

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/163098/2020
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.
Date: 23/08/2021

To
M/s. KAKKAD GROUP,
S.No. 1, Ambegaon (Budruk), Pune

Subject : Environment Clearance for Proposed Construction Project Bella Casa at
S.No. 1, Ambegaon (Budruk), Pune by KAKKAD GROUP

Reference : Application no. SIA/MH/MIS/163098/2020

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-3 in its 113th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 227th meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

Proposal Number	SIA/MH/MIS/163098/2020	
Name of Project	"Bella Casa" by M/s. Kakkad Group	
Project category	8(a)	
Type of Institution	Private	
Project Proponent	Name	Mr. Anand Kakkad
	Regd. Office address	501, Sai Capital, Senapati Bapat Road, Laxmi Society, Model Colony, Shivajinagar, Pune
Consultant	JV Analytical Services Accreditation Number: NABET/EIA/1720/IA0022, Validity: Applied for renewal.	
Applied for	New Project	
Details of previous EC	NA	
Location of the project	S.no 1(P), Ambegaon (Budruk), Tal: Haveli, Pune	
Latitude and Longitude	Latitude: 18°27'16.86"N Longitude: 73°50'03.54"E	
Total Plot Area (m ²)	7400.00 m ²	
Deductions (m ²)	1498.3 m ²	
Net Plot area (m ²)	5901.70 m ²	
Proposed FSI area (m ²)	17705.10 m ²	

Proposed non-FSI area (m ²)	20256.86 m ²				
Proposed TBUA (m ²)	37961.96 m ²				
TBUA (m ²) approved by Planning Authority till date	3,529.76 m ² (FSI Area 740.48 m ² + Non FSI Area 2789.28 m ²)				
Ground coverage (m ²) & %	1088.78 m ² 14.71 % of total plot area (7400.00 m ²) 18.44 % of net plot area (5901.71 m ²)				
Total Project Cost (Rs.)	Rs. 758600000				
Details of Building Configuration:					Reason for Modification / Change
Previous EC / Existing Building			Proposed Configuration		
Building Name	Configuration	Height (m)	Building Name	Configuration	Height (m)
-	-	-	Wing -A (LIG & Commercial)	L.GR+UP.GR+M+17 Floor	53.70 m
-	-	-	Wing- B	L.GR.+UP.GR +Stilt + Podium +21 Floor	69.80 m
-	-	-	Wing- C	L.GR.+UP.GR +Stilt + Podium +21 Floor	69.80 m
Total number of tenements			Proposed Tenements: 391 Nos. Showroom = 06 Nos. Office = 05 Nos.		
Water Budget	Dry Season (m³/day)		Wet Season (m³/day)		
	Fresh Water	178.55 m ³ /day	Fresh Water	178.55 m ³ /day	
	Recycled water for Gardening	3.93 m ³ /day	Recycled water for Gardening	NA	
	Swimming Pool	NA	Swimming Pool	NA	
	Recycled water for Flushing	90.05 m ³ /day	Recycled water for Flushing	90.05 m ³ /day	
	Total	272.53 m ³ /day (one time)	Total	268.6m ³ /day (one time)	
	Excess treated water generation	147.75 m ³ /day	Excess treated water Generation	151.68 m ³ /day	
Water Storage Capacity for Firefighting/UGT	Domestic water tank Capacity: 280.00 m ³ Flushing water tank Capacity: 140 m ³ Fire water tank Capacity: 300.00 m ³				

Source of water	Pune Municipal Corporation (PMC)		
Rainwater Harvesting (RWH)	Level of the Ground water table:	Pre monsoon – 10-11 m BGL Post monsoon – 9 -11m BGL	
	Size and no of RWH tank(s) and Quantity:	Not Applicable	
	Quantity and size of recharge pits:	03 Nos. (2 m x 2 m x 2 m depth) with 6" Dia. 60 m deep bore well via de-silting chamber with O&G trap.	
	Details of UGT tanks if any:	Domestic water tank Capacity: 280.00 m ³ Flushing water tank Capacity: 140 m ³ Fire water tank Capacity: 300.00 m ³	
Sewage and Waste water	Sewage generation in CMD:	241.73 m ³ /day	
	STP technology:	MBBR	
	Capacity of STP (CMD):	250 m ³ /day	
Solid Waste Management during Construction Phase	Type	Quantity (kg/day)	Treatment / disposal
	Dry waste:	30.00 Kg/day	Send to Authorized Vendor
	Wet waste:	20.00 Kg/day	Send to Authorized Vendor
	Construction waste	50.00 Kg/day	Will be used for Levelling
Solid Waste Management during Operation Phase	Type	Quantity (kg/day)	Treatment / disposal
	Dry waste:	407 Kg/day	Handed over to Authorized Vendor
	Wet waste:	597 Kg/day	Organic Waste Convertor
	Hazardous waste:	NA	NA
	Biomedical waste	NA	NA
	E-Waste	2.96 Kg/day	Handed over to Authorized Vendor
	STP Sludge (dry)	37.20 Kg/day	Used as manure after treatment in OWC
Green Belt Development	Total RG area (m ²):	655.75 m ²	
	Existing trees on plot:	20 Nos.	
	Number of trees to be planted:	110Nos.	
	Number of trees to be cut:	3 Nos	
	Number of trees to be transplanted:	NA	
Power requirement:	Source of power supply:	MSEDCL	
	During Construction Phase (Demand Load):	30 KW	
	During Operation phase (Connected load):	1839.89 KW	
	During Operation phase (Demand load):	933.03 KW	
	Transformer:	630 KVA x 2Nos.	
	DG set:	200 KVA - 01 No.	
	Fuel used:	HSD	
Details of Energy saving	As per MSEDCL requirements, we planned to use high efficiency Transformer & to reduce losses. Losses for Transformer will be as per IS standards & ECBC norms.		

	<p>We are planning to keep power factor of the common load installation near unity. Following are the Energy efficient fixtures should be used in our project for energy conservation :- Energy efficient LED fixtures are proposed for bracket lights provided of all buildings. LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area. The estimated saving in common area lighting consumption is up to 19.23 % due to adopting above measures. Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment. V3F drive motors should be used for lifts, which saves 30% energy consumption.</p>			
Environmental Management plan budget during Construction Phase	Type	Details		Cost
	Capital	Site Barricading, Personal Protective Equipment, Sanitation-toilets Site Mobile		25 Lakh
	O&M	Water for Dust Suppression, Air & Noise Monitoring, Tanker Water for Construction & Labour, Water Monitoring, Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches for children, Food for children.		10 Lakh/Year
Environmental Management plan Budget during Operation phase	Component	Details	Capital (Rs.)Lakh	O&M (Rs. in Lacs /Year)
	Storm Water	NA	NA	NA
	Sewage treatment	-	65.00	10.52
	Water treatment	NA	NA	NA
	RWH	-	6.3	0.19
	Swimming Pool	NA	NA	NA
	Solid Waste	Organic Waste Convertor	15.50	3.61
		Dry waste Management	-	2.34
	Hazardous waste	NA	NA	NA
	e-waste	-	-	0.50
	Green belt development	-	16.94	2.11
	Energy saving	-	24.86	7.83
	Environmental Monitoring	-	-	2.50
Biomedical Waste	-	-	1.00	

	Management			
	Disaster Management		304.41	21.92
Traffic Management	Type	Required as per DCR	Actual Provided	Area per parking (m ²)
	4-Wheeler	213 Nos.	213 Nos.	Covered Parking- 30 m ²
	2-Wheeler	700 Nos.	700 Nos.	2.00 m ²
	Bicycles	--	--	--

3. The proposal has been considered by SEIAA in its 227th 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 site specific, executable EMP encompassing monitoring matrix, Environment Cell and responsibility for execution
2. PP to submit following NOC's: (a) CFO (b) Water supply with quantity, (c) solid waste / e-waste management.

B. SEIAA Conditions-

1. PP to provide grass pavers of suitable types & strength to increase the water permeable mother earth area up to 1/3rd of plot area as well as 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- 19234.98 m², Non-FSI- 11050.29 m², Total BUA- 30285.27 m². (Plan approval- CC/0068/21 dated 07/04/2021)

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 off 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.

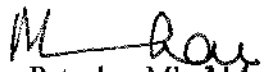
5. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.

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 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-Mhaskar
(Member Secretary, SEIAA)
23/8/2021

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.

