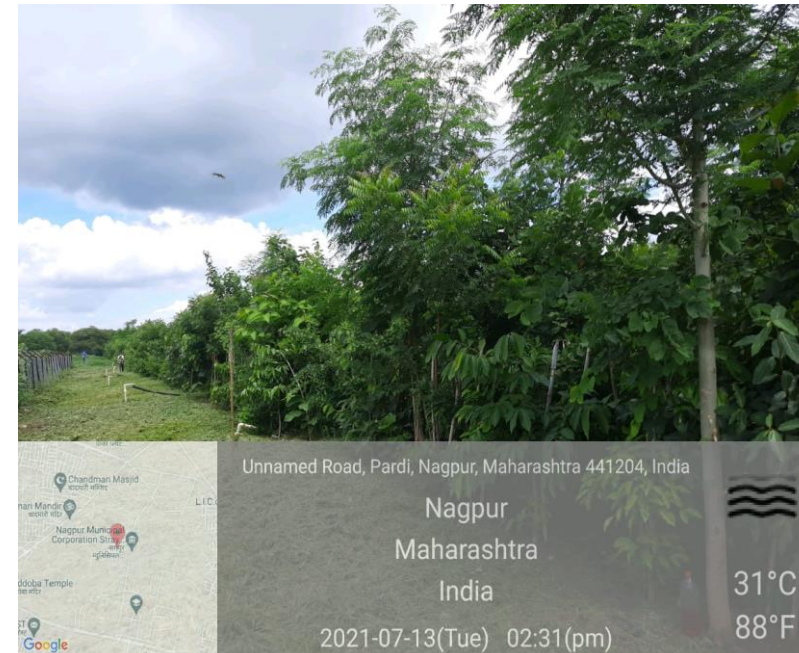
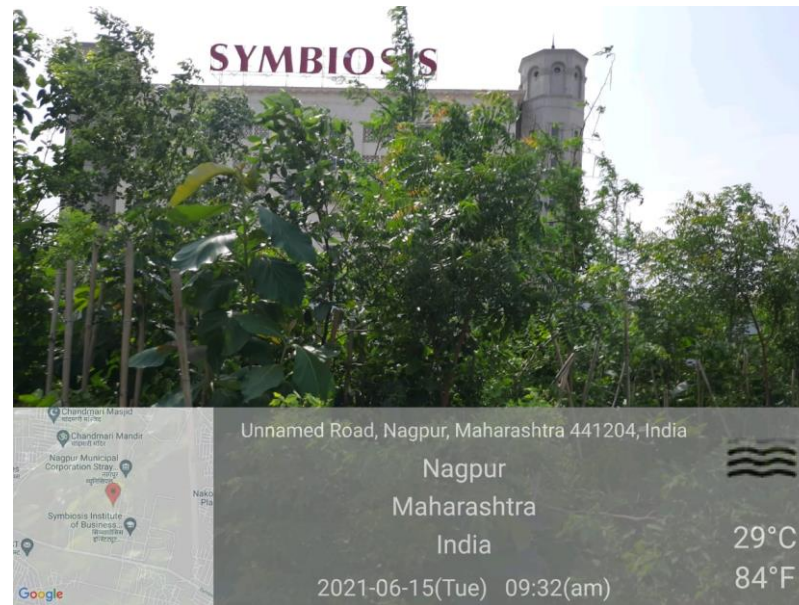






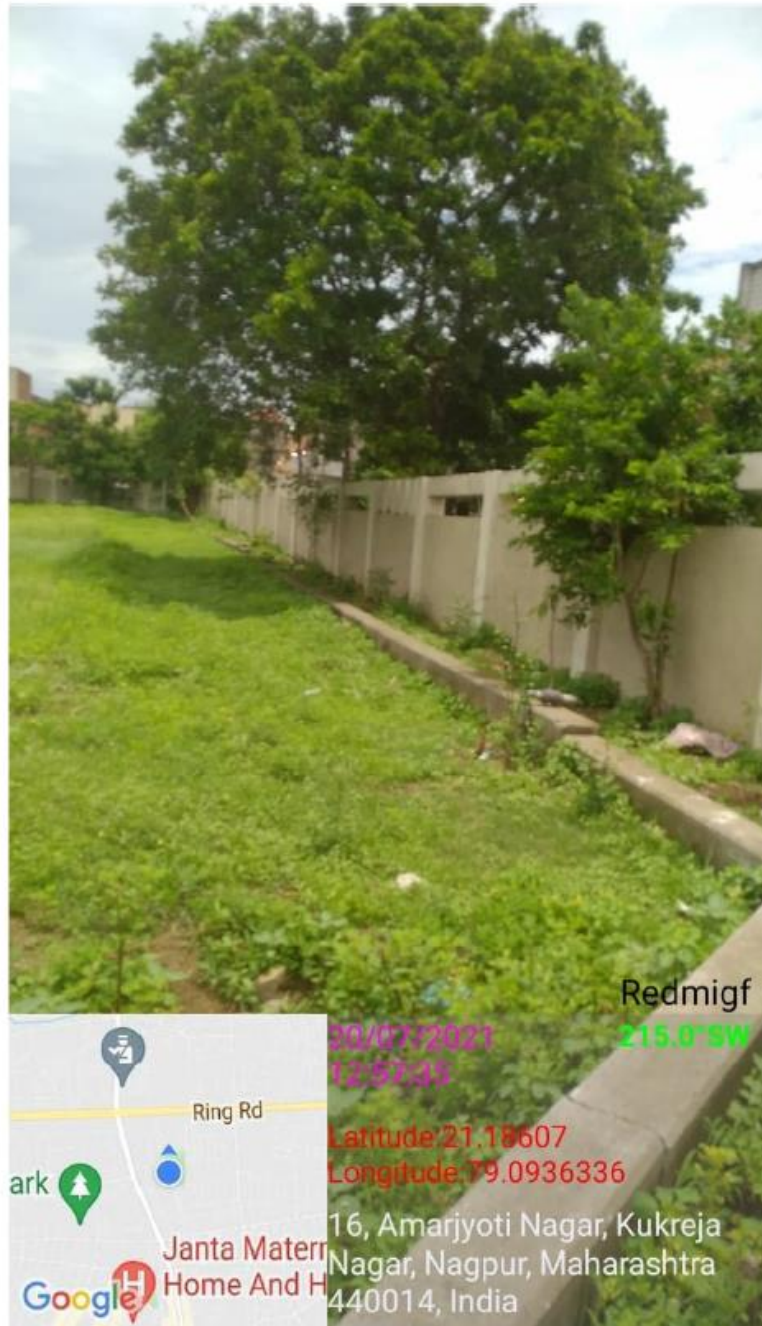


MICRO PLAN FOR AIR QUALITY MANAGEMNT OF NON – ATTAINMENT CITY NAGPUR









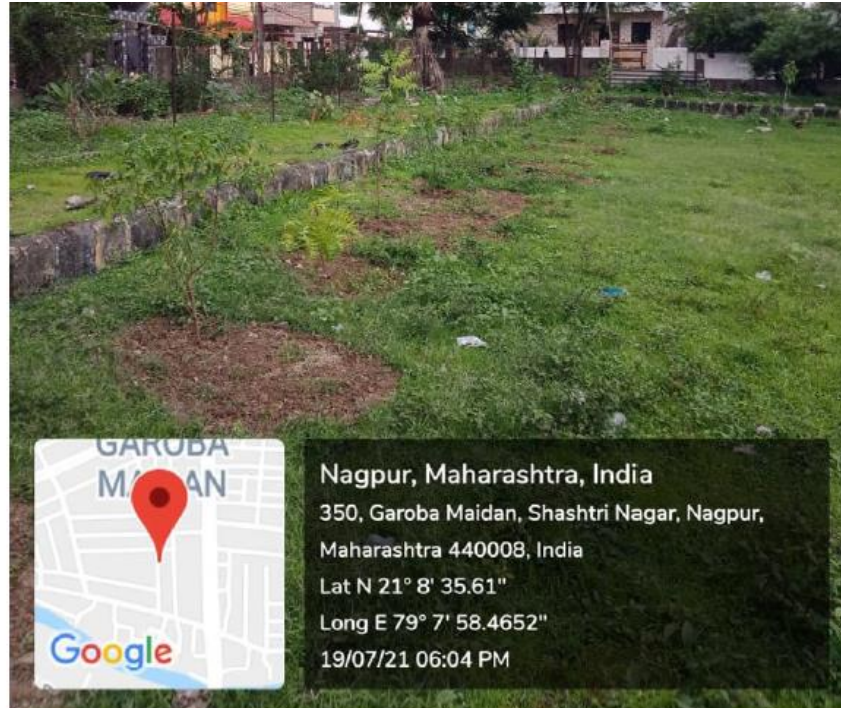






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