



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: September 20, 2019

To,  
**Paranjape Schemes (Construction) Limited**  
at Survey No. 136/2, Baner Pashan Link Road, Pune ,Maharashtra

**Subject:** Environment Clearance for Application for proposed expansion of Residential Complex

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-III, Maharashtra in its 90th 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 174th meetings.


2. It is noted that the proposal is considered by SEAC-III under screening category 8 (a) B2 as per EIA Notification 2006.

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

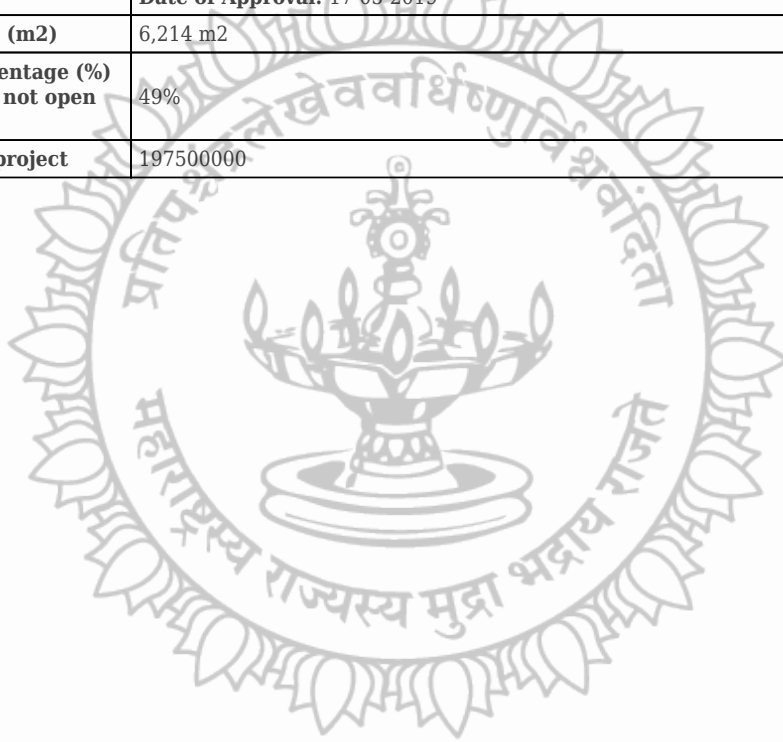
1.Name of Project	Magnolia by Paranjape Schemes (Construction) Limited
2.Type of institution	Private
3.Name of Project Proponent	Paranjape Schemes (Construction) Limited
4.Name of Consultant	Mahabal Enviro Engineers Pvt.Ltd. , Thane , Maharashtra
5.Type of project	Residential and Commercial Project
6.New 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	Yes, We have received Environment Clearance from Ministry of Environment and Forest GoI vide no. 21-670/2006-IA.III Dated 25th June 2007.
8.Location of the project	Survey No. 136/2, Baner Pashan Link Road, Pune ,Maharashtra
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Paranjape Schemes (Construction) Ltd. Blue Ridge, Near Cognizant, Rajiv Gandhi Infotech Park-Phase I, Hinjawadi, Pune-411057
Room Number:	-
Floor:	-
Building Name:	Blue Ridge
Road/Street Name:	Near Cognizant, Rajiv Gandhi Infotech Park-Phase I
Locality:	Hinjawadi
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Sanction plan received from Pune Municipal Corporation vide CC/0319/19 Dated 17.05.2019 <b>IOD/IOA/Concession/Plan Approval Number:</b> Sanction plan received from Pune Municipal Corporation vide CC/0319/19 Dated 17.05.2019 <b>Approved Built-up Area:</b> 35966

**SEIAA Meeting No: 174 Meeting Date: August 29, 2019 ( SEIAA-STATEMENT-000001583 )**  
**SEIAA-MINUTES-0000002458**  
**SEIAA-EC-0000002017**

Page 1 of 14

  
**Shri. Anil Diggikar (Member Secretary SEIAA)**

13.Note on the initiated work (If applicable)	Completed construction work as per earlier Environment Clearance .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	17,400 m2
16.Deductions	4,601 m2
17.Net Plot area	12,799 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 25,064 m2
	Non FSI area (sq. m.): 11,692 m2
	Total BUA area (sq. m.): 36756
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 24,274 m2
	Approved Non FSI area (sq. m.): 11,692 m2
	Date of Approval: 17-05-2019
19.Total ground coverage (m2)	6,214 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49%
21.Estimated cost of the project	197500000



# Government of Maharashtra

## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

## 23. Total Water Requirement

<b>Dry season:</b>	Source of water	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	19 m3/day
	Recycled water - Flushing (CMD):	16 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	35 m3/day
	Fire fighting - Underground water tank(CMD):	100 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	15 m3/day
<b>Wet season:</b>	Source of water	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	19 m3/day
	Recycled water - Flushing (CMD):	16 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	35 m3/day
	Fire fighting - Underground water tank(CMD):	100 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	15 m3/day
<b>Details of Swimming pool (If any)</b>	NA	

## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	22-25 meter
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	2 Nos.
	<b>Size of recharge pits :</b>	2 m x 2 m x 2 m
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 3 Lakh
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 1 Lakh/year
<b>Details of UGT tanks if any :</b>	Underground tank- 1) Domestic UGT- 37 m3 2) Flushing UGT- 16 m3 3) Fire UGT- 100 m3 Overhead tank- 1) Domestic overhead tank -19 m3 2) Flushing overhead tank - 16 m3 3) Fire overhead tank - 10 m3	

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	By gravity
	<b>Quantity of storm water:</b>	70 m3 /hr
	<b>Size of SWD:</b>	300 mm

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	33 m3/day
	<b>STP technology:</b>	MBBR
	<b>Capacity of STP (CMD):</b>	1 no. x 35 m3/day
	<b>Location &amp; area of the STP:</b>	Stilt Floor
	<b>Budgetary allocation (Capital cost):</b>	Rs. 21 Lakh
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 6 Lakh/year

## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	3,200 m <sup>3</sup>
	<b>Disposal of the construction waste debris:</b>	Top soil will be used for landscaping. The construction debris will be utilized at site for road paving and plinth filling.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	116 kg/day
	<b>Wet waste:</b>	39 kg/day
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	0.3 kg/day
	<b>Others if any:</b>	NA
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated and will be handed over to recycler .
	<b>Wet waste:</b>	Wet waste will be composted and used as organic manure for landscaping .
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Dry sludge will be used as manure for landscaping .
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Stilt floor
	<b>Area for the storage of waste &amp; other material:</b>	25 m <sup>2</sup>
	<b>Area for machinery:</b>	4 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 6 Lakh
	<b>O &amp; M cost:</b>	Rs. 1 Lakh/year

# Government of Maharashtra

## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			



# Government of Maharashtra



### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

33. Source of Fuel Not applicable

34. Mode of Transportation of fuel to site Not applicable

### 35. Energy

<b>Power requirement:</b>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	48 kW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	600 kW
	During Operation phase (Demand load):	450 kW
	Transformer:	1 no. x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

#### Energy saving by non-conventional method:

1. Installation of Solar PV panels at 1% of Demand Load
2. Use of LED Lights
3. Energy efficient motors and pumps

### 36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Use of solar PV panels	1%		
<b>37.Details of pollution control Systems</b>				
<b>Source</b>	<b>Existing pollution control system</b>	<b>Proposed to be installed</b>		
Not applicable	Not applicable	Not applicable		
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 4 Lakh		
	<b>O &amp; M cost:</b>	Rs. 1 Lakh/year		
<b>38.Environmental Management plan Budgetary Allocation</b>				
<b>a) Construction phase (with Break-up):</b>				
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>	
1	Air Environment	Water for dust suppression	Rs.1	
2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	Rs.2	
3	-	Disinfection at site	Rs.1	
4	-	Health check-up for workers, first aid kit	Rs.1	
5	-	Safety net	Rs.1	
6	Environment management	For Air, Noise, Water Analysis	Rs.1	
7	-	Site fencing & noise barrier	Rs.2	
8	-	Traffic management	Rs.1	
9	-	Vehicle maintenance, washing area, tyre cleaning	Rs.1	
10	-	Tree plantation & water utilization	Rs.1	
11	Training and awareness	Safety personal protective equipment & Training programs	Rs.1	
12	Total	-	Rs.13	
<b>b) Operation Phase (with Break-up):</b>				
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>
1	Water Environment	-	-	-
2	Sewage treatment plant	1 no. of STP having capacity of 35 m3/day	Rs.21	Rs.6
3	Rain Water Harvesting	2 no. of proposed recharge pits of size 2 m x 2 m x 2 m	Rs.3	Rs.1
4	Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC (1 nos.)	Rs.6	Rs.1



5	Landscape development	184 nos. of trees to be planted. Developed and maintained landscape area is 1,461 m2	Rs.5	Rs.1
6	Air Environment	-	-	-
7	Environmental Monitoring	Monitoring and analysis of Air and Noise, water, soil etc	MoEF Approved Lab	Rs.3
8	Energy Conservation	Solar street lighting	Rs.4	Rs.1
9	Fire Fighting System	-	Rs.35	Rs.4
10	Total	-	Rs.74	Rs.17

### 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
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40.Any Other Information

No Information Available

Government of  
Maharashtra

	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a) B2
	<b>Court cases pending if any</b>	Not Applicable
	<b>Other Relevant Informations</b>	This project has received Environment Clearance from Ministry of Environment and Forest GoI vide no. 21-670/2006-IA.III Dated 25th June 2007. We have completed construction of Residential Project as per given Environmental Clearance. We are applying for expansion of Commercial project.
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

**3. The proposal has been considered by SEIAA in its 174th 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:**

<b>I</b>	.
<b>II</b>	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA.
<b>III</b>	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
<b>IV</b>	SEIAA decided to grant EC for: FSI: 24274.35 m2, Non-FSI:11692.00 m2 and Total BUA: 35966.35 m2 ( Approval no-CC/0319/19, Date-17.05.2019)

**General Conditions:**

<b>I</b>	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
<b>II</b>	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
<b>III</b>	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
<b>IV</b>	PP has to abide by the conditions stipulated by SEAC& SEIAA.
<b>V</b>	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
<b>VI</b>	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
<b>VII</b>	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

VIII	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
IX	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
X	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
XXI	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

XXXIII	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
XL	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
XLIX	The project management 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 clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .
L	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

<b>LII</b>	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
<b>LIII</b>	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
<b>LIV</b>	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.



# Government of Maharashtra



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.

  
Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR



## **CONDITIONS STATUS OF EC CONDITIONS**

**(Environmental Clearance Letter No. 21-670/2006-IA.III dated 25th June, 2007 and Expansion of EC Letter No. SEIAA-EC-0000002017 dated on 20 September 2019)**

No	Condition	Compliance	☑	P
	<b>Specific Conditions</b>			
(i)				
(ii)	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA.	PP complied with the condition. PP has submitted CER plan to municipal Commissioner/ District Collector.		
(iii)	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt.04.01.2019.	PP is complying with the condition.		
(iv)	SEIAA decided to grant EC for: FSI: 24274.35 m2, Non-FSI:11692.00 m2 and Total BUA: 35966.35 m2 ( Approval no-CC/0319/19, Date-17.05.2019)	Noted by PP.		
	<b>General Conditions</b>			
(i)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	PP will comply with the condition.		
(ii)	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	PP will comply with the condition.		
(iii)	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Not Applicable. The proposed project is in residential zone of Pune Municipal Corporation and there is no National Park/Wild life sanctuary within 10 km radius of project site.		
(iv)	PP has to abide by the conditions stipulated by SEAC& SEIAA.	PP is complying with the condition.		

No	Condition	Compliance	☑	P
(v)	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The height, construction built up area of proposed project is accordance with the existing FSI/FAR norms of the urban local body of PMC.		
(vi)	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	PP has obtained Consent To Establish from MPCB vide Format No. 1.0/BO/JD(WPC)/UAN-067422/CE/CC-1912000907 Dated 17.12.2019.	✓	
(vii)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Being complied with the condition.		
(viii)	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Being complied with the condition. PP has provided adequate drinking water and sanitary facilities to workers during construction phase.	✓	
(ix)	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	PP is complying with the condition.		
(x)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	PP is complying with the condition.		

No	Condition	Compliance	☑	P
(xi)	Arrangement shall be made that waste water and storm water do not get mixed.	PP will comply with the condition.		
(xii)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	PP is complying with the condition. The top soil being used for landscape development.		
(xiii)	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	PP is complying with the condition.		
(xiv)	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	PP will comply with the condition. PP will plant the trees as phase-wise manner.		
(xv)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	PP is complying with the condition.		
(xvi)	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	Hazardous waste is not generated at site.		
(xvii)	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Hazardous waste is not generated at site.		
(xviii)	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	PP is complying with the condition.		

No	Condition	Compliance	☑	P
(xix)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	PP is complying with the condition. Diesel is not stored at site. Diesel is procured from vendor as per requirement.		
(xx)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	PP is complying with the condition.		
(xxi)	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	PP is complying with the condition. Regular noise monitoring conducted by MoEF&CC and NABET accredited lab. The monitoring reports are attached.	✓	
(xxii)	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	PP is complying with the condition.		
(xxiii)	Ready mixed concrete must be used in building construction.	PP is Ready mixed concrete for construction of a building		
(xxiv)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	PP will comply with the condition.		
(xxv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	PP uses several measures for water conservation such as use of premixed concrete, slab ponding and use of jute cloth for curing purposes.		

No	Condition	Compliance	☑	P
(xxvi)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	PP is complying with the condition. The groundwater quality and level monitoring report is attached herewith.	✓	
(xxvii)	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharged in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharged in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	PP is complying with the condition. STP installation is completed at site for completed buildings.		✓
(xxviii)	Permission to draw groundwater and construction of basement if any shall be obtained from the competent authority prior to construction/operation of the project.	PP is not using ground water at the construction site.		
(xxix)	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	PP will comply with the condition.		
(xxx)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	PP will comply with the condition.		
(xxxi)	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	PP will comply with the condition.		

No	Condition	Compliance	☑	P
(xxxii)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	PP is complying with the condition.		
(xxxiii)	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	PP is complying with the condition.		
(xxxiv)	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	PP is complying with the condition. 1 No of D.G. Set of capacity 62.5 kVA with an acoustic enclosure is provided at the site during construction phase. Stack monitoring reports are attached.	✓	
(xxxv)	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	The noise Level is being monitored in day and night time regularly from MoEF and NABL recognized laboratory. Monitoring reports are attached.	✓	



No	Condition	Compliance	☑	P
(xxxvi)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	PP is complying with the condition.		
(xxxvii)	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	PP is complying with the condition.		
(xxxviii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Being complied with the condition. The distance between two buildings is as per PMC DCR.		
(xxxix)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	PP is complying with the condition.		
(xl)	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	PP has started the construction after getting Environmental Clearance.		
(xli)	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	PP is complying with the condition. Six monthly monitoring reports are attached.		

No	Condition	Compliance	☑	P
(xlii)	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	PP is complying with the condition. STP installation is completed and plantation is also carried out for completed buildings.		✓
(xliii)	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	PP is complying with the condition. Solid waste generated at site will be segregated and treated in OWC.		
(xliv)	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	PP will comply with the condition.		
(xlv)	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	PP has submitted all the documents to the local authority and MPCB.		
(xlvi)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	PP agrees with the condition.		
(xlvii)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	PP will comply with the condition.		

No	Condition	Compliance	☑	P
(xlviii)	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	PP will comply with the condition.		
(xlix)	The project management 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 clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	PP has complied with the condition. PP has advertised in two local newspapers.		
(l)	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	PP is complying with the condition. Submitting herewith the acknowledgment copy of half yearly compliance reports for the period of April-2021 to September-2021	✓	
(li)	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	PP has complied with the condition. Copy of Environment Clearance has been submitted to Pune Municipal Corporation along with approval documents.		

No	Condition	Compliance	☑	P
(iii)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied with the condition.		
(liii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Being complied with the condition. PP is submitting six monthly compliance reports.		
(liv)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	PP is complying with the condition.		
(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.	PP agrees with the condition.		

No	Condition	Compliance	☑	P
(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.	Noted by PP.		
(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.	Noted by PP.		
(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.	Noted by PP. As per the Notification dated 29 <sup>th</sup> April, 2015 validity of Environment Clearance is 7 years.	✓	
(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.	Noted by PP.		
(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.	Noted by PP.		

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<b>No</b>	<b>Condition</b>	<b>Compliance</b>	<b>☑</b>	<b>P</b>
(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.	Noted by PP.		



Annexure II

**SITE PHOTOGRAPHS**

**Construction on Site**



**SANITARY FACILITY AT SITE**



**FIRST AID**





**D.G.SET**



**STP**





# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

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## Test Report

<b>Report No.:</b> ME-NG18858-220105-SA-MAGNOLIA-PUNE		<b>Date:</b> 05.01.2022	
<b>Name and address of Customer</b>	<b>"MANGNOLIA", BY PARANJAPE SCHEMES LTD,</b> S. No. 136/2, Baner Pashan Link Road, Vill: Pashan Tal: Haveli, Dist: Pune.		<b>Order Reference:</b>
			Telephonic Discussion
<b>Sample Description/Type</b>	Ambient Air Quality Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	1. Near C Building 2. Near A Building 3. Near Main Gate	<b>Sample Quantity/Packing</b>	Filter Paper 1 X 3 No. PM <sub>2.5</sub> : Filter Paper 1 X 3 No. SO <sub>2</sub> : 30 mL X 6 No. PVC Bottle NO <sub>2</sub> : 30 mL X 6 No. PVC Bottle
<b>Date of Sampling</b>	28.12.2021	<b>Date of Receipt of Sample</b>	30.12.2021
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	30.12.2021	<b>Date of Completion of Analysis</b>	01.01.2022

Parameter	Unit	Result	#NAAQM Standard	Method Reference
<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)</b>				
<b>Location</b>	1. Near C Building		<b>Duration of Survey</b>	08 hours
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.35	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	11.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	26	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	12	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30

ULR-TC748721000017727F





# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor  
Continuation Sheet

Report No.18858 Cont...

Parameter	Unit	Result	#NAAQM Standard	Method Reference
<b>Location</b>	2. Near A Building		<b>Duration of Survey</b>	08 hours
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.0	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.3	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	63	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	24	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
<b>Location</b>	3. Near Main Gate		<b>Duration of Survey</b>	08 hours
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	14.7	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	38	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	17	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
<b>Remarks:</b> TWA - Time Weighted Average, # - NAAQS specified as: 24 h. TWA in case of SO <sub>2</sub> , NO <sub>2</sub> , PM <sub>10</sub> , PM <sub>2.5</sub>				

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END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
TECHNICAL MANAGER



Note:

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TC-7487

Page 2 of 2

QF SALE/05/Issue No.03.Dt.05.12.2019. Amd.00.Dt.00



Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra  
(Turn Opp Toyota Show Room 600 m from Hotel Rukhmini Palace. Next to Ashida Electrical. Near J B Sawant Bus Stop)  
Phone: 2582 0658/3139/1663/3154 Fax:+91-22-25823543 thane@mahabal.com



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## Test Report

<b>Report No.:</b> ME-NG18861-220105-SA-MAGNOLIA-PUNE		<b>Date:</b> 05.01.2022
<b>Name and Address of Customer</b>	<b>"MANGNOLIA", BY PARANJAPE SCHEMES LTD,</b> S. No. 136/2, Baner Pashan Link Road, Vill: Pashan Tal: Haveli, Dist: Pune.	<b>Order Reference:</b>
		Telephonic Discussion
<b>Date of Sampling</b>	28.12.2021	
<b>Sampling Procedure</b>	IS 9876:1981	

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)				
Sr. No.	Location	Time in h	Sound Level dB(A) Fast Response	Sound Level dB(A) Slow Response
	<b>Project Site</b>			
<b>1</b>	<b>Near Building C</b>			
	Day	12:05	54.2	53.5
	Night	22:00	44.6	43.9
<b>2</b>	<b>Near Building A</b>			
	Day	12:20	54.5	53.2
	Night	22:10	43.8	43.1
<b>3</b>	<b>Near Main Gate</b>			
	Day	12:30	54.0	53.2
	Night	22:20	43.5	42.7

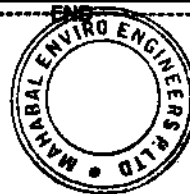
### THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

Area Code	Category of Area /Zone	Limit in dB(A) weighted scale	
		Day Time (6.00a.m. to 10.00 p.m.)	Night Time (10.00 p.m. to 6.00 a.m.)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Remarks:

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
TECHNICAL MANAGER



Note:

- The result listed refers only to the tested sample(s) and applicable parameter(s).
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Page 1 of 1

QF/SALB/05/Issue No.03, Dt.05.12.2019, Amd.00, Dt.00

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra  
(Turn Opp Toyota Show Room 600 m from Hotel Rukhmini Palace. Next to Ashida Electrical. Near J B Sawant Bus Stop)  
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ULR-TC748721000017730F







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## Test Report

<b>Report No.:</b> ME-NG18862-220105-SA-MAGNILIA-PUNE		<b>Date:</b> 05.01.2022	
<b>Name and Address of Customer</b>	<b>"MANGNOLIA", BY PARANJAPE SCHEMES LTD,</b> S. No. 136/2, Baner Pashan Link Road, Vill: Pashan Tal: Haveli, Dist: Pune.		<b>Order Reference</b>
			Telephonic Discussion
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	D.G. Set 180 KVA	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1No. PVC Bottle
<b>Date of Sampling</b>	28.12.2021	<b>Date of Receipt of Sample</b>	30.12.2021
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	31.12.2021	<b>Date of Completion of Analysis</b>	03.01.2022

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

**Stack Details** **D.G. Set 180 KVA**

**Stack Identity** **S-1**

**Stack attached to** D.G. Set

**Material of construction** M.S.

**Stack height above ground level (Meter)** 2

**Stack diameter at sampling point (Meter)** 0.10

**Stack shape at top** Round

**Type of fuel** Diesel

Parameter	Unit	Result	Method Reference
Flue gas Temperature	°C	124	IS 11255 (Part 3):2008; RA 2018
Flue gas Velocity	m/s	6.19	IS 11255 (Part 3):2008; RA 2018
Total gas quantity	Nm <sup>3</sup> /h	129	IS 11255 (Part 3):2008; RA 2018
Particulate Matter (PM)	mg/Nm <sup>3</sup>	27	IS 11255 (Part 1):1985; RA 2019
Sulphur Dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	24	IS 11255 (Part 2):1985; RA 2019
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.074	IS 11255 (Part 2):1985; RA 2019
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	137	IS 11255 (Part 7):2005; RA 2017

**Remark:**

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

**TECHNICAL MANAGER**



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Page 1 of 1

QF/SALE/04/Issue No 03 Dt 05.12.2019, Amd 00 Dt 00



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(Turn Opp Toyota Show Room 600 m from Hotel Rukhmini Palace. Next to Ashida Electrical. Near J B Sawant Bus Stop)  
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# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,

Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist. Nagpur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

## Test Report

<b>Report No.:</b> ME-NG18864-220105-SA-MAGNOLIA-PUNE		<b>Date:</b> 05.01.2022
<b>Name and Address of Customer</b>	<b>"MANGNOLIA", BY PARANJAPE SCHEMES LTD,</b> S. No. 136/2, Baner Pashan Link Road, Vill: Pashan Tal: Haveli, Dist: Pune.	<b>Order Reference:</b>
		Telephonic Discussion
<b>Sample Description/Type</b>	Noise Level Monitoring	<b>Sample Collected by</b> NA
<b>Date of Sampling</b>	28.12.2021	
<b>Sampling Procedure</b>	IS 9876:1981	

**Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Source Noise Excluding Vibrations)**

Location	Unit	Time in h	Result			Limit as per EPA Rule 1986
			Inside	Outside	Insertion loss	
D G Set (180 KVA)	dB(A)	12:40	96.3	71.1	25.2	1) For rated capacity more than 1000 KVA, insertion loss of Min. 25dB(A) or meeting the ambient noise standards whichever is on the higher side at different points at 0.5 m from the acoustic enclosure and averaged. 2) For rated capacity up to 1000 KVA, manufactured on or after the 1 <sup>st</sup> January 2005, the maximum permissible sound pressure level shall be 75 dB(A) at 1 metre from the enclosure surface.
D G Set (62.5 KVA)	dB(A)	12:50	92.7	67.5	25.2	

**Remark:**

ULR-TC748721000017733F

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
**TECHNICAL MANAGER**



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Page 1 of 1  
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## Test Report

<b>Report No.:</b> ME-NG18912-220107-MAGNOLIA-PUNE		<b>Date:</b> 07.01.2022	
<b>Name and Address of Customer</b>	<b>"MANGNOLIA", BY PARANJAPE SCHEMES LTD,</b> S. No. 136/2, Baner Pashan Link Road, VIII: Pashan Tal: Havelli, Dist: Pune.		<b>Order Reference</b>
			Telephonic Discussion
<b>Sample Description/Type</b>	Drinking Water	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Project Site	<b>Sample Quantity/Packing</b>	2L X 1 No. PVC Can 500mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
<b>Date of Sampling</b>	29.12.2021	<b>Date of Receipt of Sample</b>	30.12.2021
<b>Sampling Procedure</b>	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019 Ed 2.4 (2003); APHA 23 <sup>rd</sup> Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
<b>Date of Start of Analysis</b>	30.12.2021	<b>Date of Completion of Analysis</b>	07.01.2022

ULR- TC748721000017781F

Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Water (Drinking Water)</b>				
1	Colour	Hazen	<1	APHA 23 <sup>rd</sup> Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3	Taste	-	Agreeable	IS 3025 (Part 7 & 8):1984, Reaffirmed 2017
4	Turbidity	NTU	0.3	APHA 23 <sup>rd</sup> Ed. 2017, 2130-B, 2-13
5	pH	-	8.1	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> -B, 4-95
6	Total Dissolved Solids	mg/L	38	IS 3025 (Part 16):1984 Reaffirmed 2017, Ed.2.1(1999-12)
7	Total Hardness (as CaCO <sub>3</sub> )	mg/L	28	APHA 23 <sup>rd</sup> Ed. 2017, 2340-C, 2-48
8	Calcium (as Ca)	mg/L	8.0	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Ca-B, 3-69
9	Magnesium (as Mg)	mg/L	1.9	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Mg- B, 3-86
10	Alkalinity Total (as CaCO <sub>3</sub> )	mg/L	26	IS 3025 (Part 23):1986 RA 2019 Amds 1
11	Chloride (as Cl)	mg/L	2.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500-Cl-B, 4-75
12	Sulphate (as SO <sub>4</sub> )	mg/L	3.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500- SO <sub>4</sub> -E, 4-199
13	Nitrate (as NO <sub>3</sub> )	mg/L	0.64	APHA 23 <sup>rd</sup> Ed. 2017, 4500-NO <sub>3</sub> , E 4-131
14	Fluoride (as F)	mg/L	0.28	APHA 23 <sup>rd</sup> Ed. 2017, 4500-F, D, 4-90
15	Cyanide (as CN)	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CN, C & E, 4-44 & 4-46

Page 1 of 2

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# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Continuation Sheet

Report No.18912 Cont...

Sr. No.	Parameter	Unit	Result	Method Reference
16	Anionic detergents as MBAS	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 5540-C, 5-55
17	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 5530- B & C, 5-49, 5-50
<b>Residues in water (Trace metal Element)</b>				
18	Chromium Hexa (as Cr <sup>6+</sup> )	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 3500- Cr-B, 3-71
19	Mercury (as Hg)	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 3112-B, 3-25
20	Iron (as Fe)	mg/L	0.071	IS 3025 (Part 2) 2019
21	Manganese (as Mn)	mg/L	0.015	IS 3025 (Part 2) 2019
22	Cadmium (as Cd)	mg/L	N.D.	IS 3025 (Part 2) 2019
23	Copper (as Cu)	mg/L	N.D.	IS 3025 (Part 2) 2019
24	Lead (as Pb)	mg/L	N.D.	IS 3025 (Part 2) 2019
25	Zinc (as Zn)	mg/L	0.019	IS 3025 (Part 2) 2019
26	Arsenic (as As)	mg/L	N.D.	IS 3025 (Part 2) 2019
<b>Discipline: Biological Testing; Product Group: Water (Drinking Water)</b>				
27	Total Coliforms	P-A/ 100 mL	Absent	IS 15185: 2016
28	E-Coli	P-A/ 100 mL	Absent	IS 15185: 2016
<b>Remark: N.D.: Not Detected</b>				

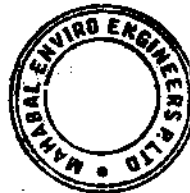
ULR- TC748721000017781F

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

  
Harish Mendhi

**TECHNICAL MANAGER**  
(Chemical Testing)



  
Shital N. Lakhorkar

**GROUP INCHARGE**  
(Biological Testing)



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# Mahabal Enviro Engineers Pvt. Ltd.

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## Test Report

<b>Report No.:</b> ME-NG18913-220108-MAGNOLIA -RAIGAD		<b>Date:</b> 08.01.2022	
<b>Name and Address of Customer</b>	<b>"MANGNOLIA", BY PARANJAPE SCHEMES LTD,</b> S. No. 136/2, Baner Pashan Link Road, Vill: Pashan Tal: Haveli, Dist: Pune.		<b>Order Reference</b>
			Telephonic Discussion
<b>Sample Description/Type</b>	Ground Water	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Surrounding Area	<b>Sample Quantity/Packing</b>	2L X 1 No. PVC Can 500mL X 1 No. PVC Can 250 mL X 1 No. Sterilised Glass Bottle
<b>Date of Sampling</b>	29.12.2021	<b>Date of Receipt of Sample</b>	30.12.2021
<b>Sampling Procedure</b>	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019 Ed 2.4 (2003); APHA 23 <sup>rd</sup> Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
<b>Date of Start of Analysis</b>	30.12.2021	<b>Date of Completion of Analysis</b>	07.01.2022

ULR- TC74872100017782F

Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Water (Ground Water)</b>				
1	Colour	Hazen	<1	APHA 23 <sup>rd</sup> Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3	Turbidity	NTU	1.5	APHA 23 <sup>rd</sup> Ed. 2017, 2130-B, 2-13
4	pH	-	7.7	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> -B, 4-95
5	Total Dissolved Solids	mg/L	340	IS 3025 (Part 16):1984 Reaffirmed 2017, Ed.2.1(1999-12)
6	Total Hardness (as CaCO <sub>3</sub> )	mg/L	232	APHA 23 <sup>rd</sup> Ed. 2017, 2340-C, 2-48
7	Calcium (as Ca)	mg/L	57.7	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Ca-B, 3-69
8	Magnesium (as Mg)	mg/L	21.4	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Mg- B, 3-86
9	Alkalinity Total (as CaCO <sub>3</sub> )	mg/L	204	IS 3025 (Part 23):1986 RA 2019 Amds 1
10	Chloride (as Cl)	mg/L	33.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO <sub>4</sub> )	mg/L	26.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500- SO <sub>4</sub> -E, 4-199
12	Nitrate (as NO <sub>3</sub> )	mg/L	13.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500-NO <sub>3</sub> , B 4-127
13	Fluoride (as F)	mg/L	0.43	APHA 23 <sup>rd</sup> Ed. 2017, 4500-F, D, 4-90
14	Cyanide (as CN)	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CN, C & E, 4-44 & 4-46





# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor  
Continuation Sheet

Report No.18913 Cont...

Sr. No.	Parameter	Unit	Result	Method Reference
15	Anionic detergents as MBAS	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 5540-C, 5-55
16	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 5530- B & C, 5-49, 5-50
<b>Residues in water (Trace metal Element)</b>				
17	Chromium Hexa (as Cr <sup>6+</sup> )	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 3500- Cr-B, 3-71
18	Mercury (as Hg)	mg/L	N.D.	APHA 23 <sup>rd</sup> Ed. 2017, 3112-B, 3-25
19	Iron (as Fe)	mg/L	0.062	IS 3025 (Part 2) 2019
20	Manganese (as Mn)	mg/L	0.019	IS 3025 (Part 2) 2019
21	Cadmium (as Cd)	mg/L	N.D.	IS 3025 (Part 2) 2019
22	Copper (as Cu)	mg/L	N.D.	IS 3025 (Part 2) 2019
23	Lead (as Pb)	mg/L	N.D.	IS 3025 (Part 2) 2019
24	Zinc (as Zn)	mg/L	0.028	IS 3025 (Part 2) 2019
25	Arsenic (as As)	mg/L	N.D.	IS 3025 (Part 2) 2019
<b>Discipline: Biological Testing; Product Group: Water (Ground Water)</b>				
26	Total Coliforms	MPN/100mL	5.1	APHA 23 <sup>rd</sup> Ed. 2017, 9221-B, 9-69
27	E-Coli	MPN/100mL	Absent	APHA 23 <sup>rd</sup> Ed. 2017, 9221-B, E & G, 9-69, 9-77,9-80
<b>Remark: N.D.: Not Detected</b>				

ULR- TC748721000017782F

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

  
Harish Mendhi  
**TECHNICAL MANAGER**  
(Chemical Testing)



  
Shital N. Lakhorkar  
**GROUP INCHARGE**  
(Biological Testing)



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Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

## Test Report

Report No.: ME-NG18914-220108-SA-MAGNOLIA -PUNE		Date: 08.01.2022	
Name and Address of Customer	"MANGNOLIA", BY PARANJAPE SCHEMES LTD, S. No. 136/2, Baner Pashan Link Road, Vill: Pashan Tal: Haveli, Dist: Pune.		Order Reference
			Telephonic Discussion
Sample Description/Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity/Packing	1 kg X 1No. Polyethene bag
Date of Sampling	29.12.2021	Date of Receipt of Sample	30.12.2021
Sampling Procedure	Manual on Soil, Plant& Water Analysis		
Date of Start of Analysis	03.01.2022	Date of Completion of Analysis	08.01.2022

Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Pollution &amp; Environment (Soil)</b>				
1	pH (1:5 Suspension)	-	8.2	FAO 1976, Sec.III,1, Page No. 65
2	Moisture Content	%	19.6	IS 2720 (Part II): 1973, RA 2020, Ed. 3.1
3	Organic Carbon	%	<0.2	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4-17, Page No 83.
4	Available Nitrogen (as N)	mg/kg	39.2	Manual Of Soil Testing, Department of Agriculture, & Cooperation, Ministry of Agriculture, Govt. India, Sec 4-17, Page No. 89
5	Available Phosphate (as P)	mg/kg	5.99	FAO 1976, Sec. III, 12-1, Page No. 157
6	Total Cadmium (as Cd)	mg/kg	<2	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
7	Total Chromium (as Cr)	mg/kg	30.9	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
8	Total Copper (as Cu)	mg/kg	55.0	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
9	Total Lead (as Pb)	mg/kg	17.0	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
10	Total Zinc (as Zn)	mg/kg	79.5	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007

Remarks: All results are on as received basis

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.



Harish Mendhi

TECHNICAL MANAGER



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