



**MGM Medical College, Hospital and Research Centre Vashi, Navi  
Mumbai**

Sector-30, Vashi, Navi Mumbai - 400703

E-mail: [mgmmcvashinm@gmail.com](mailto:mgmmcvashinm@gmail.com); Website: [www.mgmmcvashi.in](http://www.mgmmcvashi.in)

Phone Number :-91-22-69426100

**Date: 14.05.2025**

**To,  
The Member Secretary,  
State Level Environment Impact Assessment Authority (SEIAA)  
Environment Department,  
Room No 217, 2<sup>nd</sup> Floor, Mantralaya,  
Mumbai: 400032.  
Maharashtra**

**Sub:** Submission of six-monthly compliance report (**October 2024 to March 2025**) of Environment Clearance for Proposed General cum Multi super specialty Hospital and Allied Building by M/s Mahatma Gandhi Mission Trust & Research Centre.

**Ref:** MoEF & CC Letter No. SEIAA-EC-0000002221 dated December 31, 2019.

Respected Sir/Madam,

Your kind attention is invited to the above-cited subject and the file and environmental clearance letter under reference. In above context, we are pleased to submit the Data-Sheet and Point-wise compliance status to various stipulations, as laid down by the Ministry, in its above -cited letter, with supporting documents.

Thanking You,

For, M/s Mahatma Gandhi Mission Trust & Research Centre

Authorized Signatory  
Encls: As above

**MGM HOSPITAL & RESEARCH CENTER  
VASHI, NAVI MUMBAI**



**Mahatma Gandhi Mission, Hospital and Research Centre Vashi, Navi  
Mumbai**

**Sector-30, Vashi, Navi Mumbai - 400703**

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**Phone Number :-91-22-69426100**

**Date: 14.05.2025**

**To,  
Regional Officer,  
West- Central Zone (WCZ),  
Ministry of Environment, Forest and Climate Change  
East Wing, New Secretariat Building, Civil Lane,  
Nagpur - 440001**

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**Phone Number :-91-22-69426100**

**Date: 14.05.2025**

**To,  
The Member Secretary  
Maharashtra Pollution Control Board  
3<sup>rd</sup> & 4<sup>th</sup> floor, Kalpataru point, Sion Matunga  
Scheme Road no.8, Opp. Sion Circle, Sion (E).  
Mumbai-400 022.**

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Encls: As above

**MGM HOSPITAL & RESEARCH CENTRE  
VASHI, NAVI MUMBAI**

**Monitoring the Implementation of Environmental Safeguards**  
**Ministry of environmental & Forest**  
**Western Region, Regional Office, Bhopal**  
**Monitoring Report**  
**PART – I**  
**DATA SHEET**

No		
1.	<b>Project type:</b> River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	: Multi super specialty Hospital and Allied Building
2.	<b>Name of the Project</b>	: Proposed General cum Multi super specialty Hospital and Allied Building. Plot No. 46, Sector 30, Vashi, Navi Mumbai
3.	<b>Clearance letter (s) / OM No. and date</b>	: SEIAA-EC- 0000002221 15 <sup>th</sup> November,2019
4.	<b>Location</b>	Thane
	a) District (s)	:
	b) State (s)	: Maharashtra
	c) Location latitude / longitude	: Latitude: 19° 04'3.08"N Longitude: 73° 00'15.85"E
5.	<b>Address for Correspondence</b>	: <b>Dr. S N Kadam</b>
	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	<b>Mr. Balwant G. Patil</b> <b>932288758</b>  M/s. Mahatma Gandhi Mission Trust, Site office, Plot No. 1 & 2, Sector – 1, Kamothe, Navi Mumbai 410 209.
	b) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)	(same as Above)

6.	<b>Salient features of the Project</b>	:	<p><b>Location of the project :-</b>  Proposed General cum Multi super specialty Hospital and Allied Building.  Plot No. 46, Sector 30, Vashi, Navi Mumbai  <b>Total Plot Area:</b> - 32,789.29 sq.m.  <b>Total Built up area:</b> - 65417 Sq.m.</p> <p><b>Building Configuration:</b>  Hospital Buildings A, B &amp; C, Paramedical Building, Commercial Building and Residential Building</p> <p><b>Water requirement :-</b>  Total water demand: 544 KL  Potable water demand: 158 KL  Non Potable water demand: 720 KL.</p> <p><b>Source:-</b> Navi Mumbai Municipal Corporation</p> <p><b>Power Requirement:</b></p> <p><b>Source :</b> MSEDCL</p> <p><b>Construction phase –</b>  100 KW.  D.G set : 100 kW</p> <p><b>Operation Phase –</b>  Maximum Demand: 4568 KW  Connected Load: 2109.07 KW  D.G sets : A &amp; B wing – 2 sets ( 1250 Kva )  C wing – 615 Kva , C wing – 380 Kva  Comm. &amp; Paramedical bldg. – 250 Kva</p>
7.	<b>Breakup of the Project Area</b>	:	NA
	a) Submergence area: forest & non forest		
	b) Others		Total Plot Area: - 32,789.29 sq.m. Total Built up area: - 65417 Sq.m.
8.	<b>Breakup of the project affected population</b> with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans:	:	NA
	a) SC, ST / Adivasi		
	b) Others (please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give	:	



	details & year of survey)																	
9	<b>Financial Details:</b> Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Rs. 1,65,93,00,000/-															
a)																		
b)	Allocation made for environmental management plans with item wise and year wise breakup	:	<table><tr><th>Sr. No.</th><th>Parameter</th><th>Total Cost/ Y (Rs. Lacs)</th></tr><tr><td>1.</td><td>Water for Dust Suppression</td><td>4.00</td></tr><tr><td>2.</td><td>Site Sanitation</td><td>2.00</td></tr><tr><td>3.</td><td>Environmental Monitoring</td><td>1.00</td></tr><tr><td colspan="2">Total Cost</td><td>7.00</td></tr></table>	Sr. No.	Parameter	Total Cost/ Y (Rs. Lacs)	1.	Water for Dust Suppression	4.00	2.	Site Sanitation	2.00	3.	Environmental Monitoring	1.00	Total Cost		7.00
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Total Cost		7.00																
c)	Benefit cost ratio / Internal rate of Return and the year of assessment	:	Yet to be calculated as the project is in construction															
d)	Whether (c)includes the cost of environmental management as shown in the above	:	Yes															
e)	Actual expenditure incurred on the project so far	:	74.63 Crore															
f)	Actual expenditure incurred on the environmental management plans so far	:	Construction Cost of STP : 42,06,721/- Construction Cost of ETP : 11,95,080/- Construction Cost of RWH : 49,22,231/- Tree Plantation: 50,000/- Equipment's Cost STP & ETP : 31,94,555/- Solid & Medical waste : 80,00,000/- Organic Waste Converter : 16,83,440/-															
10	<b>Forest Land Requirement</b>		NA															
a)	The status of approval for diversion of forest land for non-forestry use	:																
b)	The status of clearing felling	:																
c)	The status of compensatory afforestation, if any Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:																
11	<b>The status of clear felling</b> in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	NA															

a)	Date of commencement (Actual & / or planned)	:	NA
b)	Date of completion (Actual &/or planned)	:	OC obtained for Building A & B Building
13	Reasons for the delay if the project is yet to start	:	NA
14	Dates of Site Visits		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	--
b)	Date of site visits for this monitoring report	:	The monitoring reports are attached in Annexure

Date and Signature:



**M/s Mahatma Gandhi Mission Trust**

Plot No. 46, Sector 30, Vashi, Navi Mumbai.

**Medical Director**  
**MGM Medical College & Hospital**  
**Vashi, Navi Mumbai - 400705**

# Architect certificate



**DIMENSIONS**  
ARCHITECTS PVT LTD

Date-14.11.2019

To,  
Member Secretary  
SEIAA,  
2nd floor, Room No.217,  
Mantralaya, Mumbai – 400 032.

Sub. : FSI and NON FSI break up for Proposed General cum Multi super specialty Hospital and Allied Building at Plot no. 46, sector 30, Vashi, Navi Mumbai by M/s Mahatma Gandhi Mission Trust.

Respected Sir,

With reference to the above, Architect built up Area Certificate (FSI + Non FSI) as per approved amended plan dated 16.06.2012 for M/s Mahatma Gandhi Mission Trust

Sr.No.	Description	Sq.mt.
1	FSI Area	32,539.11 SQM.
2	Non FSI Area	32921.720
	Services	2293.630
	Basement	9095.500
	Stilt	1946.460
	podium	-
	Refuge	211.692
	Stair case, Lift & Lift Room	5662.175
	Elevation Features	2256.373
	Other areas	6320.649
	Balconies	5135.246
3	Total Construction Area (FSI + Non FSI)	65,460.83 SQM.

Thanking you

Yours faithfully

For DIMENSIONS ARCHITECTS PVT. LTD.

**DIMENSIONS**  
ARCHITECTS PVT. LTD.  
ARCHITECTS PROJECTS MANAGERS

2019/11/15 16:31



# Compliance Report

October 2024 to March 2025

Sr. No	Specific Conditions	Status
1.	Environmental Clearance to SEIAA for further needful subject to conditions that- As per MoEF & CC notification dated 14/3/2017 & OM dated 15/3/2018 & 16/3/2018 regarding violation, the damage assessment value is arrived at Rs.1,73,00,000.00/- PP to comply with SEIAA decision regarding activities to be carried out for Environmental restoration programme.	Noted and being complied <ul style="list-style-type: none"> <li>• 350 KLD STP</li> <li>• 50 KLD ETP</li> <li>• Tree Plantation</li> <li>• RWH Tank</li> <li>• Solar Power System</li> <li>• Use crushed stone ash in construction concrete.</li> </ul>
2.	PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018	<ul style="list-style-type: none"> <li>• 350 KLD STP</li> <li>• 50 KLD ETP</li> <li>• Tree Plantation</li> <li>• RWH Tank</li> </ul>
3.	PP informed that they have provided the ETP & they want to revise the online CS. PP to revise the CS to that extent.	Already revision was shown in PPT presentation made to SEIAA but will revise through online compliance.
4.	PP to explore to possibility to increase the saving from solar energy by providing hybrid technology	Noted and being complied. <ul style="list-style-type: none"> <li>• Provision of solar PV panels for lighting</li> <li>• Road/Landscape - 60% Solar Lighting</li> <li>• Lobby &amp; staircase LED lights - 60% Solar</li> <li>• Solar Hot Water system is also provided.</li> </ul>
5.	PP to ensure that, Biomedical waste should be disposed off as per BMW rules	Noted and shall be complied. The BMW will be segregated as per Biomedical Waste Management and Handling Rule 1998 (amended in 2016) and handed over to Common Bio-medical Waste Treatment Facilities. Waste will be handed over to authorized vendors.
6.	As proposed, PP to ensure that, STP should be on ground & open to sky with zero net discharge.	Noted. The STP is located at the ground level.
7.	PP to ensure that, discharge of the ETP should be as per CPCB norms	Noted and shall be complied.

8.	PP to provide the noise pollution mitigation measures like green vegetation on periphery.	Noted and shall be complied. Green Belt Development is proposed at site.
9.	PP to obtain necessary approvals by the Atomic Energy Regulatory Board (AERB), if required for MRI, CT Scan involving radiation.	Currently there is no install MRI and CT scan. This doesn't apply as per the rules.
10.	PP to submit a bank guarantee of Rs. 1.73 cr to Maharashtra Pollution Control Board towards effective implementation of the EMP comprising remediation plan and Natural and Community Resource augmentation Plan.	Our Bank guarantee No 190376IBGP00155 Date 11.12.2019 for Rs. 1,73,00,000/- favouring yourselves o Account M/S. Mahatma Gandhi Mission Trust.
11.	PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018 in consultation with Municipal Corporation.	MGM has given a letter to collector Alibag and also to CIDCO and Copies submitted to environment department and presented before SEIAA for EC
12.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III t.04.01.2019.	Noted and shall be complied.

<b>Sr. No.</b>	<b>General Conditions</b>	<b>Status</b>
1.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Noted and shall be complied.
2.	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	Noted and shall be complied.
3.	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.	Noted.
4.	PP has to abide by the conditions stipulated by SEAC& SEIAA	Noted and shall be complied.
5.	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.	Noted and shall be complied.

6.	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.	Consent to establish from Maharashtra Pollution Control Board is  CTE has already obtained and necessary bank guarantee has also been submitted to MPCB																					
7.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Noted and shall be complied.																					
8.	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	Noted and shall be complied. Necessary precautions are proposed for safe disposal of wastewater and solid wastes generated during the construction phase. <ul style="list-style-type: none"> <li>Waste water shall be treated in mobile STP of and treated water shall be used for landscaping.</li> <li>Mobile toilets shall be provided for the hutments.</li> <li>Waste through construction activity shall be reused as per the waste management plan and rest will be sold to recyclers</li> </ul>																					
9.	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.	The solid waste management during construction phase will be as follows: <table border="1"> <thead> <tr> <th>Waste</th><th>Qty</th><th>Management</th></tr> </thead> <tbody> <tr> <td>Topsoil</td><td>5000 cum</td><td>To be used for landscaping.</td></tr> <tr> <td>Excavated material</td><td>46245 cum</td><td>Excavated material to be used for backfilling and for internal roads.</td></tr> <tr> <td>Cement Bags</td><td>58251 Bags</td><td>Empty bags to be handed over to recycler.</td></tr> <tr> <td>Paint container (@20L)</td><td>598 cans</td><td>To be handed over to recycler.</td></tr> <tr> <td>Scrap metal generated</td><td>9 tons</td><td>100 % to be sold for recycling</td></tr> <tr> <td>Tiles</td><td>1083 sqm</td><td>Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces.</td></tr> </tbody> </table>	Waste	Qty	Management	Topsoil	5000 cum	To be used for landscaping.	Excavated material	46245 cum	Excavated material to be used for backfilling and for internal roads.	Cement Bags	58251 Bags	Empty bags to be handed over to recycler.	Paint container (@20L)	598 cans	To be handed over to recycler.	Scrap metal generated	9 tons	100 % to be sold for recycling	Tiles	1083 sqm	Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces.
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Tiles	1083 sqm	Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing of terraces.																					
10	Disposal of muck during construction phase should not create any adverse effect	Noted and shall be complied.																					

	on the neighbouring 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.	
11	Arrangement shall be made that waste water and storm water do not get mixed.	<ul style="list-style-type: none"> <li>• Waste water shall be treated in mobile STP of and treated water shall be used for landscaping.</li> <li>• Mobile toilets shall be provided for the hutments.</li> <li>• Waste through construction activity shall be reused as per the waste management plan and rest will be sold to recyclers</li> </ul>
12	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	10% of top soil will be preserved for landscaping and rest will be used for backfilling.
13	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.	Noted and shall be complied.
14	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Noted and shall be complied.
15	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.	Noted and shall be complied.
16	Any hazardous waste generated during construction phase should	Noted and shall be complied.



	be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board	
17	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.	Noted and shall be complied.
18	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Noted and shall be complied.
19	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.	Noted and shall be complied.
20	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.	Noted and shall be complied.
21	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).	
22	Ready mixed concrete must be used in building construction	Noted and shall be complied.
23	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted and shall be complied.
24	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted and shall be complied.
25	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted and shall be complied.
26	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	Sewage Treatment Plant (STP) of 265 KLD is proposed and necessary measures shall be taken to mitigate the odour problem from STP
27	Separation of gray and black water should be done by the use of dual plumbing	

	line for separation of gray and black water.	
28	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	Noted and shall be complied.
29	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	Noted and shall be complied.
30	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	Noted and shall be complied.
31	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.	<ul style="list-style-type: none"> <li>• Road/Landscape - 60% Solar Lighting</li> <li>• Parking - LED lights</li> <li>• Lobby &amp; staircase LED lights - 60% Solar</li> <li>• Lift-Regenerative Types</li> <li>• Ventilation fan with VFD</li> <li>• Solar Hot Water system</li> </ul>
32	Diesel power generating sets proposed as source of	Noted and shall be complied.

	<p>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.</p>	
33	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.	Noted and shall be complied.
34	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	Noted and shall be complied.
35	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.	Noted and shall be complied.
36	The building should have adequate distance between them to allow movement of fresh air and passage of	Noted and shall be complied.

	natural light, air and ventilation									
37	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	Noted and shall be complied.								
38	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	Noted and shall be complied.								
39	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB	Noted and shall be complied.								
40	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.	Noted and shall be complied.								
41	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	<div>Organic Waste Converter is proposed at site.</div> <table><tr><th>Sr. No</th><th>OWC Details</th><th>Hospital Building</th><th>Commercial &amp; Paramedical &amp; Residential</th></tr><tr><td>1</td><td>Selected OWC capacity per batch in Kg</td><td>120</td><td>60</td></tr></table>	Sr. No	OWC Details	Hospital Building	Commercial & Paramedical & Residential	1	Selected OWC capacity per batch in Kg	120	60
Sr. No	OWC Details	Hospital Building	Commercial & Paramedical & Residential							
1	Selected OWC capacity per batch in Kg	120	60							



	garbage will be disposed outside the premises. Local authority should ensure this.	2	No of batches	3	2
		3	OWC convertor including manoeuvring	14 sqm	14 sqm
		4	Curing Area	19 sqm	16 sqm
		5	Raw material	7 sqm	3 sqm
		6	Area of Plant	40 sqm	32 sqm
			No. of Dust Bins(Green & Black)	6 nos	4 nos
42	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB	Noted and shall be complied.			
43	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted and shall be complied.			
44	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted and shall be complied.			
45	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted and shall be complied.			
46	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted and shall be complied.			
47	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	Noted and shall be complied.			

	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> .	
48	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 1 <sup>st</sup> June & 1st December of each calendar year.	Noted and shall be complied.
49	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	Noted and shall be complied.
50	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	Noted and shall be complied.

	main gate of the company in the public domain.	
51	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	Noted and shall be complied.
52	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	Noted and shall be complied.
53	This EC is issued subject to the condition that the implementation of EMP, remediation plan and Natural and Community Resource Plan will be completed during the period for which the Bank Guarantee is given, otherwise the BG should be suitably extended up to implementation of EMP	Noted and shall be complied.

# Ec letter



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: December 31, 2019

To,  
**M/s Mahatma Gandhi Mission Trust**  
at Plot No. 46, Sector 30, Vashi, Navi Mumbai

**Subject:** Environment Clearance for Proposed General cum Multi super specialty Hospital and Allied Building at Plot no. 46, sector 30, vashi, Navi mumbai by M/s Mahatma Gandhi Mission Trust.

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-II, Maharashtra in its 112th 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 181st meetings.


2. It is noted that the proposal is considered by SEAC-II under screening category 3(a) as per EIA Notification 2006.

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

1.Name of Project	Proposed General cum Multi super specialty Hospital and Allied Building
2.Type of institution	TOR
3.Name of Project Proponent	M/s Mahatma Gandhi Mission Trust
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003, Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com.; info@eaepl.com
5.Type of project	Multi super specialty Hospital and Allied Building
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. 46, Sector 30, Vashi, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Vashi
Correspondence Name:	Dr. S N Kadam
Room Number:	2nd floor
Floor:	2nd floor
Building Name:	Mahatma Gandhi Mission Trust MGM Hospital,
Road/Street Name:	CBD Belapur Navi Mumbai
Locality:	CBD Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	NMMC

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12.IOD/IOA/Concession/Plan Approval Number	First development permission from Navi Mumbai Municipal corporation received dated 28.10.2002 & Revised CC for Amended plan received dated 16.6.2012.
	<b>IOD/IOA/Concession/Plan Approval Number:</b> ?? ??? / ??????? / ?????? / ??? / ??????.??. / 2885/2012
	<b>Approved Built-up Area:</b> 32789
13.Note on the initiated work (If applicable)	27,731.9 Sq.m. of area is constructed on site .Hospital Wing A - Gr. + 12 Upper Floors & Hospital Wing B- Basement + Gr + 5 Upper Floors
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Lease deed of plot by CIDCO dated 06.07.1999,Part occupation of Bldg A dated 03.07.2012
15.Total Plot Area (sq. m.)	32,789.29 Sq.m.
16.Deductions	0 Sq.m.
17.Net Plot area	32,789.29 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>FSI area (sq. m.):</b> 32,496.03
	<b>Non FSI area (sq. m.):</b> 32,921.72
	<b>Total BUA area (sq. m.):</b> 65417
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> 32789.29
	<b>Approved Non FSI area (sq. m.):</b> 32921.72
	<b>Date of Approval:</b> 16-06-2012
19.Total ground coverage (m2)	13,226.52
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	1659300000

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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		
Dry season:	Source of water	NMMC/ treated water from STP
	Fresh water (CMD):	158
	Recycled water - Flushing (CMD):	123
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	291
	Fire fighting - Underground water tank (CMD):	425 kl
	Fire fighting - Overhead water tank (CMD):	75kl
	Excess treated water	97
Wet season:	Source of water	NMMC/ RWH/ treated water from STP
	Fresh water (CMD):	158
	Recycled water - Flushing (CMD):	123
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	281
	Fire fighting - Underground water tank (CMD):	425kl
	Fire fighting - Overhead water tank (CMD):	75 kl
	Excess treated water	118
Details of Swimming pool (If any)	Not applicable	

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24.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	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
25.Rain Water Harvesting (RWH)	Level of the Ground water table:		5 m to 6 m below ground level						
	Size and no of RWH tank(s) and Quantity:		Hospital Buildings A & B- 138 KL, Hospital Building C-237 KL, Paramedical Building - 79 KL, Commercial Building- 43 KL, Residential Building - 47 KL, Total -544 KL						
	Location of the RWH tank(s):		Ground						
	Quantity of recharge pits:		Not applicable						
	Size of recharge pits :		Not applicable						
	Budgetary allocation (Capital cost) :		Rs. 47 Lakhs						
	Budgetary allocation (O & M cost) :		Rs. 2.4 Lakhs/annum						
	Details of UGT tanks if any :		Domestic Water Tank : 160 Cum. Flushing Water Tank : 126 Cum. Fire Water Tank : 425 Cum. Rain Water Harvesting Tank : 544 Cum. Location of Tanks: Ground						
26.Storm water drainage	Natural water drainage pattern:		South to North						
	Quantity of storm water:		0.47 m3/s						
	Size of SWD:		0.60 m x 0.45 m						
27.Sewage and Waste water	Sewage generation in KLD:		256						
	STP technology:		MBBR						
	Capacity of STP (CMD):		265 Cum.						
	Location & area of the STP:		Ground						
	Budgetary allocation (Capital cost):		Rs. 53 Lakhs						
	Budgetary allocation (O & M cost):		Rs. 8 Lakhs/annum						

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## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	<ul style="list-style-type: none"> <li>Quantity of the top soil (5000Cum) to be preserved for landscaping. Excavated soil and rubble to be used for backfilling and for internal roads.</li> <li>Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers.</li> <li>Broken tiles to be used as china mosaic for terrace</li> </ul>
	<b>Disposal of the construction waste debris:</b>	Quantity of the top soil (5000Cum) to be preserved for landscaping. Excavated soil and rubble to be used for backfilling and for internal roads, Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers, Broken tiles to be used as china mosaic for terrace.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	837 kg/day
	<b>Wet waste:</b>	477 kg/day
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	261 kg/day
	<b>STP Sludge (Dry sludge):</b>	8 kg/day
	<b>Others if any:</b>	E-waste will be sold to authorized vendors
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be hand over to NMMC for recycling
	<b>Wet waste:</b>	Will be processed in the OWC for manure for landscaping/ gardening
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Will be segregated as per Biomedical Waste Management and Handling Rule 1998 (amended in 2018) and handed over to Common Bio-medical Waste Treatment Facilities
	<b>STP Sludge (Dry sludge):</b>	Use as a manure
	<b>Others if any:</b>	E-waste - will be sold to authorized vendors
<b>Area requirement:</b>	<b>Location(s):</b>	Ground level
	<b>Area for the storage of waste &amp; other material:</b>	72 sqm
	<b>Area for machinery:</b>	28 sqm
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 25 Lakhs
	<b>O &amp; M cost:</b>	Rs 5 Lakhs /annum

## 29.Effluent Charecterestics


Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	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			



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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)	100 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	4568 KW
	During Operation phase (Demand load):	3528 KW
	Transformer:	.
	DG set as Power back-up during operation phase:	A & B wing 1250 Kva X 2nos. ,C wing 615 Kva ,C wing 380 Kva ,Comm.& Paramedical Bldg. 250 Kva
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

Energy saving by non-conventional method:
Road/Landscape - 60% Solar Lighting Parking - LED lights Lobby & staircase LED lights - 60% Solar Lift-Regenerative Types Ventilation fan with VFD Solar Hot Water system

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36.Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures		Saving %				
1	ENERGY SAVING SUMMARY HOSPITAL BUILDING		Overall Saving for the Project - 15%				
2	ENERGY SAVING SUMMARY FOR RESIDENTIAL		Overall Saving for the Project 28.8%				
3	ENERGY SAVING SUMMARY COMMERCIAL & PARAMEDICAL		Overall Saving for the Project-6.5%				
37.Details of pollution control Systems							
Source	Existing pollution control system		Proposed to be installed				
Not applicable	Not applicable		Not applicable				
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 29 lakhs					
	O & M cost:	Rs. 2.9 lakhs/annum					
38.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Air	Water for Dust Suppression	4.00				
2	EHS	Site Sanitation	2.00				
3	Environmental Monitoring	Environmental Monitoring	1.00				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	SWM	OWC	25	5			
2	waste water management	STP	53	8			
3	energy conservation	Solar & LED	29	2.9			
4	RWH system	RWH tanks	47	2.5			
5	green belt	Landscaping	55	11			
39.Storage of chemicals (inflamable/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							
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	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8(a)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	26-05-2017

**3. The proposal has been considered by SEIAA in its 181st 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>	Environmental Clearance to SEIAA for further needful subject to conditions that- As per MoEF & CC notification dated 14/3/2017 & OM dated 15/3/2018 & 16/3/2018 regarding violation, the damage assessment value is arrived at Rs.1,73,00,000.00/- PP to comply with SEIAA decision regarding activities to be carried out for Environmental restoration programme.
<b>II</b>	PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018
<b>III</b>	PP informed that they have provided the ETP & they want to revise the online CS. PP to revise the CS to that extent.
<b>IV</b>	PP to explore to possibility to increase the saving from solar energy by providing hybrid technology.
<b>V</b>	PP to ensure that, Biomedical waste should be disposed off as per BMW rules.
<b>VI</b>	As proposed, PP to ensure that, STP should be on ground & open to sky with zero net discharge.
<b>VII</b>	PP to ensure that, discharge of the ETP should be as per CPCB norms.
<b>VIII</b>	PP to provide the noise pollution mitigation measures like green vegetation on periphery.
<b>IX</b>	PP to obtain necessary approvals by the Atomic Energy Regulatory Board (AERB), if required for MRI, CT-Scan involving radiation.
<b>X</b>	PP to submit a bank guarantee of Rs. 1.73 cr to Maharashtra Pollution Control Board towards effective implementation of the EMP comprising remediation plan and Natural and Community Resource augmentation Plan.
<b>XI</b>	PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018 in consultation with Municipal Corporation.
<b>XII</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 t.04.01.2019.

**General Conditions:**


<b>I</b>	E-waste shall bedisposed 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.

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IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
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.
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.
VII	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.
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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.



<b>XLIX</b>	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> .
<b>L</b>	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.
<b>LI</b>	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.
<b>LV</b>	This EC is issued subject to the condition that the implementation of EMP, remediation plan and Natural and Community Resource Plan will be completed during the period for which the Bank Guarantee is given, otherwise the BG should be suitably extended up to implementation of EMP.

# Government of Maharashtra

**SEIAA Meeting No: 181 Meeting Date: November 15, 2019 (**  
**SEIAA-STATEMENT-0000001190 )**  
**SEIAA-MINUTES-0000002741**  
**SEIAA-EC-0000002221**

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**13**

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

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. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

SEIAA Meeting No: 181 Meeting Date: November 15, 2019 ( SEIAA-STATEMENT-0000001190 )  
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SEIAA-EC-0000002221

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Shri. Anil Diggikar (Member Secretary SEIAA)

# **Monitoring Reports**



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.  
• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/11295A/1
Project Name: MGM Vashi -Proposed General cum Multi super specialty Hospital and Allied Building. Plot No. 46, Sector 30, Vashi, Navi Mumbai	DATED	16/11/2024
	LAB REFERENCE NO	HS/LAB/AA/BE-521A
	DATE OF SAMPLING	11&12/11/2024
	DATE OF ANALYSIS	13-15/11/2024

### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	NAAQS LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11&12/11/2024		
02	TEST LOCATION		AQ-1 Entry Point (Lat.& long.) 19° 3'56.47"N 73° 0'16.56"E		
03	TIME OF SAMPLING (00.00)	Hrs.	11:30		
04	AMBIENT TEMPERATURE (Max/Min)	Deg C	32/25		
05	RELATIVE HUMIDITY	% RH	45		
06	SAMPLING DURATION	Hrs.	24		
07	PM <sub>10</sub>	µg/m <sup>3</sup>	72.15	≤100	IS 5182(part 23):2006, RA 2022
08	PM <sub>2.5</sub>	µg/m <sup>3</sup>	34.95	≤60	IS 5182(part 24):2019
09	SO <sub>2</sub>	µg/m <sup>3</sup>	18.66	≤80	IS 5182(part 2):2023
10	NO <sub>2</sub>	µg/m <sup>3</sup>	32.19	≤80	IS 5182(part 6):2006 RA 2022
11	CO (1 hour)	mg/m <sup>3</sup>	0.189	≤4.0	IS 5182 (Part 10):1999 RA 2019

### REMARK/OBSERVATIONS:

NAAQS–National Ambient Air Quality Standards.

Monitoring results are within limits prescribed by NAAQS.

For HORIZON SERVICES

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*





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### AMBIENT NOISE MONITORING REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO.</b>	HS/LAB/AA/11295A/1
Project Name: MGM Vashi -Proposed General cum Multi super specialty Hospital and Allied Building. Plot No. 46, Sector 30, Vashi, Navi Mumbai	<b>DATED</b>	16/11/2024
	<b>LAB REFERENCE NO</b>	HS/LAB/AA/BE-521A
	<b>DATE OF SAMPLING</b>	11/11/2024

### RESULTS

SR. NO.	TEST LOCATION	UNIT	Day Time			Night Time		
			L Max	L Min	Average	L Max	L Min	Average
01	NQ-1 Entry Point (Lat.& long.) 19° 3'56.47"N 73° 0'16.56"E	dB(A)	71.9	63.7	67.8	66.5	59.1	62.8

### REMARK/OBSERVATIONS:

**LIMITS – Refer Noise Annexure Enclosed**

For **HORIZON SERVICES**

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



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## Noise Annexure

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

*(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)*

#### SCHEDULE

(see rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

- Note:-
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
  2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
  3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
  4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*M. Rajgopal*



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## ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/11316A
Proposed General cum Multi super specialty Hospital and Allied Building. Plot No. 46, Sector 30, Vashi, Navi Mumbai	DATED	18/11/2024
	LAB REFERENCE NO	HS/LAB/WA/1033A
	DATE OF SAMPLING	12/11/2024
	DATE OF ANALYSIS	13/11/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Soil Sample	The Client	----	<b>SQ-1- Entry point</b> 19° 3'59.83"N 73° 0'19.02"E

## RESULT OF ANALYSIS

SR. NO	DESCRIPTION	UNIT	RESULT	Standard as per Ministry of Agriculture 2011	TEST METHOD REFERENCE
01	pH @ 25 °C	---	8.20	< 8.5	IS 2720 (Part 26) 1987 RA 2016
02	Colour	---	Black	Not Specified	SOP NO: HS/ NABL/ SOIL/17
03	Texture	---	Sandy loam	Not Specified	SOP NO: HS/ NABL/ SOIL/19
03a	Sand	%	32.00	Not Specified	Ministry of Agriculture 2011
03b	Slit	%	28.00	Not Specified	Ministry of Agriculture 2011
03c	Clay	%	40.00	Not Specified	Ministry of Agriculture 2011
04	Electric Conductance @ 25 °C	mS/cm	0.64	0.15 – 0.65	IS 14767:2000
05	Total Organic Matter	%	0.50	0.5 – 0.75	IS 2720 (Part 22) 1972 RA 2020
06	Bulk Density	g/cm <sup>3</sup>	1.20	Not Specified	IS 2720 (Part 7) 1975 RA 2020
07	Porosity	%	36.00	Not Specified	Ministry of Agriculture 2011
08	Sodium Adsorption Ratio	---	13.45	10-18	SOP NO: HS/ NABL/ SOIL/31
09	Available Nitrogen as N	kg/ha	310.00	280 - 560	SOP NO: HS/ NABL/ SOIL/3
10	Available Potassium as K <sup>++</sup>	Kg/ha	188.00	Not Specified	SOP NO: HS/ NABL/ SOIL/07
11	Available Sodium as Na <sup>++</sup>	%	0.020	Not Specified	IS 9497:1998 RA 2020



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12	Exchangeable Calcium as Ca <sup>++</sup>	mg/kg	296.00	< 400.00	SOP NO: HS/ NABL/ SOIL/7
13	Exchangeable Magnesium as Mg <sup>++</sup>	mg/kg	146.00	< 240.00	SOP NO: HS/ NABL/ SOIL/5
14	Available Phosphorus as P	kg/ha	13.60	10- 24.60	SOP NO: HS/ NABL/ SOIL/8
15	Cation Exchange Capacity	meq/100 gm	194.00	Not Specified	SOP NO: HS/ NABL/ SOIL/28

For **HORIZON SERVICES**

*M. Nagarkar*

**(LAB INCHARGE)**