

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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 SEAC----/CR 192-/TC- 3
 Environment department,
 Room No. 217, 2nd floor,
 Mantralaya Annexe,
 Mumbai- 400 032.
 Date: 2nd February, 2017.

To,
 M/s. Laukik Construction Company.
 "PELICAN" at Ambadvet.
 Tal. Mulshi, Distt. Pune.

Subject: Environment clearance for proposed project "PELICAN" at
 S.No.403/1,403/3,403/6,403/7/1,403/7/2,406/2,428/2, 429, Village Ambadvet, Tal.
 Mulshi, Distt. Pune by M/s.Laukik Construction Company.

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 46th 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 107th meeting.

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

The brief information of the project given by PP is as follows: -

Sr. No.	Particular	Commitment On
1.	Name of Project	"PELICAN"
	Name, Contact number & Address of Proponent	M/s Laukik Construction Company Mr.Amol Ramdas Konde Flat No. A-10 . Mark Park Appt.S.no.36/3 . Pandurang Colony, Erandwana, Pune 411 038 Phone no. 020 -25458972 Mob no. 9763837777 / 9823071508 Mail id – laukikconstructionco@gmail.com
2.	Name, contact Number & address of Consultant	M/s. Saitech Research & Development Organization Dr. Prashant Banne/Mr. Sundar Jagadale Address ; Plot No. 16B, Banai- MahipatiNivas, Aptenagar, Near new vashinaka, Kolhapur – 416 001 Tel No. - +91-20-65108506 Mail id : enviconmail@gmail.com enviconmail@rediffmail.com

3.	Accreditation of consultant (NABET Accreditation)	Sr. No. 129 in List 'A' of O.M. of MoEF, Govt. New Delhi Dated 05/12/2014																						
4.	Type of project: Housing project / Industrial Estate / SRA scheme / MHADA / Township or others	Residential																						
5.	Location of the Project	S.No.403/1, 403/3, 403/6. 403/7/1, 403/7/2, 406/2, 428/2, 429 Village Ambadvet, Tal- Mulshi, Dist- Pune.																						
6.	Whether in Corporation /Municipal/other area	PMRDA																						
7.	Applicability of the DCR	Applicable- PMRDA																						
8.	IOD/IOA/Concession document Or any other form of document as applicable (Clarifying its conformity with local planning rules & provision)	Not yet received																						
9.	Note on the initiated work (If applicable)	Not Applicable																						
10.	LOI / NOC from MHADA / Other approvals(If applicable)	Not Applicable																						
11.	Total plot area (Sq.m.) Deductions Net plot area	Plot Area - 18855.00 m ² Deductions - 3125.82 m ² Net Plot Area - 15729.18 m ²																						
12.	Permissible FSI (including TDR etc.)	22944.58 m ²																						
13.	Proposed Built -UP Area (FSI & Non FSI)	40269.03 m ² = (FSI 22664.36 m ² +NON FSI 17604.67 m ²)																						
14.	Ground - coverage percentage (%) (Note : percentage of plot not open to sky)	2865.39m ² 15.19 % Total Plot Area (18855.00 m ²) 18.21 % Net Plot Area (15729.18 m ²)																						
15.	Estimated cost of the project	Rs.70.00 Cr.																						
16.	No. of building & its configuration (s)	Residential Buildings 3 nos. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. No</th> <th>Building</th> <th>Nos. of Floors</th> <th>Proposed Tenements</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>P + 8</td> <td>56 (1BHK), 32(2BHK)</td> </tr> <tr> <td>2</td> <td>B</td> <td>P + 13</td> <td>156(1BHK),104(2BHK)</td> </tr> <tr> <td>3</td> <td>C</td> <td>P + 13</td> <td>78(1BHK),52(2BHK)</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>478</td> </tr> </tbody> </table>			Sr. No	Building	Nos. of Floors	Proposed Tenements	1	A	P + 8	56 (1BHK), 32(2BHK)	2	B	P + 13	156(1BHK),104(2BHK)	3	C	P + 13	78(1BHK),52(2BHK)	Total			478
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Total			478																					
17.	Number of tenants and shops	Total Tenements - 478 nos.																						
18.	Number of expected	Residential Users: 2390																						

	residents / users																																														
19.	Tenant density per hector	254																																													
20.	Height of the building(s)	Max. – 41.77 M																																													
21.	Right of way (width of the road from the nearest fire station to the proposed building(s))	24m																																													
22.	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m																																													
23.	Existing structures(s)	Not Applicable																																													
24.	Details of the demolition with disposal (If applicable)	Not Applicable																																													
25.	Total Water Requirement	<p><u>Residential:</u></p> <p>Dry season :</p> <ul style="list-style-type: none"> • Source : Ambadvet Gram panchayat <table border="1"> <thead> <tr> <th>Sr. No</th> <th colspan="2">During Dry Season</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Fresh Water</td> <td>333.79 m³/day (One Time)</td> </tr> <tr> <td>2</td> <td>Recycled Water (Flushing)</td> <td>107.55 m³/day</td> </tr> <tr> <td>3</td> <td>Recycled Water (Gardening)</td> <td>11.14 m³/day</td> </tr> <tr> <td>4</td> <td>HVAC Makeup</td> <td>NA</td> </tr> <tr> <td>5</td> <td>Total Fresh water Requirement</td> <td>215.10m³/day</td> </tr> <tr> <td>6</td> <td>Excess treated water</td> <td>171.70m³/day</td> </tr> <tr> <td>7</td> <td>Fire fighting (Cum)</td> <td>300 m³</td> </tr> </tbody> </table> <p>Wet Season</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th colspan="2">During Wet Season</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Fresh Water</td> <td>322.65 m³/day (One Time)</td> </tr> <tr> <td>2</td> <td>Recycled Water (Flushing)</td> <td>107.55 m³/day</td> </tr> <tr> <td>3</td> <td>Recycled Water (Gardening)</td> <td>NA</td> </tr> <tr> <td>4</td> <td>HVAC Makeup</td> <td>NA</td> </tr> <tr> <td>5</td> <td>Total Fresh water Requirement</td> <td>215.10m³/day</td> </tr> <tr> <td>6</td> <td>Excess treated</td> <td>182.54 m³/day</td> </tr> </tbody> </table>	Sr. No	During Dry Season		1	Fresh Water	333.79 m ³ /day (One Time)	2	Recycled Water (Flushing)	107.55 m ³ /day	3	Recycled Water (Gardening)	11.14 m ³ /day	4	HVAC Makeup	NA	5	Total Fresh water Requirement	215.10m ³ /day	6	Excess treated water	171.70m ³ /day	7	Fire fighting (Cum)	300 m ³	Sr. No	During Wet Season		1	Fresh Water	322.65 m ³ /day (One Time)	2	Recycled Water (Flushing)	107.55 m ³ /day	3	Recycled Water (Gardening)	NA	4	HVAC Makeup	NA	5	Total Fresh water Requirement	215.10m ³ /day	6	Excess treated	182.54 m ³ /day
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27.	Details about Swimming Pool:	<p>Dimension of Swimming Pool: NA Dimension of baby Pool: NA Total water Requirement in KLD: NA Water requirement in KLD: NA Details of Plant & Machinery used for treatment of Swimming pool water: NA Details of quality to be achieved for swimming pool water and parameters to be monitored: NA</p> <ul style="list-style-type: none"> • Capital cost : • O & M Cost : 						
28.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: Summer Season – 31.67 m. to 36.67 m. BGL. <i>(i.e. Around 34.17 m. BGL Average)</i> Rainy Season – 6.67 m. to 18.33 m. BGL. <i>(i.e. Around 12.50 m. BGL Average)</i> Winter Season – 19.17 m. to 27.50 m. BGL. <i>(i.e. Around 23.34 m. BGL Average)</i> • 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 pits: 6Nos. • Size: 2.0 m. X 2.0 m. X 2.0 m. Depth with de-siltation pit of 0.9 X 0.6 X 1.0 m. Deep and 55 m. Deep 6” Dia. Bore Wells. & 542.36 Sq. M X 1 M. Pond by Nala Bunding. • Harvesting Capacity: > 100 % 5,90,000.00 Lit/Day i.e. 590.00 m³/ Day. <p>Commercial:</p> <ul style="list-style-type: none"> • 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): <p>Capital cost: Rs 10.00 lakh. • O & M Cost: 0.50 lakh / anum.</p>						
29.	UGT tanks	<p><u>Residential & Commercial:</u> Domestic UG tank Capacity :346.65 m³ Flushing UG tank Capacity :119 m³ Fire UG tank Capacity : 300 m³</p>						
30.	Storm water drainage	<ul style="list-style-type: none"> • Natural water drainage pattern: • Quantity of storm water:17,893.7827107 m3 per year 						

		<p>i. e. 210.515090714118 m3 per day.</p> <ul style="list-style-type: none"> • Size of SWD: 600 mm
31.	Sewage and Waste water	<p><u>Residential:</u></p> <ul style="list-style-type: none"> • Sewage generation (CMD):290.39 m³/day • Capacity of STP (CMD):300m³/day • STP Technology:MBBR <p><u>Commercial: NA</u></p> <ul style="list-style-type: none"> • Sewage generation (CMD): NA • Capacity of STP(CMD): NA • STP technology:NA • Location of STP: <p>Budgetary allocation (Capital cost and O & M cost):</p> <ul style="list-style-type: none"> • Capital Cost: Rs. 63.00 Lakh • O & M Cost: Rs. 9.25 Lakh / Year
32.	Solid Waste Management	<p>Waste generation in the pre Construction and Construction phase:</p> <ul style="list-style-type: none"> • Waste generation:12.5 kg/day • Quantity of the top soil to be preserved:Use For Landscaping • Disposal of the construction waste debris:Use for Leveling <p>Waste generation in the operation phase Residential & commercial (Existing and proposed): 1195 kg/day</p> <ul style="list-style-type: none"> • Biodegradable waste: 717 kg/day • Non-Biodegradable waste:478 kg/day • E-waste:Not Applicable • Hazardous waste:Spent oil – NA • Biomedical waste(Kg/month) (If applicable):Not Applicable • STP sludge: 26.13 kg/day (100% Dry) <p>Mode of Disposal of waste:</p> <ul style="list-style-type: none"> • Dry waste: SWACH • Wet waste:Organic Waste Convertor • E-waste:Not Applicable • Hazardous waste:Authorized Re-processor • Biomedical waste(kg/month):Not Applicable • STP sludge:Used as Manure after treatment in OWC <p>Area requirement:</p> <ol style="list-style-type: none"> 1. Location(s): 2. Total area provided for the storage & Treatment of the solid waste:75 m² 3. Budgetary allocation (capital Cost & O & M cost): <ul style="list-style-type: none"> • Capital Cost: Rs.15.50 Lakh • O & M cost: Rs. 4.30 Lakh / Year

33.	<p><i>Green Belt Development</i> Total RG area: 1885.00 m² i.e. about 11.98 % of net plot area (15729.18 m²)</p> <ol style="list-style-type: none"> 1. RG area other than green belt: NA 2. RG area under green belt <ul style="list-style-type: none"> • RG on the Ground: 1885.00 m². • RG on the Podium: NA <p>List of Trees:</p>																																																																																																														
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- Number & list of trees species to be planted in the ground RG: 217 nos.
- Number & list of shrubs & bushes species planted in the podium / RG: NA
- Number & list trees species to be planted around the border of nallah / stream/pond(If any): NA
- 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: Rs. 12.16 Lakh
 O & M: Rs. 1.00 Lakh/year

34. Energy

PowerSupply:

- Connected Load – 1732 KW (1924 KVA)
- Maximum Demand = {Connected load * U.F. (0.8)} / P.F. (0.9)
= 1540 KVA
- No. Of Transformers – 3 Nos.
(22KV / 630 KVA X 3 Nos.)
- Source – MSEDCL

Energy saving by non-conventional method:

- Energy Saving measures - Sheet Enclosed.
- Details Calculation & % of saving – Sheet Enclosed.
- Compliance of the ECBC guideline(YES/NO) (If yes then submit compliance in tabular - Yes & Sheet Enclosed.

Sr. No	Section No	Requirement	Remark.
1	4.3.1	Roof Assembly U Factor to be max 0.261 w/m ² 0c	Complies By Architect.
2	4.3.2	Opaque Walls Max U factor to be 0.440w/m ² 0c	Complies By Architect.
3	4.3.3	Vertical fenestration Max U factor to be 3.30w/m ² 0c	Complies By Architect.
4	4.3.3	Vertical fenestration SHGC to be maximum 0.25	Complies By Architect.
5	4.3.1	Minimum Visible transmission to be 0.20 for WWR	Complies By Architect.

18	8.2 .2	Energy efficient motors	N.A.
19	8.2 .3	Power factor be maintained between 0.95 and unity	Complies
20	8.2 .4	Check metering	Complies
21	8.2 .5	Power distribution system losses to be maintained less than 1%	Complies

- Budgetary Allocation (Capital Cost & O & M Cost)
Total Capital Cost: 61,00,000/-
Total O&M Cost : 1,49,000/-

1) Non - Conventional Energy (Solar Water Heating System)
Capital Cost – 47.80 Lacks
O & M Cost Per Annum = Rs. 95,600/-
O & M Cost Per Month = Rs. 7,967/-

2) Non - Conventional Energy (Solar Street Light)
Capital Cost – 13.20 Lacks
O & M Cost Per Annum = Rs. 53,400/-
O & M Cost Per Month = Rs. 4,450/-

Energy saving measures

The following Energy Conservation Methods are proposed in the project:

- Solar Water Heating Systems Will Be Done For Bathrooms.
- Solar lights will be provided for common amenities like Street lighting & Garden lighting.
- CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
- Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
- Water Level Controllers with Timers will be used for Water Pumps.
- To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5

		<p>Lamps & LED Lights.</p> <ul style="list-style-type: none"> • Energy Saving Achived - 562360 KWH / Year . • Overall Energy Saving is - 4.28 % / Day . <p>Number and Capacity of the DG sets to be Used :</p> <p>1) During Construction Phase – 1 No. 40 KVA – 1 No. With Single Contactor AMF Panel. With Sound Proof Enclosure.</p> <p>2) During Operation Phase – 1 No. DG. Set – 200 KVA – 1 No. With Single Contactor AMF Panel. With Sound Proof Enclosure.</p> <p>Total DG. power consumption for residential building common load (Lifts, Parking, Staircase, Terrace, etc.) & Common Amenity (Water Pumps, STP Pumps, OWC etc.)</p> <ul style="list-style-type: none"> • Type of fuel used – Diesel. • Stack Height : 200 KVA DG. Set – 6.83 Mtr. • Electricity Requirement From MSEDCL : 1732 KW (1924 KVA) <p>HT Line Passing Through the plot if any : No</p>																								
35.	Environmental Management Plant Budgetary Allocation:	<p>Construction Phase & Operation Phase (With break up):</p> <table border="1" data-bbox="751 1406 1410 1917"> <thead> <tr> <th></th> <th>Description</th> <th>Capital Cost (Rs.)</th> <th>O & M Cost Per Annum, (Rs.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>STP</td> <td>63.00 Lakh</td> <td>9.25 Lakh/year</td> </tr> <tr> <td>2</td> <td>RWH</td> <td>10.00 Lakh</td> <td>0.50 Lakh/year</td> </tr> <tr> <td>3</td> <td>MSW</td> <td>15.50 Lakh</td> <td>4.30 Lakh/year</td> </tr> <tr> <td>4</td> <td>Solar System</td> <td>61.00 Lakh</td> <td>1.49 Lakh/year</td> </tr> <tr> <td>5</td> <td>Landscaping</td> <td>12.16 Lakh</td> <td>1.00 Lakh/year</td> </tr> </tbody> </table>		Description	Capital Cost (Rs.)	O & M Cost Per Annum, (Rs.)	1	STP	63.00 Lakh	9.25 Lakh/year	2	RWH	10.00 Lakh	0.50 Lakh/year	3	MSW	15.50 Lakh	4.30 Lakh/year	4	Solar System	61.00 Lakh	1.49 Lakh/year	5	Landscaping	12.16 Lakh	1.00 Lakh/year
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		7	Post EC Monitoring	-	2.5 Lakh/year																				
		8	Dry Waste Management		2.87Lakh/year																				
			TOTAL	171.66 Lakh	23.91 Lakh/year																				
36.	<p>Traffic Management Parking Statement Management Plan. Plot Area: 18855.00 m²</p> <p>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 Wheelers</td> <td>599</td> <td>599</td> </tr> <tr> <td>2</td> <td>4 Wheelers</td> <td>142</td> <td>163</td> </tr> <tr> <td>3</td> <td>Cycle</td> <td>599</td> <td>599</td> </tr> <tr> <td>4</td> <td>Public Transport</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Total Area Provided for parking: 8034.26 m² • No. of Car Parking Provided: 163 Nos. • Type Of Parking: open & Covered • Area per Car including driveway provided for car parking: 49.28m <p>Width of all Internal road (m): 6 m</p>					Sr.No.	Type	Applicable no of Parking As per DCR	Provided Parking	1	2 Wheelers	599	599	2	4 Wheelers	142	163	3	Cycle	599	599	4	Public Transport	-	-
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1	2 Wheelers	599	599																						
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3	Cycle	599	599																						
4	Public Transport	-	-																						
37.	CRZ/RRZ clearance obtain, if any	No																							
38.	Distance from Protected Areas / Critically Polluted areas / Eco – sensitive areas / inter – State boundaries	NA																							
39.	Check list for the other necessary approvals																								
		Status of the approval	Name of the competent authority	Date of the issued letter																					
40.	CFO NOC for the above said building structure(s)	Applied	-	-																					
41.	HRC NOC for the above said building structure(s) (If applicable)	NA																							
42.	NOC for the above said building structure(s) from the Aviation authority (If applicable)	NA																							
43.	Consent for the water for the above said detail(s)	Water NOC Obtained	Ambadwet Grampanchayat	30.01.2015																					
44.	Consent for the drainage for the	Drainage NOC	Ambadwet	30.01.2015																					

	above said detail(s)	obtained	Grampanchayat	
45.	Consent for the electric supply for the proposed demand	Not yet received	-	-
46.	Precertification for Green Building Council and other recognized institute (If applicable)		NA	
47.	Court Order (If applicable)		NA	
48.	Other approvals (If any)		NA	

3. The proposal has been considered by SEIAA in its 107th 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 restricting Built up Area to 24979.06 Sq.m. which is approved by Competent Authority against proposed Built up Area of 40269.03 Sq.m.
- (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, 2016.
- (iv) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (v) 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.
- (vi) "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.
- (vii) 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.

- (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.
- (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://en.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 MoEF& CC, Regional Office, Nagpur.

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 Metropolitan Region Development Authority
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 10.2.2017)