

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2013/CR 739/ TC-II
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 25 January, 2016.

To,
M/s. Nirman Homes
205, Citi Center, Opp. Ayurved Rasashala,
Karve Road, Pune - 411004

Subject: Environment Clearance for Proposed residential construction project at S. 11/8(P), 12(P), 12/2 A (P), 12/3(P), 16(P) Ambegaon Budruk, Tal Haveli, Dist, Pune by M/s. Nirman Homes.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its 28th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 88th meeting.

2. It is noted that the proposal is considered by SEAC-III under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

1.	Name of Project	"Nirman Viva"
2.	Project Proponent	"Nirman Homes"
3.	Consultant	Oasis Environmental Foundation
4.	Accreditation of consultant (NABET Accreditation)	QCI NABET Accredited
5.	Type of project: Housing project/Industrial Estate/ SRA scheme/MHADA/ Township or others	Housing Project (Expansion of Residential Construction Project)
6.	Location of the Project	Sr. No. 11/8(P), 12(P), 12/2 A (P), 12/3(P), 16(P), Ambegaon Budruk, Tal. Haveli Dist. Pune.
7.	Whether in Corporation /Municipal/other area	Town Planning
8.	Applicability of the DCR	Yes

9.	IOD/IOA/Concession document or any other form of document as applicable (Clarifying its conformity with local planning rules & provision)	In Process
10	Note on the initiated work (If applicable)	<ul style="list-style-type: none"> Total constructed work (FSI+ Non FSI): Construction for expansion phase is not yet started Date and area details in the necessary approvals issued by the competent authority (attach scan copies): NA
11	LOI /NOC from MHADA /Other approvals (If applicable)	NA
12	Total Plot Area (sq. m.) Deductions Net Plot area	Plot Area – 16,800.00m ² Deductions – Nil Net Plot Area- 16,800.00m ²
13	Permissible FSI (including TDR etc.)	1.20
14	Proposed Built-up Area (FSI & Non-FSI)	<ul style="list-style-type: none"> FSI area (m²) : 17,678.92 Non FSI area (m²) : 13142.89 Total BUA area (m²) : 30,980.57
15	Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.36 % (3264.22m ²)
16	Estimated Cost of the Project	48.47 Cr
17	No. of building & its configuration(s)	<p>1. Residential: 7 Nos. Existing building Configuration Building A to C= P+4, Building D= P+9, Building E1 = P+11, Building E2 = P+1 Expansion Building Configuration Building E2: 2nd floor + 12, F = P+11</p> <p>2. Commercial: N.A. 3. ClubHouse: 1 No. G+1</p>
18	Number of tenants and shops	341 Nos. of Tenements
19	Number of expected residents /users	Residential: 1705 nos. Commercial: 0 nos. Total: 1705 nos.
20	Tenant density per hector	250 per hector as per DCR
21	Height of the building(s)	Building A – 14.25 mt., Building B – 14.25 mt., Building C – 14.25 mt., Building D – 28.50 mt., Building E1 – 34.20 mt., Building E2 – 37.05mt. Building F – 34.20 mt.
22	Right of way (Width of the road from the nearest fire station to the proposed building(s))	9.00 m

23	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
24	Existing structure(s)	Construction for Phase I has been completed as per completion certificate. Details are as follows: Building A, B, C, D, E1, E2 : P+1
25	Details of the demolition with disposal (If applicable)	NA
26	Total Water Requirement	Residential& Commercial Dry season: Source: Grampanchayat Ambegaon Budruk Freshwater: 153 KL Recycled water (Flushing): 77 KL Recycled water(Gardening): 26 KL HVAC Makeup: NA Total Water Requirement: 256 KL Excess treated water: 112 KL Swimming Pool: 123.25 KL Firefighting(Cum): 200 KL Wet Season: Freshwater: 153KL Recycled water (Flushing): 77 KL Recycled water(Gardening): Nil HVAC Make up: NA Total Water Requirement: 230 KL Excess treated water: 138 KL Swimming Pool: 123.25 KL Firefighting(Cum): 200KL
27	Details about Swimming Pool:	Main Pool Size – 44'0" ft X 24'0" ft X 4'0" ft Total water Requirement in KLD: 123.25 KLD Water requirement for make up in KLD: 2.5-3.5 Ltrs Details of Plant & Machinery used for treatment of Swimming pool water: As per Enclosure I Details of quality to be achieved for swimming pool water and parameters to be monitored: a. pH : 7.2 b. Chlorine level : 1.5 to 2.2 mg/l
28	Rain Water Harvesting (RWH)	Level of the Ground water table: 2.5 to 5 m Size and no of RWH tank(s) and Quantity: NA Capacity of RWH tanks: NA Location of the RWH tank(s):NA No. of Recharge pit: 11 Nos. Commercial: No. of RWH Tanks: NA

		Capacity of RWH tanks: NA Location of the RWH tank(s): NA No of recharge pits: NA Budgetary allocation (Capital cost and O& M cost): Capital cost: 13,33,000.00/- O&M cost: 1,65,000/- p.a
29	UGT tanks	Residential& Commercial: Domestic UG tank Capacity: 231.5KL Flushing UG tank Capacity: 77KL Fire UG tank Capacity: 200 KL
30	Storm water drainage	Natural water drainage pattern: As per contour Quantity of storm water: 514.15 m3 • Size of SWD: RCC pipe from 450mmx 450mm gutter with slope 1:200
31	Sewage and Waste water	Residential: Sewage generation(CMD): 215 Capacity of STP (CMD): 220 KL STP technology: MBBR Location of STP: Enclosure II Commercial: Sewage generation(CMD):): N.A. (Considered in residential) Capacity of STP (CMD): Same as Residential STP technology: NA DG sets (during emergency) Residential & Club House: 320 KVA, 1 no. Budgetary allocation (Capital cost and O & M cost): Capital Cost: 49,50,000/- O & M Cost: 8,33,800/- p. a.
32	Solid waste Management	Waste generation in the pre-Construction and Construction phase: Waste generation: NA Quantity of the top soil to be preserved: 8,762.48CUM Disposal of the construction way debris: Land filling on the same site Waste generation in the operation phase Residential &commercial: Biodegradable waste: 486 Kg/day Non-Biodegradable waste: 298 Kg/day E-waste: NA Hazardous waste: NA Biomedical waste(Kg/month)(If applicable): NA STP sludge: 32.72 kg/day Mode of Disposal of waste: Dry waste: Through Authorized vendors Wet waste: OWC E-waste: NA Hazardous waste: NA

		Biomedical waste(Kg/month)(If applicable): NA STP sludge: Manure Area requirement: 1. Location(s): Plan Enclosed. 2. Total area provided for the storage & Treatment of the solid waste: 50Sq. mt. 3. Budgetary allocation(capital Cost & O & M cost): Capital Cost: 12,00,000/- O&M cost : 3,00,000/- p. a			
33	Greenbelt Development Total RG area: 1. RG area other than green belt (Please specify for playground, etc.): N.A.m2 2. RG area under green belt: RG on the ground (m2): 3891.64 m2 RG on the podium (m2): NA List of Proposed Plantation for the scheme:				
	Sr. No	Botanical Name	Common Name	Qty	Characteristics & Ecological Importance
	1	Bauhinia purpurea	Kanchan	10	Every part of the plant is medicinal, Drought tolerant species.
	2	Couroupita guianensis	Kailaspati	10	Medicinal value, Ornamental, Bird attracting.
	3	Erythrina indica	Pangara	10	Showy, spreading tree legume with brilliant red blossoms, bird attracting
	4	Cassia fistula	Bahava	10	Auspicious, attracts birds.
	5	Citrus reticulata	Santra	10	Fruit bearing tree, Bird attracting
	6	Psidium guajava	Peru	10	Fruit bearing tree, Bird attracting
	7	Azadirachta indica	Neem	10	attracts birds, attracts bees, insects and mosquito repellent, good for screening, good for shade, quick growing, evergreen
	8	Mimusops elengii	Bakul	10	Medicinal, Used in the treatment and maintenance of oral hygiene, Bird attracting. flowering tree, fragrant flowers, auspicious, good for screening, good for shade, attracts bees, evergreen
	9	Cassia glauca	Cassia	10	Medicinal Value, Ornamental plants.
	10	Bahunia blackania	Bahunia	10	Ornamental tree.
	11	Dillenia indica	Karmal	10	Edible fruit and Ornamental tree.
	12	Bahunia racemosa	Apta	10	Drought tolerant, Medicinal
	13	Albizzia lebbek	Shirish	10	Medicinal for skin, Fragrant flowers, Controls soil erosion, bird attracting
	14	Butea monosperma	Palas	05	Medicinal, Bird attracting, Soil erosion control

15	Nyctanthes arbor-tristis	Parijatak	05	Medicinal, Bird attracting
16	Anthocephalous cadamba	Kadamb	05	Medicinal, Soil erosion control bird Squirrel monkey attracting fruit
17	Lagerstromia speciosa	Taman	05	Good for screening, good for shade, attracts butterflies, attracts bees.
18	Michelia champaka	Pivala Chafa	05	Ornamental tree
19	Swetenia mahogani	Mahogani	05	Medicinal, Bird attracting
20	Saracaq indica	Sita Ashok	05	Medicinal, Religious Plant
21	Pterospermum acerifolium	Muchkund	05	Medicinal, Insect repellent, Religious plant.
22	Mangifera indica	Mango	10	Fruit bearing tree, Bird attracting
23	Peltophorum afrcanum	Copper pod tree	05	Good for screening, good for shade, attracts butterflies, attracts bees.
24	Syzygium cumini	Jambhul	10	Medicinal value, Edible fruit
25	Terminalia arjun	Arjun	05	wide canopy at the crown, medicinal value
26	Barringtonia acutangula	Newar	05	Medicinal value.
27	Ailanthus excelsa	Maharukh	05	Medicinal, Bird attracting, Soil erosion control
28	Garcinia arborea	Shivan	05	Medicinal value, Bird attracting species
29	Cordia dichotoma	Bhokar	05	Medicinal value, Edible fruits
30	Ficus arnottiana	Payar	05	Drought tolerant species, Bird attracting species. To control soil erosion
	Total		225	

Number & list of trees species to be planted in the ground: 225 Nos.
Number & list of shrubs and bushes species planted on the podium RG: NA
Number & list trees species to be planted around the border of nallah/steam/pond (If any): --
No. of Existing Trees: NA
Number, Size, Age and Species of trees to be cut, trees to be transplanted: NA
NOC for the tree cutting/transplantation/Compensatory plantation, if any: NA
Budgetary allocation (capital Cost & O & M Cost):
Capital Cost: 08,22,000/-
O&M:1,92,000/- p.a

34	Energy	<p>Power Supply: Maximum Demand: 2035 KVA Connect load: 2035 KVA Source: MSEDCL</p> <p>Total DG power consumption for residential buildings lighting loads – 320 KVA.</p> <p>Total DG power consumption for clubhouse building and Commercial Building, shops – Considered in Residential</p> <p>Energy saving measures: The following Energy Conservation Methods are proposed in the project: Auto Timer control for external & Common lighting Use of CFL / LED lamps in all public/ common areas. Solar powered water heating. Electronic V3F Drives for Elevators Detail calculations & % of saving: Timer Logic Controller : 11563 KWH / Anum Electronic VVF drive for Lifts : 26957 KWH / Anum Solar Water Heater : 593340 KWH / Anum</p> <p>% of saving: 5438960 KWH / Annum, approx. 10.41 % Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form):</p> <p>Compliance with Energy Conservation Building Code (ECBC) 2007</p> <table border="1" data-bbox="678 1160 1439 1937"> <thead> <tr> <th></th> <th>Section</th> <th>Requirement</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6.2.2</td> <td>Equipment efficiency standards</td> <td>Done</td> </tr> <tr> <td>2</td> <td>7.2</td> <td>Lighting controls to be controlled by photo sensor or time switch</td> <td>Done</td> </tr> <tr> <td>3</td> <td>7.2.1.4</td> <td>Exterior lighting to be controlled by photo sensor or time switch</td> <td>Done</td> </tr> <tr> <td>4</td> <td>7.3</td> <td>Interior lighting power to be within specific limits</td> <td>Done</td> </tr> <tr> <td>5</td> <td>7.4</td> <td>Exterior lighting power to be within specified limits</td> <td>Done</td> </tr> <tr> <td>6</td> <td>8.2.1.1</td> <td>Maximum allowable power loss from transformer</td> <td>Done</td> </tr> <tr> <td>7</td> <td>8.2.3</td> <td>Power factor be maintained between 0.95 and unity</td> <td>Done</td> </tr> </tbody> </table>		Section	Requirement	Remark	1	6.2.2	Equipment efficiency standards	Done	2	7.2	Lighting controls to be controlled by photo sensor or time switch	Done	3	7.2.1.4	Exterior lighting to be controlled by photo sensor or time switch	Done	4	7.3	Interior lighting power to be within specific limits	Done	5	7.4	Exterior lighting power to be within specified limits	Done	6	8.2.1.1	Maximum allowable power loss from transformer	Done	7	8.2.3	Power factor be maintained between 0.95 and unity	Done
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8	8.2.4	Check metering	Done
9	8.2.5	Power distribution system losses to be maintained less than 1 %	Done
<p>Budgetary allocation (Capital cost and O & M cost):</p> <p>Capital Cost : 6,34,000/- O & M Cost : 1,86,000/- p.a</p> <p>Number and capacity of the DG sets to be used: 1 No. 320 KVA. Stack Height: For 320 KVA: 4.5 Mtr. (G.L.)</p> <p>HT line passing through the plot if any: NA</p>			

35 Environmental Management plan Budgetary Allocation:
During Construction Phase:

Sr. No.	Particulars	Cost
	Erosion control: Dust suppression measures & barricading	2,50,000/-
	Site Safety	9,00,000/-
	Site Sanitation	2,50,000/-
	Disinfection & health check up	2,75,000/-
	Environmental Monitoring	1,00,000/-
	Total	17,75,000/-

During Operation Phase:

Sr. No.	Details	Capital Cost	Maintenance Cost
1	Sewage Treatment Plant	49,50,000.00	8,33,800.00
2	Rain Water Harvesting	13,33,000	1,65,000
3	Storm Water Networking	10,60,000	76,000
4	Solid Waste Management	12,00,000	3,00,000
5	Green Belt Development	8,22,000	1,92,000
6	Energy Use (Solar water heating + Conventional)	6,34,000	1,86,000
7	Swimming Pool	22,00,000	2,00,000
8	Environmental Monitoring	-	1,00,000

	9	Safety training & awareness	6,00,000	-																				
	Total		1,27,99,000	20,52,800																				
<p>Quantum and Generation of Corpus fund and Commitment: Project proponent have already generated corpus fund from existing individual flat owners of Rs.1,22,65,000 & will collect 97,92,000 from expansion phase flat owners for O & M during operation phase till handing over of premises to society.</p> <p>Responsibility for further O & M: Corpus fund shall be handed over to the society. While handing over Environmental Management Facilities M.O.U. shall be made with society to accept responsibility of further O & M.</p>																								
36	<p>Traffic Management: Nos. of the junction to the main road & design of confluence: Plot Area: Parking details:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Type</th> <th>Applicable No. of Parking as per DCR</th> <th>Provided Parking</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2 Wheeler</td> <td>376</td> <td>376</td> </tr> <tr> <td>2</td> <td>4 Wheelers</td> <td>150</td> <td>150</td> </tr> <tr> <td>3</td> <td>Cycles</td> <td>376</td> <td>376</td> </tr> <tr> <td>4</td> <td>Public Transport</td> <td>--</td> <td>--</td> </tr> </tbody> </table> <p>Total area provided for parking: 6,154.40 m² No. of Car parking provided: 150 Nos. Type of parking: (Open/Stilt/Basement): Stilt Parking Area per car including driveway provided for car parking: 25 m² for Open & 30 m² for Covered Width of all Internal roads (m): 6 m.</p>				Sr. No.	Type	Applicable No. of Parking as per DCR	Provided Parking	1	2 Wheeler	376	376	2	4 Wheelers	150	150	3	Cycles	376	376	4	Public Transport	--	--
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1	2 Wheeler	376	376																					
2	4 Wheelers	150	150																					
3	Cycles	376	376																					
4	Public Transport	--	--																					
37	CRZ/RRZ clearance obtain, if any	Not Applicable																						
38	Distance from Protected Areas /Critically Polluted areas /Eco-sensitive areas /inter-State boundaries	Not Applicable																						

3. The proposal has been considered by SEIAA in its 88th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

- (i) This environmental clearance is issued subject to utilization of excess treated water.
- (ii) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme

Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

- (iii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.
- (iv) Occupation certificate shall be issued to the project only after ensuring availability of drinking water and connectivity of the sewer line to the project site.
- (v) 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.
- (vi) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (viii) "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.
- (ix) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) 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.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.

- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (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) 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.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) 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.
- (xii) 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.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xv) 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.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) 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.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.
- (xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxii) 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.
- (xxxiii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxiv) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxv) 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.
- (xxxvi) 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.
- (xxxvii) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

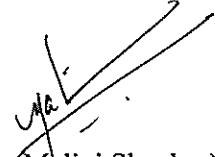
General Conditions for Post- construction/operation phase-

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures

shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.

- (viii) 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://ec.maharashtra.gov.in>.
 - (ix) 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.
 - (x) 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.
 - (xi) 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.
 - (xii) 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.
 - (xiii) 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.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
 6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
 7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this environmental 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.


(Malini Shankar)
Member Secretary, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri. Jagdish Joshi, Chairman, IAS (Retd.). SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.
3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
6. Managing Director, MSEDCL, MG Road, Fort, Mumbai
7. Collector, Pune.
8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
9. Regional Office, MPCB, Pune.
10. Select file (TC-3)

(EC uploaded on 25/01/2016)

