

PARIVESH <i>(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)</i>	ENVIRONMENTAL CLEARANCE
---	------------------------------------



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

To,

The Director
M/S ARKADE DEVELOPERS PVT. LTD
Arkade House, 02nd Floor, opposite Bhoomi Arkade, next To Children Academy, A.S. Marg, Ashok Nagar, Kandivali E, Mumbai -400101

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/INFRA2/440550/2023 dated 16 Aug 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC24B038MH182129
2. File No.	SIA/MH/INFRA2/440550/2023
3. Project Type	New
4. Category	B
5. Project/Activity including Schedule No.	8(a) Building and Construction projects
6. Name of Project	Proposed Residential Building on plot bearing C.T.S no 704 of village Nahur, Mulund, Asha Nagar, T ward, Mulund West, Mumbai by Arkade Developers Pvt Ltd.
7. Name of Company/Organization	M/S ARKADE DEVELOPERS PVT. LTD
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.

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (MAHARASHTRA)

Date: 02/02/2024



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.

This is a computer generated cover page.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/INFRA2/440550/2023
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To

M/s.Arkade Developers Pvt. Ltd.,
C.T.S no 704 of Village- Nahur, Mulund,
Asha Nagar, T ward, Mulund West, Mumbai.

Subject : Environmental Clearance for Proposed Residential Building on plot bearing C.T.S no 704 of Village- Nahur, Mulund, Asha Nagar, T ward, Mulund West, Mumbai by M/s.Arkade Developers Pvt. Ltd.

Reference : Application no. SIA/MH/INFRA2/440550/2023

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 215th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 270th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 09th November, 2023.

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

Sr. No.	Description	Details	
1	Proposal Number	SIA/MH/INFRA2/440550/2023	
2	Name of Project	Proposed Residential Building on plot bearing C.T.S no 704 of village Nahur, Mulund, Asha Nagar, T ward, Mulund West, Mumbai by Arkade Developers Pvt Ltd	
3	Project category	8(a), B2	
4	Type of Institution	Private	
5	Project Proponent	Name	M/s. Arkade Developers Pvt Ltd
		Regd. Office address	Arkade house, opp. Bhoomi-Arkade building, next to Children's Academy school, A. S. Marg, Ashok Nagar, Kandivali (East), Mumbai – 400101
		Contact number	9930217879
		e-mail	sandeepjain@arcade.in
6	Consultant	Name: M/s. Enviro Analysts & Engineers Pvt Ltd. NABET Accreditation No: NABET/EIA/2124/SA0193 Validity: 18.06.2024	
7	Applied for	New Project	
8	Location of the project	CTS no 704	
9	Latitude and Longitude	Latitude: 19° 9'59.61"N Longitude: 72°56'29.85"E	

10	Plot Area (Sq.m.)	8327.20 Sq.m					
11	Deductions (Sq.m.)	444.47 Sq. m					
12	Net Plot area (Sq.m.)	7882.73 Sq. m					
13	Ground coverage (m ²) & %						
14	FSI Area (Sq.m.)	25,572.28 Sq. m					
15	Non-FSI (Sq.m.)	36,261.69 Sq. m					
16	Proposed built-up area (FSI + Non FSI) (Sq.m.)	61,833.97 Sq. m					
17	TBUA (m ²) approved by Planning Authority till date	Concession approved dated 25/08/2023 for FSI area of 25572.28 sqm.					
18	Earlier EC details with Total Construction area, if any.	NA					
19	Construction completed as per earlier EC (FSI + Non FSI) (Sq.m.)	--					
20	Previous EC / Existing Building			Proposed Configuration			
	Building Name	Configuration	Height (m)	Building Name	Configuration	Height (m)	Reason for Modification / Change
	NA	NA	NA	Wings A, B, D, E	Common 2nd level part basement for services+ common 1st level basement + Ground FL + 1st to 4th podium FL + 5th podium (eco-deck) FL + 6th to 22nd residential FL	69.95 m	--
	NA	NA	NA	Wing F	1st level basement + Ground FL + 1st to 4th podium FL + 5th podium(eco-deck) fl + 6th to 22nd residential FL	69.95 m	--
	NA	NA	NA	Wing C	Gr FL + 1st to 4th podium FL + 5th podium(eco-deck) fl + 6th to 22nd residential FL	69.95 m	--
	NA	NA	NA	Wing G (I.H)	2nd level Part basement for Services + Ground FL + 1st to 17th residential FL	57.95 m	--
21	No. of Tenements & Shops	Residential 400					
22	Total Population	2036 nos.					
23	Total Water Requirements CMD	294 KLD					
24	Under Ground Tank (UGT) location	Basement					

25	Source of water	MCGM (Municipal Corporation of Greater Mumbai)		
26	STP Capacity & Technology	280 KLD, MBBR (Wing A to F=250 KLD & Wing G = 30 KLD)		
27	STP Location	Basement		
28	Sewage Generation CMD & % of sewage discharge in the sewer line	248 KLD, 35% of sewage discharge in the sewer line.		
29	Solid Waste Management during Construction Phase	Type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	10 kg/day	Will be handed over to a recycler
		Wet waste	14 kg/day	Handed over to municipal waste collector
		Construction waste	Topsoil Excavation & Demolition quantity	From the present green area to be used for landscaping Demolition quantity of 2000 cum we will reuse in internal plot & road development and for Remaining quantity. As per SWM NOC 283 cum quantity will be transported & remaining debris NOC will be obtained subsequently.
		Empty cement bags	37100 Nos.	To be handed over to local recyclers
		Steel	10 MT	To be handed over to local recyclers
		Aggregates	25 MT	To be used as a layer for internal roads and building boundary walls.
		Broken Tiles	640 sqm	Waste tiles to be used as china mosaics for terraces.
		Empty Paint Cans (20 liter/ can)	930 nos	To be sold to recycler
		Cement Sheets	2000 sq.m t	To be handed over to local recyclers

30	Total Solid Waste Quantities with type during Operation Phase & Capacity of OWC to be installed	Type	Quantity (Kg/d)	Treatment / disposal						
		Dry waste	751 kg/day	Will be handed over to a recycler						
		Wet waste	500 kg/day (Wing A to F=440 Kg/d & Wing G = 60 Kg/d)	Composting by OWC- manure produced will be used at a site for landscaping, 2 OWC of total Capacity - 500 kg/day						
		E-Waste	1018 kg/ year	Will be collected and sent to MPCB authorized recyclers.						
		STP Sludge (dry)	12 kg/day	Dry sewage sludge will be used as manure for gardening.						
31	R.G. Area in sq.m.	Required RG – 1576.55 sqm Proposed RG on mother earth – 1577.05 sqm RG on Podium – 1720.35 sqm Total RG for the project – 3297.40 sqm Nos. of existing trees: 102 nos. Nos. of trees to be cut: 15 nos. Nos. of trees to be retained: 74 nos. Nos. of trees to be transplanted: 13 nos. Number of trees to be planted: a) In RG area: 474 nos. b) In Miyawaki: 400 nos. Total nos. of trees after the development: 948 nos.								
32	Power requirement	During Operation Phase: <table border="1"> <tr> <td>Details</td> <td>MSEDCL</td> </tr> <tr> <td>Connected load (kW)</td> <td>7867 KW</td> </tr> <tr> <td>Demand load (kW)</td> <td>1843 KW</td> </tr> </table>			Details	MSEDCL	Connected load (kW)	7867 KW	Demand load (kW)	1843 KW
Details	MSEDCL									
Connected load (kW)	7867 KW									
Demand load (kW)	1843 KW									
33	Energy Efficiency	a) Total Energy saving (%): 20% b) Solar energy (%): 5%								
34	D.G. set capacity	1 x 500 KVA								
35	No. of 4-W & 2-W Parking with 25% EV	Proposed no: 438 (4-wheeler) Proposed no: 188 (2-wheeler)								
36	No. & capacity of Rain water harvesting tanks /Pits	2 RWH tanks is proposed which is having a total capacity of 92 cu.m/day.								
37	Project Cost in (Cr.)	Rs. 301.26 Cr.								
38	EMP Cost	a) Construction phase: - 1. Capital Cost- Rs. 14.60 Lakhs, 2. Recurring cost- Rs. 44.40 Lakhs/Annum. b) Operation phase: - 1. Capital Cost- Rs. 798.50 Lakhs, 2. O and M cost- Rs. 72.50 Lakhs/Annum.								

39	CER Details with justification if any....as per MoEF&CC circular dated 01/05/2018	With CER Shall be implemented as part of EMP as prescribed by EAC/SEAC as mentioned in OM F.NO. 22-65/2017-IA.III dated September 30,2020
40	Details of Court Cases/ litigations w.r.t the project and project location, if any.	NA

3. Proposal is a new construction project. Proposal has been considered by SEIAA in its 270th (Day-2) meeting held on 09th November, 2023. 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 IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra showing all required/mandatory RG area on mother earth.
2. PP to obtain following NOCs & remarks:
a)Sewer connection; b) SWD NOC/remarks; c) Revised CFO NOC.
3. PP to submit undertaking and architect certificate mentioning that they have provided all required RG on mother earth as per the Hon'ble Supreme Court order regarding RG area.
4. PP to provide required 2-wheeler parking as per prevailing DCR & submit revised parking statement of required & provided parking.

B. SEIAA Conditions:-

1. PP has provided mandatory RG area of 1576.55 m² on mother earth without any construction. Local planning authority to ensure the compliance of the same.
2. 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.
3. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
4. 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.
5. SEIAA after deliberation decided to grant EC for-FSI- 25,572.28 m², Non FSI- 36,261.69 m², total BUA- 61,833.97 m². (Plan approval No-P-10674/20229704)/T- ward/Nahur-T/337/2/Amend, dated-25.08.2023)

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. 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.
 - XVII. 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.
 - XVIII. 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.
- XIX. 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 parivesh.nic.in
- XII. 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.
- XIII. 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.

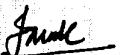
5. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.

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.



Pravin Darade

(Member Secretary, SEIAA)

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, Mumbai Suburban.
6. Commissioner, Municipal Corporation of Greater Mumbai.
7. Regional Officer, Maharashtra Pollution Control Board, Mumbai.

Signature Not Verified

Digitally signed by: Shri Pravin C.
Darade , I.A.S.

Designation: Member Secretary

Date and Time: 22/02/2024 4:02:59 PM