



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Owner
MS MANTRA ZIRCONIA LLP
Metropole Building Next to INOX theater Bund Garden Road Camp Pune -
411001

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/MH/MIS/222272/2021 dated 29 Jul 2021. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC22B038MH181985 |
| 2. File No. | SIA/MH/MIS/222272/2021 |
| 3. Project Type | New |
| 4. Category | B2 |
| 5. Project/Activity including
Schedule No. | 8(a) Building and Construction projects |
| 6. Name of Project | Proposed Residential and Commercial
development on Sr. No : 9 to 14, Plot: 52,
53, Mundhwa, Tal: Haveli, Pune. M/s,
Mantra Zirconia LLP. |
| 7. Name of Company/Organization | MS MANTRA ZIRCONIA LLP |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 06/01/2022

(e-signed)
Manisha Patankar Mhaiskar
Member Secretary
SEIAA - (Maharashtra)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To

M/s. Mantra Zirconia LLP.,
Sr. No : 9 to 14, Plot: 52, 53,
Mundhwa, Tal: Haveli, Pune

Subject : Environment Clearance for Proposed Residential and Commercial development on Sr. No : 9 to 14, Plot: 52, 53, Mundhwa, Tal: Haveli, Pune by M/s. Mantra Zirconia LLP.

Reference : Application no. SIA/MH/MIS/222272/2021

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-3 in its 127th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 234th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

1.	Proposal Number	SIA/MH/MIS/222272/2021	
2.	Name of Project	Proposed Residential and Commercial development on Sr. No: 9 to 14, Plot: 52, 53, Mundhwa, Tal: Haveli, Pune. M/s, Mantra Zirconia LLP.	
3.	Project category	8(a) Building & construction projects	
4.	Type of Institution	Private	
5.	Project Proponent	Name	Mr. Sailesh Agarwal
		Regd. Office address	T4/T5, 3rd floor, Metropole Building, Next to INOX Theatre, Bund Garden Road, Camp – 411001, Pune.
		Contact number	+91 9579195792
		e-mail	ecmantrak2@gmail.com
6.	Consultant	Vke Environmental LLP, Pune.	
7.	Applied for	New Project	
8.	Details of previous EC	NA	
9.	Location of the project	Sr. No: 9 to 14, Plot: 52, 53, Mundhwa, Tal: Haveli, Pune	
10.	Latitude and Longitude	18°32'23.05"N	
		73°56'58.97"E	
11.	Total Plot Area (m ²)	15,800.00	
12.	Deductions (m ²)	1,580.00	
13.	Net Plot area (m ²)	14,220.00	
14.	Proposed FSI area (m ²)	57,888.00	
15.	Proposed Non-FSI area (m ²)	32,709.44	
16.	Proposed TBUA (m ²)	90,597.44	
17.	TBUA (m ²) approved by Planning Authority till	Under Process	

	date						
18.	Ground coverage (m2) & %	6,430.44 sq.mt. & 41 %					
19.	Total Project Cost (Rs.)	68 Cr.					
20.	CER as per MoEF& CC circular dated 01/05/2018	Activity	Location	Cost (Rs.)	Duration		
		Will be updated during presentation					
21.	Details of Building Configuration: <Please use following legends: Floor = F, Parking = Pk, Podium = Po, Stilt = St, Lower Ground = LG, Upper Ground = UG, Basement = B, Shops = Sh>				Reason for Modification / Change		
	Previous EC / Existing Building		Proposed Configuration				
	Building Name	Configuration	Height (m)	Building Name	Configuration	Height (m)	New project
	NA			A	B + P + 22	68.85	
				B	B + P + 22	68.85	
				C	B + P + 22	68.85	
				D	B + P + 22	68.85	
				E	B + P + 22	68.85	
				F	B + P + 22	68.85	
				G	B + P + 22	68.85	
			H/I	B + G + Mezz. + 8	30.80		
			Club House	G+1	7.50		
22.	Total number of tenements	Residential: 516+50 (MHADA) Commercials: 11					
23.	Total number of Population	Residential: 2580, MHADA: 250, Commercial: 66= 2896 nos.					
24.	Water Budget	Dry Season (CMD)		Wet Season (CMD)			
		Fresh Water	257	Fresh Water	257		
		Recycled for landscape	20	Recycled for landscape	00		
		Swimming Pool	02	Swimming Pool	00		
		Flushing	129	Flushing	129		
		Total	408	Total	385		
		Wastewater generation	347	Wastewater generation	347		
25.	Water Storage Capacity for Firefighting / UGT	Firefighting - Underground water tank: 1 tank of 600 KLD Firefighting - Overhead water tank: 10 KLD.					
26.	Source of water	Pune Municipal Corporation.					
27.	Rainwater Harvesting	Level of the Ground water table:		Summer Season – 18.00 m. to 23.67 m. BGL. (20.84 M. Avg.) Rainy Season – 8.00 m. to 11.00 BGL.			

	(RWH)		(9.50 M. Avg.) Winter Season – 13.00 m. to 17.34 m. BGL. (15.17 M. Avg.)
		Size and no of RWH tank(s) and Quantity:	NA
		Quantity and size of recharge pits:	8 Nos. (4 no. for roof top and 4 no. of surface runoff) a) 4 nos of 2.25 m. X 2.25 m. X 2.00 m & b) 4 No's of 2.25 m. X 2.25 m. X 1.50 m
		Details of UGT tanks if any:	NA
28.	Sewage and Wastewater	Sewage generation in KLD	347
		STP technology:	MBBR
		Capacity of STP KLD:	STP Capacity-350
	Solid Waste Management during Construction Phase	Type	Quantity (kg/d)
		Dry waste:	8 kg/day
		Wet waste:	12 kg/day
		Construction waste	20 kg/day
			Treatment / disposal
			The maximum construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
30.	Solid Waste Management during Operation Phase	Type	Quantity (kg/d)
		Dry waste:	576
		Wet waste:	856
		Hazardous waste:	NA
		Biomedical waste	NA
		E-Waste	4.06 kg/day
		STP Sludge (dry)	34.7 kg/day
			Treatment / disposal
			Handed over to authorize recycler for further handling & disposal purpose.
			Wet waste will be treated in onsite organic waste converter machine.
			NA
			NA
			Handed over to authorized recyclers for further handling & disposal purpose.
			Will be used as manure
31.	Green Belt Development	Total RG area (m2):	1422
		Existing trees on plot:	00
		Number of trees to be planted:	178
		Number of trees to be cut:	00
		Number of trees to be transplanted:	00
		Total No. of Proposed trees	178
32.	Power requirement:	Source of power supply:	MSEDCL
		During Construction Phase (Demand Load):	67 KW
		During Operation phase (Connected load):	3258 KVA
		During Operation phase (Demand load):	1665 KVA
		Transformer:	2 no. of 630 KVA. And 1 no. of 315 KVA
		DG set:	280 KVA- 1 nos. and 82.5 KVA- 1 nos.

		Fuel used:	HSD		
33.	Details of Energy saving	<p>Solar Water Heating Systems Will Be Done for Bathrooms.</p> <p>Solar lights will be provided for common amenities like Street lighting & Garden lighting.</p> <p>CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.</p> <p>Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.</p> <p>Water Level Controllers with Timers will be Used for Water Pumps.</p> <p>To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.</p> <p>Detail calculations & % of saving: - 18.74 %</p>			
34.	Environmental Management plan budget during Construction phase	Type	Details	Cost (Rs.)	
		Air Environment	Erosion control – dust suppression measures, barricading and topsoil preservation	1.97	
		Land	Labor Camp toilets & sanitation	4.8	
		Health and Safety	Labor Safety Equipment's and training	4	
		Health facility	Disinfection and Health Check-ups	0.66	
		Environment Management	Environment management cell	1.75	
		Environment Management	Environmental Monitoring	3.26	
35.	Environmental Management plan Budget during Operation phase	Component	Details	Capital (Rs.)	O&M (Rs./Y)
		Sewage treatment	STP with MBBR Technology	98.37	19.95
		RWH	Recharge pits with bore well	8.75	0.35
		Solid Waste	OWC	20.75	4.92
		Green belt development	Development and Maintenance	20.92	4.44
		Energy saving	Solar water heating system, solar streetlights	90.18	7.26
		Environmental Monitoring	Environment Monitoring Plan		1,85,000
		Disaster Management Plan	Lightening Arrester	2,10,000	
36.	Traffic Management	Type	Required as per DCR	Actual Provided	Total parking Area(m2)
		4-Wheeler	574	577	22,155
		2-Wheeler	1765	1765	

37.	Details of Court cases / litigations w.r.t. the project and project location if any.	NA
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3. Proposal is a new Construction Project. Proposal has been considered by SEIAA in its 234th (Day-1) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

A. SEAC Conditions-

1. PP to submit the Swept path analysis.
2. PP to ensure that no littering trees are proposed and plantation on podium to be explored by providing adequate soil depth on podium.
3. PP to provide minimum 30% of total parking arrangement with electric charging facility by providing charging points at suitable places.

B. SEIAA Conditions-

1. PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
3. 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.
4. SEIAA after deliberation decided to grant EC for – FSI- 56,973.90 m2, Non-FSI- 32,709.44m2, Total BUA- 89,683.34 m2. (Plan approval-CC/1144/21 dated 03/08/2021).

General Conditions:

a) Construction Phase :-

- I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.
- III. Any hazardous waste generated during construction phase should be disposed of as

per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

- IV. 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.
- V. Arrangement shall be made that waste water and storm water do not get mixed.
- VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
- VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- IX. 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.
- X. The Energy Conservation Building code shall be strictly adhered to.
- XI. All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
- XII. Additional soil for levelling 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.
- XIII. 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.
- XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XV. 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.
- XVI. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XVII. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
- XVIII. 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.
- XIX. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction-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 is preferred. The location of the DG sets

may be decided with in consultation with Maharashtra Pollution Control Board.

- XX. 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 by a separate environment cell /designated person.

B) Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste 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. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- III. a) 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. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.
- IV. 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.
- V. 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.
- VI. 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.
- VII. PP to provide adequate electric charging points for electric vehicles (EVs).
- VIII. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- IX. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- X. 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.
- XI. 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 <http://parivesh.nic.in>

- XII. 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.
- XIII. 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.
- XIV. 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, SO₂, NO_x (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.

C) General EC Conditions:-

- I. PP has to strictly abide by the conditions stipulated by SEAC & SEIAA.
- II. 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.
- III. 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.
- IV. 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.
- V. 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.
- VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- VII. 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.

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. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.

6. 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.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.

8. 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.

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


Manisha Patankar-Mhatre
(Member Secretary, SEIAA)
5/1/2022

Copy to:

1. Chairman, SEIAA, Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Pune.
6. Commissioner, Pune Municipal Corporation
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

