



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: July 8, 2021

To,
Mr. Alok Chaudhary (Owner)
at Khasra. No.195/1,2,186

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemical Manufacturing unit Industry under category 5 (f), B2.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 192nd (A+B) -Day 3rd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 220th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	M/s. SBL Energy Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Alok Chaudhary (Owner)
4.Name of Consultant	M/s. SGM Enviro (I) Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Existing unit is in operation before the commencement of EIA notification, 2006. Hence EC was not obtained for the existing project.
8.Location of the project	Khasra. No.195/1,2,186
9.Taluka	Katol
10.Village	Yenvera, Kotwalbuldi
Correspondence Name:	M/s. SBL Energy Ltd., Khasra. No. 115,116/1,116/2,116/3,117,172/1,176/2,177, 110,111,112,113, 195/1,195/2, 196/2, 196/3, 182,183,184/1, 184/2, 185/1, 185/2,186, 267,268,269,270,271/1,271/2, 272,274,275,276,106,109
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Yenvera & Kotwalbuldi
City:	Nagpur
11.Whether in Corporation / Municipal / other area	In Grampanchayat Kotwalbuldi
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: PESO Ref No. E/HQ/MH/21/923(E44341) Approved Built-up Area:

SEIAA Meeting No: 220 Meeting Date: May 14, 2021 (SEIAA-STATEMENT-000003507)
SEIAA-MINUTES-000003378
SEIAA-EC-000002356

Page 1 of 13

Manisha Patankar Mhaiskar (Member Secretary SEIAA)

13.Note on the initiated work (If applicable)	No work has been initiated on site with respect to proposed expansion.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Grampanchayat NOC, NA Permission
15.Total Plot Area (sq. m.)	98800Sq.m.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 210.53
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 22-12-2020
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	423500000



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	All types of Detonators (Million No./M)	9.0	3.08	12.08
2	Slurry/ Emulsion Explosives (MT/M)	8000.0	7500.0	15500.0
3	Detonating Fuse (Million metres/M)	12.5	0.42	12.92
4	PETN- PentaErythritol tetra nitrate & Cast Booster (MT/M)	26.31	232.0	258.31
5	TNT(MT/M)	0	250	250

23. Total Water Requirement

Dry season:	Source of water	CGWA
	Fresh water (CMD):	19.9
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	19.9
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	10 KL
	Excess treated water	0
Wet season:	Source of water	CGWA
	Fresh water (CMD):	19.9
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	19.9
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	10 KL
	Excess treated water	0

Details of Swimming
pool (If any)

Not applicable



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**SEIAA Meeting No: 220 Meeting Date: May 14, 2021 (SEIAA-
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SEIAA-MINUTES-000003378
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Page 4 of 13

**Manisha Patankar Mhaiskar (Member
Secretary SEIAA)**

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	2.3	0	2.3	0.5	0	0.5	1.8	0	1.8
Industrial Process	0.3	2.0	2.3	0.06	1.24	1.3	0.24	0.76	1.0
Cooling tower & thermopack	13.3	0	13.3	0	0	0	0	0	0
Gardening	0	2.0	2.0	0	0	0	0	0	0

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	Water level on an average in pre-monsoon is 8.2 m bgl whereas in post monsoon it is 3.6m bgl. The annual average fluctuation is 4.6 m
	Size and no of RWH tank(s) and Quantity:	6 no. of RWH PIT
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	0
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	10 Lac
	Budgetary allocation (O & M cost) :	1 Lac/Annum
	Details of UGT tanks if any :	NA

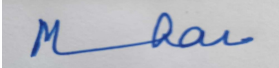
26.Storm water drainage	Natural water drainage pattern:	The drainage of the area is mainly controlled by topography.
	Quantity of storm water:	NA
	Size of SWD:	Natural Drainage

27.Sewage and Waste water	Sewage generation in KLD:	1.8
	STP technology:	MBBR
	Capacity of STP (CMD):	1 x 3 CMD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	5 Lakh
	Budgetary allocation (O & M cost):	1.5 Lakh

28.Solid waste Management

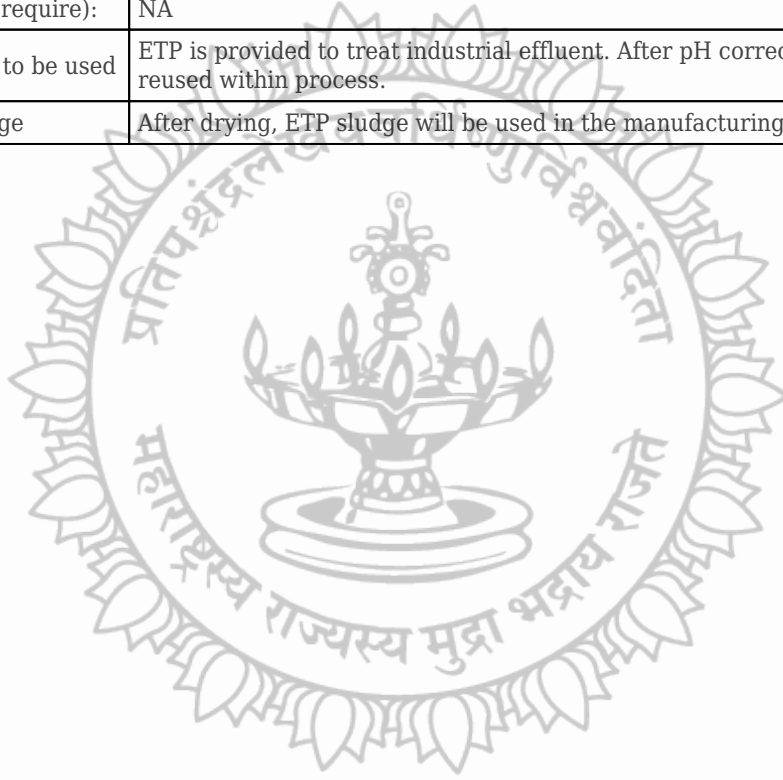
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Negligible
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	1. Packaging material - Existing = 150 Kg/A, Proposed= 150 kg/A 2. Ash from Boiler- Existing= 34 MT/A, Proposed= 8 MT/A 3. Empty Containers- Existing= 130 Pcs/A, Propose= 130 Pcs/A
	Wet waste:	NA
	Hazardous waste:	ETP sludge - Existing =24 Kg/A, Proposed = 12 kg/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 Kg/M
	Others if any:	No
Mode of Disposal of waste:	Dry waste:	Packaging Material will be reused, Ash will be used for landfilling in own premises, containers will be sold to authorized dealers.
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge will be used as manure in own garden
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	Separate Storage yard will be provided for storage of waste and other material Area: 300 Sq. M
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5.0 Lacs
	O & M cost:	1.0 Lacs

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29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	1.2	6.3	5.5-9.0
Amount of effluent generation (CMD):		1.0			
Capacity of the ETP:		2 CMD			
Amount of treated effluent recycled :		100% recycled within process			
Amount of water send to the CETP:		0			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		ETP is provided to treat industrial effluent. After pH correction, this effluent will be reused within process.			
Disposal of the ETP sludge		After drying, ETP sludge will be used in the manufacturing process			



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30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	-	Kg/A	24	12	36	Use in process

31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing Boilers 2 No.s (1 Standby)	Biomass Briquettes- Existing 135 Kg/hr, Proposed 20 kg/hr	1	30 m	-	-
2	Existing DG set 1- Standby- 140 KVA	HSD- 40 Lit/hr	2	3 m	-	-
3	Existing DG set 2- Standby-140 KVA	HSD- 45 Lit/hr	3	3 m	-	-
4	Proposed DG set-500 KVA	HSD- 90 Lit/hr	4	3 m	-	-

32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	For Boilers - 2 No.s (1 Standby)	Biomass Briquettes- 135 Kg/hr	Biomass Briquettes= 20 Kg/hr	155 Kg/hr
2	HSD for DG sets	85 Lit/hr	90 Lit/hr	175 Lit/hr

33. Source of Fuel: Local Vendor

34. Mode of Transportation of fuel to site: By road

35. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Exisitng= 377.0 KW, Proposed= 500.0 KW
	During Operation phase (Demand load):	Exisitng= 370.0 KW, Proposed= 480.0 KW
	Transformer:	Exisitng= 500 KVA, No extra provision required
	DG set as Power back-up during operation phase:	Exisitng= 2 No.s - 1 x 140 KVA, 1x 140 KVA, Proposed = 1 no. of 500 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

Energy saving by non-conventional method:

Use of Solar energy - Street light= 50 No.s x 50 KW 2.5 KW saving.
Use of solar lights for Office building and parking area, internal roads.

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of Solar energy	0.67 %
2	Use of LED in Office Buildings , street light, working building	4.0 %

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	stack height of 30 m has been provided with Dust collector	Same will be continued
Water	Septic Tank with Soak Pit	STP will be provided
Noise	Green belt development, provision of acoustic enclosure, PPE	Green belt maintenance, provision of acoustic enclosure, PPE
Solid Waste	Separate Storage Area	Separate Storage Area
Green belt	Green belt development	Green belt maintenance

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	13 Lakh
	O & M cost:	2 Lakh

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environment Monitoring and Management	Environment Monitoring and Management	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Pollution-Domestic effluent	STP of 3.0 CMD will be provided.	10	2.0
2	Water Pollution-Industrial Effluent	Existing ETP of 2.0 CMD is provided. Scrubber is provided at PETN effluent	2.0	2.0
3	Air Pollution- Existing APC system	Existing Stack of adequate height is provided with Dust Collector to Boiler.	40	1.5
4	Noise Pollution	PPEs if required, DG sets are with Acoustic enclosures, Green belt development	2.0	0.5
5	Existing Green Belt	Tree plantation & its maintenance	25	2.0

6	Environment Monitoring and Management	Environment Monitoring and Management- PM10, PM2.5, SO2, NOx, Other required Air, Water, Soil quality parameters, Noise level- day, night dB(A)	-	3.0
7	Rain Water Harvesting	Existing farm Pond	10	5.0
8	Occupational Health & Safety measures	Health Check-up, PPE provision, Safety measures, Medical checkup	10	1.5
9	Solid waste	Solid waste management	5.0	1.0
10	Energy Conservation	Energy Conservation Measures	13	2.0

39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
TNT	-	On ground at specified place	40	40	40	Local Vendor	By Road
Styphnic acid	-	On ground at specified place	0.5	0.5	0.5	Local Vendor	By Road
Lead Styphnate	-	On ground at specified place	0.5	0.5	0.5	Local Vendor	By Road
Lead Azide	-	On ground at specified place	1	1	1	Local Vendor	By Road
Stibine	-	On ground at specified place	0.83	0.83	0.83	Local Vendor	By Road
Ammonium Nitrate	-	On ground at specified place	340	340	340	Local Vendor	By Road

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f) B2
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 220th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to implement the Guidelines for restoration of manufacturing industries after lockdown period issued by Ministry of Home Affairs, National Disaster Management Authority on 09.05.2020 amended from time to time.
II	PP to carryout HAZOP study and Quantitative Risk Assessment and implement all recommendation on site.
III	PP to provide solar energy for the illumination of office building, street lights and parking areas
IV	PP to ensure to obtain PESO approval for storage of flammable and toxic chemicals on site
V	PP to utilize their CER fund of Rs. 37 Lakhs. to create sustainable infrastructure like clean drinking water, sanitation facilities , solar energy in the Z.P. Schools/ Primary Health Centres in the vicinity of the project in consultation with the District Authority
VI	PP to undertake Miyawaki plantation of native and indigenous trees in the proposed 33 % green belt as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
VII	PP to ensure to provide Zero Liquid Discharge Effluent Treatment Plant.
VIII	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
IX	PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
X	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
XI	PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
XII	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
XIII	PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
XIV	PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
XV	PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.

XVI	11.PP to provide roof top Rain Water Harvesting facility.
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General Conditions:

I	I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at http://parivesh.nic.in
II	II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
III	III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
IV	IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
V	V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
VI	VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
VII	VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
VIII	VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
IX	IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
X	X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
XI	XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
XII	XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

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4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

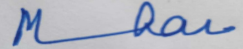
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Manisha Patankar Mhaiskar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER NAGPUR
6. REGIONAL OFFICE MPCB NAGPUR
7. REGIONAL OFFICE MIDC NAGPUR
8. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
9. COLLECTOR OFFICE BHANDARA
10. COLLECTOR OFFICE NAGPUR
11. COLLECTOR OFFICE WARDHA
12. COLLECTOR OFFICE GADCHIROLI

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