



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

To,

The Partner
MERLIN BHINGARWALA DEVELOPERS LLP
502, 5th Floor, East Court Building, Viman Nagar, Pune -411014

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/INFRA2/412721/2022 dated 06 Jan 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B039MH152592
2. File No.	SIA/MH/INFRA2/412721/2022
3. Project Type	Expansion
4. Category	B
5. Project/Activity including Schedule No.	8(b) Townships and Area Development projects.
6. Name of Project	Residential & Commercial Project 'Merlin Elementa-II'
7. Name of Company/Organization	MERLIN BHINGARWALA DEVELOPERS 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: 30/05/2023

(e-signed)
Pravin C. Darade , I.A.S.
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

No. SIA/MH/INFRA2/412721/2022
Environment & Climate Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. Merlin Bhingarwala Developers LLP
S. No. 55/1A/1/11+12+13+14, Village: Tathawade,
Taluka: Mulshi, Pune

Subject: Environmental Clearance for Proposed EC amendment in Residential & Commercial Project proposed at S. No. 55/1A/1/11+12+13+14, Village: Tathawade, Taluka: Mulshi, Pune by M/s. Merlin Bhingarwala Developers LLP

Reference: Application no. SIA/MH/INFRA2/412721/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-3 in its 165th meeting under screening category 8(b) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 259th meeting (Day-3) of State Level Environment Impact Assessment Authority (SEIAA) held on 24.04.2023.

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

1.	Proposal number	SIA/MH/INFRA2/412721/2022	
2.	Name of Project	Proposed EC amendment in Residential & Commercial Project proposed at S. No. 55/1A/1/11+12+13+14, Village: Tathawade, Taluka: Mulshi, Pune, Maharashtra	
3.	Project category	8(b), B1	
4.	Type of Institution	Private	
5.	Project Proponent	Name	Merlin Bhingarwala Developers LLP
		Regd. Office address	502, 5 th Floor, East Court Building, Viman nagar, Pune -411014
		Contact number	020-45799061 / 48600199
		e-mail	bhairav@merlinprojects.com
6.	Consultant	Sneha Hi-Tech Products Pvt. Ltd. Certificate No. NABET/EIA/2124/RA0235 dated 05.04.2022 validtill 15.02.2024	
7.	Applied for	Amendment in Environment Clearance of proposed Residential & Commercial project	
8.	Details of previous EC	EC vide letter no. SIA/ MH/ MIS/169152/2020 dated 29.04.2021	

9.	Location of the project	S.No. 55/1A/1/11+12+13+14, Village: Tathawade, Taluka: Mulshi, Pune, Maharashtra				
10.	Latitude and Longitude	Latitude: 18°28'12.36"N, Longitude: 73°54'32.18"E				
11.	Total Plot Area (m ²)	40,500 sq.m.				
12.	Deductions (m ²)	2,978.39 sq.m.				
13.	Net Plot area(m ²)	37,521.61 sq.m.				
14.	Proposed FSI area(m ²)	1,16,552.32 sq.m.				
15.	Proposed non-FSI area(m ²)	48,993.19 sq.m.				
16.	Proposed TBUA (m ²)	1,65,545.51 sq.m.				
17.	TBUA(m ²) approved by Planning Authority till date	Plan approved vide BP/ENV/Tathawade/02/2022 dated 11.02.2022				
18.	Ground coverage(m ²) &%	19,908.85 sq.m. (53.06% of net plot area)				
19.	Total Project Cost (Rs.)	Rs. 264 Crs				
20.	CER	Activity	Location	Cost (Rs.)	Duration	
NA						
20.	Details of Building Configuration					Reason for Modification/ Change
	Previous EC/ Existing Building			Proposed Configuration		
	Bldg. Name	Configuration	Ht. (m)	Bldg. Name	Configuration	Ht. (m)
	Phase 1					
	Bldg. A type (A1,A2, A3 & B1)	Stilt+1 5 floors	48	-	-	-
	Bldg. B type (D1,C1 & C2)	Stilt+1 5 floors	39	-	-	-
	Bldg. D type (A4,A5, A6 & B2)	Stilt+1 5 floors	48	-	-	-
	Parking Bldg.	B+Gr+3 floors	10	-	-	-
	4 Club house	G+1 floor	4.4-8.25	-	-	-
	Recreation a l Bldg.	G+1 floor	6.45	-	-	-
	Comm shops	Gr	4.65	-	-	-
	Phase					

2							
	Bldg. A type	2B+P+13 floors	44.85	Bldg. A type	2B+P+13 floors	44.95	Change in configuration of comm 1 bldg.
	Bldg. B type	2B+P+13 floors	44.85	Bldg. B type	2B+P+13 floors	44.95	
	Bldg. C type	2B+P+13 floors	44.85	Bldg. C type	2B+P+13 floors	44.95	
	Comm 1	2B+G+Mezz+2 floors	12.4	Comm 1	2B+P+2 floors	17.05	
Phase 3							
	Bldg. D type	B+P+13 floors	44.85	Bldg. D type	B+P+13 floors	44.85	Change in configuration of bldg. I, J & comm 2
	Bldg. E type	B+P+13 floors	44.85	Bldg. E type	B+P+13 floors	44.85	
	Bldg. F type	B+P+13 floors	44.85	Bldg. F type	B+P+13 floors	44.85	
	Bldg. G type	B+P+13 floors	44.85	Bldg. G type	B+P+13 floors	44.85	
	Bldg. H type	B+P+13 floors	44.85	Bldg. H type	2B+P+13 floors	44.85	
	Bldg. I type	B+P+13 floors	44.85	Bldg. I type	2B+P+13 floors	44.85	
	Bldg. J type	B+P+10 floors	43.20	Bldg. J type	B+P+11 floors	42.95	
	Comm. 2	B+G+Mezz+2 floors	9.9	Comm. 2	B+P+1 floor	17.05	
				Club house	G+1 floor	8.60	
21.	Total number of tenements & Users	Tenements: 950 Commercial Area – 25,879.87 sq.m Residential: 4,750 nos. Commercial: 4,396 nos. Total: 9,146 nos.					
22.	Water Budget	Dry Season (CMD)		Wet Season (CMD)			
		Fresh Water	537.40	Fresh Water	537.40		
		Recycled water (flushing)	301.67	Recycled water (flushing)	301.67		
		Recycled water (Gardening)	50	Recycled water (Gardening)	0		
		Recycled water (HVAC)	0	Recycled water (HVAC)	0		
		Swimming Pool	5.18	Swimming Pool	5.18		
		Total	894.25	Total	844.25		
		Waste water generation	755.16	Waste water generation	755.16		

23.	Water Storage Capacity for Fire fighting/ UGT				
		Bldgs.	Domestic Water in (m3)	Flushing Water in (m3)	Fire Water in(m3)
		Phase 1	229	115	225
		Comm 1	75	60	-
		Phase 2	413	207	525
		Comm 2	121	97	-
24.	Source of water	PCMC/Tanker water			
25.	Rainwater Harvesting(RWH)	Level of the Ground water table:	Summer Season – 17.00 m. to 23.75 m.BGL. (20.38 M. Average) Rainy Season – 6.50 m. to 10.25 BGL.(8.38 M. Average) Winter Season – 11.75 m. to 17.00 m. BGL. (14.38 M. Average)		
		Size and no. of RWH tank(s) and Quantity:	NA		
		Quantity and size of recharge pits:	20 nos., (12 for Roof-Top & 8 for Surface Run-Off) a) 2.50 m. X 2.50 m. X 1.50 m. (Or equivalent volume) with 60 m. Deep 6”Dia. Bore Well via 0.9 m. Dia. 1.0 m. Deep de-siltation pit. For Roof Top & b) 2.50 m. X 2.50 m. X 1.50 m. (Or equivalent volume) with 60 m. Deep 6”Dia. Bore Well via 0.9 m. Dia. 2.0 m. Deep de-siltation pit. For Surface		
26.	Sewage and Wastewater	Sewage generation in CMD:	770 KLD		
		STP technology:	MBBR		
		Capacity of STP (CMD):	STP 1: 210 KLD STP 2: 380 KLD STP 3: 50 KLD & STP 4: 130 KLD		
27.	Solid Waste Management during Construction Phase	Type	Quantity(kg/d)	Treatment/disposal	
		Dry waste:	25 kg/day	It will segregated and handed over to authorized vendor	
		Wet waste:	20 kg/day	It will disposed through municipal waste collection system	
		Construction waste	At actual	Utilized on site at maximum extent. Rest will be disposed as per local norms	

28.	Solid Waste Management during Operation Phase	Type	Quantity(kg/d)	Treatment/disposal
		Dry waste	1609 kg/day	Handed over to Authorized recycler
		Wet waste	1865 kg/day	Treated in OWC
		Hazardous waste	0	0
		Biomedical waste	At actual (mask/gloves etc.)	Handed over to Authorized agency
		E-Waste	31 kg/day	Handed over to Authorized recycler
		STP Sludge(dry)	75 kg/day	Used as manure for gardening
29.	Green Belt Development	Total RG area (m ²)		Required: 3752.16 Provided: 3768.00
		Existing trees on plot		161
		Number of trees to be planted		315
		Number of trees to be cut		0
		Number of trees to be transplanted		96
30.	Power requirement	Source of power supply:		MSEDCL
		During Construction Phase (Demand Load):		150 KVA
		During construction phase- DG set		2 x 75 KVA
		During Operation phase (Connected load)		9,461 KVA
		During Operation phase(Demand load):		5,040 KVA
		Transformer:		8 x 630 KVA
		DG set		1 x 500 KVA 1 x 600 KVA
		Fuel used		HSD
31.	Details of Energy saving	Total Energy saving: 23.48% (against Conventional Base Case) Savings through renewable energy: 7.62%		
32.	Environmental Management plan budget during Construction phase	Sr. No.	Details	Cost (Rs.) Lakhs
		1	Capital Cost- Site Barricading, Personal Protective Equipment, Site Sanitation- Mobile toilets& Debris Management	30
		2	O & M cost/year	
		A	Water for Dust Suppression	4.2
		B	Site Sanitation , Disinfection & Safety	3.0
		C	Environmental Monitoring	2.0
		D	Health Check up	4.0

		E	Environment Management Cell	8.4		
		F	Total	21.6		
33.	Environmental Management plan Budget during Operation phase	Sr. No.	Pollution Control & Other Environment Infrastructure	Details	Capital Cost In Rs. Lakhs	Annual IO & M Cost In Rs. Lakhs/annum
		1	Rain Water Harvesting	Construction of Recharge pits	25.00	1.00
		2	Storm Water	Connection to external drains	16.08	0.80
		3	STP	STP installation & OM	251.08	39.89
		4	Organic Waste Composting	Installation of OWC machine	46.50	1.50
		5	Hazardous waste	NA	0	0
		6	e-waste	Charges of authorized vendors	0	0.30
		7	Tree Plantation	Plantation of new trees and maintenance of existing trees	355.86	1.21
		8	Energy saving	Installation of Energy saving equipments, solar PV panel, hot water system	209.59	10.48
		9	Environment Management Cell	To monitor sustainability of Environmental Infrastructure	0	7.80

				s			
		10	Environment Monitoring	Noise, air, water, soil, manure monitoring	0	2.80	
		11	Basement Ventilation	Mechanical Ventilation for basements	110	1.0	
		12	Disaster Management	Cost of disaster preparedness	73	10	
		13	Biomedical Waste Management	Handling, segregation and management of waste	0	0.30	
		14	Total		1087.11	77.08	
34.	Traffic Management	Required as per DCR		Actual Provided		Area per parking(m ²)	
	4-Wheeler	883		883		28-35	
	2-Wheeler	371		371			
		3		3			
35.	Details of Court cases/litigations w.r.t. the project and project location if any.					NA	

3. Proposal is an expansion of existing construction project. PP informed that, EC was obtained for said plot with adjacent plot vide letter dated 29.04.2021 for total plot area of 1,11,768 m² and total built area of 2,78,458.85 m² by M/s. Akshar Land Developers Pvt. Ltd. PP further informed that, the plot got sub-divided on 13.10.2021 vide letter no. B.P./Sub Division/Tathawade/86/2021. Due to subdivision of plot there is change in proposed building plan. Proposal has been considered by SEIAA in its 259th meeting (Day-3) 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 layout superimposed on DP indicating position of adjoining road with reference to plot boundary.

2. PP to revise carbon footprint report incorporating impacts of construction and demolition waste disposal / transport and carbon sequestration due to plantation.
3. It is noted that, 96 plants are proposed to transplant. PP to submit the permission for the same. Also, PP to propose to cut the subabul and Jamun trees as they are difficult to transplant.
4. PP to submit the revised fire NoC and solid waste disposal NoC.
5. PP to provide electric charging facility by providing charging points at suitable places as per Maharashtra Electric Vehicle Policy,2021.
6. PP to ensure that, the water proposed to use for construction phase should not be drinking water. They can use recycled water or tanker water for proposed construction.

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 area - 1,16,552.32 m2, Non FSI area - 48,993.19 m2 and total BUA - 1,65,545.51 m2. (Plan approval No. BP/EC/Thathwade/02/2022 dated 11.02.2022)

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, Pune
6. Commissioner, Pimpri Chinchwad Municipal Corporation
7. Regional Officer, Maharashtra Pollution Control Board, Pune