

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2013/CR-262/TC-2
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Date: 23rd August, 2016

To,
M/s. Sharada Shrikalp.
Office: 2, 66/3, Happy Home CHS,
Law College Road, Erandawane,
Pune- 411 004

Subject: Environment Clearance for proposed Construction Project "Aakashparv" at S.No. 15/2/2 A, Bavdhan, Near Chandani chowk, Dist.Pune by M/s. Sharada Shrikalp

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 37th 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 97th 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	Akash parv
2.	Project Proponent	Sharada Shrikalp Promoters & Builders
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	Expansion of Construction Project
6.	Location of the Project	Survey No. 15/2/2A, Bavdhan, Near Chandani Chawk, Pune
7.	Whether in Corporation /Municipal/other area	Within Pune municipal Corporation
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)	IOA obtained – CC/1890/15, 18/9/2015
10	Note on the initiated work (If applicable)	<ul style="list-style-type: none"> • Total constructed work (FSI+ Non FSI): 11773.74 Sq.m • Date and area details in the necessary approvals issued by the competent authority:
11	LOI /NOCfrom MHADA /Other approvals (If applicable)	NA
12	Total Plot Area (sq. m.) Deductions Net Plot area	14,100.00 Sq. m 3,161.36 Sq. m. 10,938.64 Sq. m
13	Permissible FSI (including TDRetc.)	1
14	Proposed Built-upArea (FSI &Non-FSI)	<p>FSI Area (sq. m.):</p> <ul style="list-style-type: none"> • Existing : 85.92 sq.m • Proposed (sq. m.) : 13,926 sq.m <p>Non FSI Area (sq. m.):</p> <ul style="list-style-type: none"> • Existing : NA • Proposed (sq. m.) : 30,444.37 sq.m • Total BUA area : 39,981.48 sq.m
15	Ground-coverage Percentage (%) (Note:Percentage of plot not open to sky)	3384.40 (24 %)
16	Estimated Cost of theProject	120 Cr
17	No. of building & its configuration(s)	<ol style="list-style-type: none"> 1. Residential: 3 Buildings : A (S + 2P + 19) , B(S + 2P + 18), C(S + 2P + 19) with 2, 3 & 4 BHK Apartments and 6 penthouses 2. ClubHouse: 1 No.
18	Number of tenants and shops	114 Tenements
19	Number of expected residents /users	Residential Users: 570
20	Tenant density per hector	250/ha as per DCR
21	Height of the building(s)	A-63.15, B-63.15, C-63.15 m
22	Right of way (Width of the road from the nearest fire stationto the proposed building(s))	36 m Road

23	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
24	Existing structure (s)	NA
25	Details of the demolition with disposal (If applicable)	NA
26	Total Water Requirement	<p>Residential:</p> <p>Dry season:</p> <p>Source: Pune Municipal Corporation</p> <p>Fresh water: 58 KL</p> <p>Recycled water (Flushing): 26 KL</p> <p>Recycled water (Gardening): 9 KL</p> <p>HVAC Makeup: NA</p> <p>Total Water Requirement: 84 KL</p> <p>Excess treated water: 43 KL</p> <p>Swimming Pool: 142 KL</p> <p>Fire fighting (Cum): 300 KL</p> <p>Wet Season:</p> <p>Fresh water: 58 KL</p> <p>Recycled water (Flushing): 26 KL</p> <p>Recycled water (Gardening): NA</p> <p>HVAC Makeup: NA</p> <p>Total Water Requirement: 84 KL</p> <p>Excess treated water: 52 KL</p> <p>Swimming Pool: 142 KL</p> <p>Fire fighting (Cum): 300 KL</p> <p>Commercial:</p> <p>Consider in Residential</p> <p>Dry season:</p> <p>Source:</p> <p>Freshwater: NA</p> <p>Recycled water (Flushing): NA</p> <p>Recycled water (Gardening): NA</p> <p>HVAC Makeup: NA</p> <p>Total Water Requirement: NA</p> <p>Excess treated water: NA</p> <p>Swimming Pool: NA</p> <p>Fire fighting (Cum): NA</p> <p>Wet Season:</p> <p>Freshwater: NA</p>

		Recycled water (Flushing): NA Recycled water (Gardening): NA HVAC Makeup: NA Total Water Requirement: NA Excess treated water: NA Swimming Pool: NA Fire fighting (Cum): NA																																				
27	Details about Swimming Pool:	<p> Dimension of Swimming Pool: Main Pool Size : 13.55 M x 6 M Baby Pool size : 13.76 M x 4.5 M Total water Requirement in KLD: 142 Water requirement for make up in KLD: 6 </p> <p> Details of Plant& Machinery used for treatment of Swimming pool water: Disinfection by: 1. Chlorine Daily basis 2. Alum Once a fortnight 3. Soda Ash/Acid Once in a while to correct the pH if required Details of quality to be achieved for swimming pool water and parameters to be monitored: </p> <table border="1" data-bbox="710 1153 1412 1937"> <thead> <tr> <th>Sr. No.</th> <th>Characteristics</th> <th>Values</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH Value</td> <td>7.5 to 8.5</td> </tr> <tr> <td>2</td> <td>Total alkalinity (as CaCO₃), mg/l</td> <td>50 to 100</td> </tr> <tr> <td>3</td> <td>Aluminium (As Al), mg/l</td> <td>0.1</td> </tr> <tr> <td>4</td> <td>Total residual chlorine, mg/l</td> <td></td> </tr> <tr> <td>5</td> <td>a) Inlet max</td> <td>0.5</td> </tr> <tr> <td>6</td> <td>b) Outlet min</td> <td>0.2</td> </tr> <tr> <td>7</td> <td>Total dissolved solids, mg/l</td> <td>1500</td> </tr> <tr> <td>8</td> <td>Chlorides (as Cl), mg/l</td> <td>500</td> </tr> <tr> <td>9</td> <td>Colour, Hazen Units</td> <td>10</td> </tr> <tr> <td>10</td> <td>Turbidity, NTU</td> <td>10</td> </tr> <tr> <td>11</td> <td>Coli forms (MPN)</td> <td><10 per 100 ml</td> </tr> </tbody> </table>	Sr. No.	Characteristics	Values	1	pH Value	7.5 to 8.5	2	Total alkalinity (as CaCO ₃), mg/l	50 to 100	3	Aluminium (As Al), mg/l	0.1	4	Total residual chlorine, mg/l		5	a) Inlet max	0.5	6	b) Outlet min	0.2	7	Total dissolved solids, mg/l	1500	8	Chlorides (as Cl), mg/l	500	9	Colour, Hazen Units	10	10	Turbidity, NTU	10	11	Coli forms (MPN)	<10 per 100 ml
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28	Rain Water Harvesting (RWH)	<p>Level of the Ground water table: 6 m Size and no of RWH tank (s) and Quantity: NA Capacity of RWH tanks: NA Location of the RWH tank (s): Enclosure I No of recharge pits: 6 No.</p> <p>Commercial: No.of RWH Tanks: NA Capacity of RWH tanks: NA Location of the RWH tank(s): NA No of recharge pits: NA</p> <p>Budgetary allocation (Capital cost and O & M cost): Capital cost: 12,00,000/- O&M cost: 1,25,000/-</p>
29	UGT tanks	<p>Residential: Domestic UG tank Capacity: 55 KL (2 Nos.) Flushing UG tank Capacity: 55 KL Fire UG tank Capacity: 300 KL</p> <p>Commercial: Consider in Residential Domestic UG tank Capacity: NA Flushing UG tank Capacity: NA Fire UG tank Capacity: NA</p>
30	Storm water drainage	<ul style="list-style-type: none"> • Natural water drainage pattern: As per contour • quantity of storm water : 5485.55 CUM/year • Size of SWD: 300 to 450 mm channel
31	Sewage and Waste water	<p>Residential: Sewage generation (CMD): 75 Capacity of STP (CMD): 100 STP technology: MBBR</p> <p>Commercial: Sewage generation (CMD): NA Capacity of STP (CMD): NA STP technology: NA Location of STP: Enclosure I</p> <p>DG sets (during emergency) DG set back up to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc. Capacity: 380 KVA X 1 No.</p>

		Budgetary allocation (Capital cost and O & M cost): Capital Cost: 36,00,000/- O & M Cost: 6,50,000 /- p. a.																						
32	Solid waste Management	<p>Waste generation in the pre Construction and Construction phase: Wastegeneration: Quantityofthetop soilto be preserved: 500 CUM Disposaloftheconstructionwaydebris: Land filling on the same site</p> <p>Wastegenerationinthe operationphase Residential&commercial: Biodegradablewaste: 165 Non-Biodegradablewaste: 104 E-waste: NA Hazardous waste: NA Biomedicalwaste(Kg/month)(If applicable): NA STP sludge: 17</p> <p>ModeofDisposalofwaste: Drywaste: Through Authorized vendors Wetwaste: OWC E-waste: NA Hazardous waste: NA Biomedical waste (Kg/month) (If applicable): NA STP sludge: Manure</p> <p>Area requirement: 1. Location(s): Plan Enclosed. 2. Total area provided for the storage & Treatment of the solid waste: 12 Sq. m. 3.Budgetary allocation (capital Cost & O & M cost): Capital Cost: 8,85,000/- O&M cost : 50,000/-p. a</p>																						
33	<p><i>GreenBelt Development</i> TotalRGarea: 1506.97 sq.m <input type="checkbox"/>Number & list of trees species to be planted in the ground RG: 278 trees List of Proposed Plantation for the scheme:</p> <table border="1" data-bbox="272 1758 1406 1982"> <thead> <tr> <th colspan="5">List of Trees to be planted</th> </tr> <tr> <th>Sr. No.</th> <th>Botanical Name</th> <th>Common Name</th> <th>Quantity</th> <th>Characteristics & Ecological Importance</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td><i>Mangifera Indica L</i></td> <td>Mango</td> <td>14</td> <td>Fruit bearing tree</td> </tr> <tr> <td>2.</td> <td><i>Manikara zapota</i></td> <td>Chikoo</td> <td>21</td> <td>Fruit bearing tree</td> </tr> </tbody> </table>				List of Trees to be planted					Sr. No.	Botanical Name	Common Name	Quantity	Characteristics & Ecological Importance	1.	<i>Mangifera Indica L</i>	Mango	14	Fruit bearing tree	2.	<i>Manikara zapota</i>	Chikoo	21	Fruit bearing tree
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3.	<i>Michelia champaca</i>	Champa	23	Bird attracting
4.	<i>Mimusopes elengii</i>	Bakul	28	Bird attracting
5.	<i>Butea monosperma</i>	Flame Tree	28	Bird attracting, Medicinal, Drought tolerant
6.	<i>Cassia fistula</i>	Bahava	21	Medicinal, Bird attracting, Soil erosion control
7.	<i>Cassia grandis</i>	Pink Shower	18	Medicinal, Bird attracting
8.	<i>Ficus benjamina</i>	Nandrukh	28	Medicinal, Drought tolerant, Bee attracting plants, Host plant for butterflies.
9.	<i>Neomarkia cadamba</i>	Kadamb	21	Medicinal, Drought tolerant
10.	<i>Roystonea regia</i>	Royal Palm	24	Bird attracting
11.	<i>Saraca indica</i>	Sita Ashok	28	Medicinal, Drought tolerant
12.	<i>Syzygium cumini</i>	Jambhul	24	Fruit bearing tree
	Total		278	-

Number & list of shrubs & bushes species planted in the podium G: RG area (open space) on ground 1506.97 sq. m.

RG area on podium NA.

RG area on terrace NA

Number & list trees species to be planted around the border of nallah/steam/pond (If any):

Neem trees plantation considered above

No. of Existing Trees: Nil

Number, Size, Age and Species of trees to be cut, trees to be transplanted:

NOC for the tree cutting/transplantation/Compensatory plantation, if any :NA

Budgetary allocation (capital Cost & O & M Cost):

Capital Cost: 10,00,000/-

&M: 2,00,000/- p.a.

34 Energy

Power Supply:

Total power consumption for residential buildings

Source of Supply: MSEDCL.

Total Connected Load : 1493.3 KW

Total Demanded load: 1021.04 KW

Transformers: 630 KVA X 3 No.

DG Sets: 380 KVA X 1 No..

Total DG power consumption for club house and commercial buildings : Considered as above

Energy saving measures

Maximum use of daylight in tenements area by providing appropriate window sizing
 Use of CFL lamps in all public/ common areas.
 Optimum building orientation
 Use of energy efficient devices
 Daylight cum occupancy sensors in parking area lighting
 Timer control external lighting
 Solar powered water heating for all tenements

The following Energy Conservation Methods are proposed in the project: Solar Water System

Detail calculations:

Total Energy Saving : 326 KW /Day & 17 % of Saving

Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form):

Compliance with Energy Conservation Building Code (ECBC) 2007

Section No.	Requirement	Compliance
7.2	Lighting controls occupancy/time switch	Parking area lighting will be controlled through switch with alternate switching
7.2.1.4	Exterior lighting to be controlled by photo sensor or time switch	External lighting will be controlled through time
7.3	Interior lighting power to be within specified limits	All light in common open area will be ceiling mounted. It illuminates the required area only.
7.4	Exterior lighting power to be within specified limits	All lights will be with bracket or arm, so no extra light will be cross the boundary limit.
8.2.1.1	Maximum allowable power loss from transformer	Shall be used energy efficient transformers as per ECBC Norms.
8.2.2	Energy efficient motors	For the common area all motors will be energy efficient as per ECBC.
8.2.3	Power factor be maintained between 0.95 and unity	we will use capacitor bank for common areas load to maintain power factor.

	8.2.5	Power distribution system losses to be maintained less than 1%	We will consider low watt loss type MCB in all distribution system.
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35 Environmental Management plan Budgetary Allocation:

Sr. No.	Particular	Capital cost (INR)	O & M Cost (INR/annum)
1	Sewage treatment Plant	36,00,000/-	6,50,000/-
2	Rain Water Harvesting	12,00,000/-	1,25,000/-
3	Storm Water Network	4,50,000/-	40,000/-
4	Solid Waste Management	8,85,000/-	50,000/-
5	Landscape Development	10,00,000/-	2,00,000/-
6	Swimming Pool	25,00,000/-	20,000/-
7	Solar Water heater	40,00,000/-	25,000/-
8	Other Energy Conservation	1,75,000/-	20,000/-
9	Environmental Monitoring	1,00,000/-	1,60,000/-
10	Safety training & awareness	50,000/-	--
11	Water Tankers	--	6,57,000/-
Total		1,39,60,000/-	19,47,000/-

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Traffic Management
Parking Statement

Sr. No.	Type of parking	Parking ratio		No of parking	
		Required	Provided	Required	Provided
Tenement 40-80 sq.m. (4nos)					
1	Car	1: 2 flats	1: 2 flats	2	2
2	Scooter	4 : 2 flats	4 : 2 flats	8	8
3	Cycle	4 : 2 flats	4 : 2 flats	8	8
Tenement 80 - 150 sq.m. (104 nos)					
1	Car	1: 1 flats	1: 1 flats	104	104
2	Scooter	2 : 1 flats	2 : 1 flats	208	208
3	Cycle	2 : 1 flats	2 : 1 flats	208	208
Tenement above 150 sq.m. (6 nos)					

1	Car	3: 1 flats	3: 1 flats	18	18
2	Scooter	2 : 1 flats	2 : 1 flats	12	12
3	Cycle	1 : 1 flats	1 : 1 flats	6	6
Commercial for 100 sq.m. (190.58 sq.m)					
1	Car	4 : 100sqm	4 : 100sqm	8	8
2	Scooter	12 : 100sqm	12 : 100sqm	24	24
3	Cycle	4 : 100sqm	4 : 100sqm	8	8
Visitor parking					
1	Car	--	--	7	7
2	Scooter	--	--	12	12
3	Cycle	--	--	12	12
Total Parking					
1	Car	--	--	139	139
2	Scooter	--	--	264	264
3	Cycle	--	--	242	242

Parking Area Provision	Area As per MoEF	No.	Area Required	A
Covered Parking Area including driveway (stilt level)	30.00	139	4170	4
Two (2) Wheeler	3.00	264	792	7
Bicycles	1.40	242	339	3
Total provided Parking area (covered)			5301	5

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
Check list for the other necessary approvals		
	Status of the approval	Name of the competent authority
		Date of the issued letter

39.	CFO NOC for the above said building structure(s)	Provisional Obtained Applied for renewal	Chief Fire Officer	29.7.2015
40.	HRC NOC for the above said building structure(s) (If applicable)	NA	-	-
41.	NOC for the above said building structure(s) from The Aviation authority (If applicable)	NA	-	-
42.	Consent for the water for the above said detail(s)	Obtained	PMC	5/6/2013
43.	Consent for the drainage for the above said detail(s)	Obtained	PMC	2/12/2013
44.	Consent for the electric supply for the proposed demand	Connection available in existing development	MSEDCL	3/11/2013
45.	Pre certification for Green Building from Indian Green Building Council and other recognized institutes (If applicable)	NA	-	-
46.	Court Order (If applicable)	NA	-	-
47.	Other approvals (If any)	NA	-	-

3. The proposal has been considered by SEIAA in its 97th 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 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.
- (ii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- (iii) Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.

- (iv) 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.
- (v) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (vi) 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.
- (vii) "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.
- (viii) 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 firefighting equipment's 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 backup 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.
- (xxxi) 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.
- (xxxii) 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.

(xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

(xxxiv) 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.

(xxxv) 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.

(xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

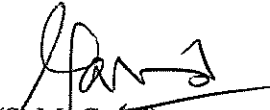
General Conditions for Post- construction/operation phase-

- (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.


(S. M. Gavai)
Member Secretary, SEIAA

Copy to:

1. Shri. Jagdish Joshi, Chairman, IAS (Retd.). SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.
2. Additional Secretary, MOEF, 'MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. 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).
4. IA- Division, Monitoring Cell, MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
6. Collector, Pune.
7. Commissioner, Pune Municipal Corporation, Pune (PMC)
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)

