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**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

SEAC-2016/CR 99/TC-1  
Environment department,  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Date: 9<sup>th</sup> December, 2016.

To,  
M/s. JP. Infra (Mumbai) Pvt. Ltd.  
4<sup>th</sup> Floor, Viraj Towers,  
Western Express Highway,  
Near WEH Metro Station,  
Andheri (E), Mumbai-400 093.

*EC SEIAA Item No. 77 Meeting No. 105*

Subject: Environmental clearance for expansion And Amendment In EC For SRA Scheme On Plot Bearing 610(Pt) i.e. New CTS No 610/A/1A/1B Of Malad East At General Arunkumar Vaidya Marg Malad East, Mumbai For Sanjay Gandhi Nagar SRA CHSL With Amalgamation Of SR Scheme For Durgamata SRA (Proposed) Situated On Adjacent Part Of CTS No 610/1A/1A Of Malad, East General Arunkumar Vaidya Marg Malad East, Mumbai by M/s. JP.Infra (Mumbai) Pvt. Ltd

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-II, Maharashtra in its 48<sup>th</sup> 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 105<sup>th</sup> meeting.

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

**Brief Information of the project submitted by you is as-**

Area in (Sq.mt.)	As per EC Received	Expansion and Amendment in EC	Remarks
Total plot area	11,904.00	16,171.37	Proposed to be increased by 4,267.37 Sq.mt. due to proposed amalgamation of adjoining Portion of Existing Slum Reserved for PG in DP plan
Deductions	200.00	4,467.37	Proposed to be increased by 4,267.37 Sq.mt. due to proposal to vacate the encumbered area reserved as PG in DP plan and develop the same as PG and handover the same to MCGM

Net plot area	11,704.00	11,704.00	No change
Permissible FSI	3	3	No change
Permissible Built up area as per FSI	35,712.00	48,514.11	Increase due to slum plot
Proposed Built up area as per FSI	34,687.24	43,152.01	Proposed to be increased by 8,464.77 Sq.mt. within the permissible Built up area
Proposed Built up area as per Non FSI area	46,137.68	67,126.91	Proposed to be increased by 20989.23 Sq.mt. due to increase in Insitu Built up area
Total Construction Built-up Area	80,824.92	1,10,278.93	Proposed to be increased by 29454.01 Sq.mt. due to increase in Insitu Built up area

Components	As per EC Received	Expansion and Amendment in EC	Remarks
Rehabilitation	Ground + 18 upper floors	Ground + 19 upper floors	Proposed to be increased by 1 floor
	Ground+ 21 upper floors	Ground+ 20 upper floors	Proposed to be decreased by 1 floor
	Ground+ 16 upper floors	Ground + 23 upper floors	Proposed to be increased by 7 floor
	Residential Flats: 162 Nos. PAP: 423 Nos. Balwadi, Welfare Centre and Society office: 06 Nos. each	Residential Flats: 585 Nos. Project Affected Persons (PAP) : 79 Nos. Sale Flats: 37 Nos. Balwadi and Welfare Centre : 07 Nos. each Society office: 06 Nos.	Conversion of earlier PAP into Rehab units Addition of new 79 PAP Proposed 37 nos. of Sale flats Amenities to be increased by 1No.
Sale	Basement + Ground + 3 Parking Floors + Stilt + 32 floors. Flats: 296 Nos.	Basement + Ground/Stilt + 3 Podia + Upper Stilt + 39 Upper Floors (including Fire Check Floor). Flats: 373 Nos.	Number of floors proposed to be increased by 7 nos. Proposed to be increased by 77 flats
Parking requirement (nos.)	313	576	Proposed to be increased by 263 nos. in line with the requirement as per DC regulations
Parking provision (nos.)	313	578	Proposed to be increased by 265 nos. in line with the requirement as per DC regulations
Parking area (Sq. mt.)	11984.52	14764.00	Proposed to be increased by 2779.48 Sq.mt. due to increase in parking requirement
Description	As per EC received	Expansion and Amendment in EC	Remarks

Occupancy (nos.)	4525	5505	Increased by 980 nos. due to increase in residential tenements
Water requirement (m3/day)	622	753	Increased by 131 due to increase in occupancy
Sewage Generation (m3/day)	521	635	Increased by 114 due to increase in water requirement
STP capacity (KL)	Rehabilitation	385	Building 1 & 2: 215 Building 3: 225
	Sale	200	250
Total Solid Waste (kg/day)		2012	2432
			Increased by 420 due to increase in occupancy

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

Sr. No.	Particular	
1	Name of Project	“SRA Scheme” at Malad (E), Mumbai
2	Name, contact number & address of Proponent	Name: Mr. Abhishek Khetan M/s. JP INFRA (MUMBAI) PVT.LTD. •Address: 4 <sup>th</sup> Floor, Viraj Tower, Western Express Highway, Near WEH Metro Station, Andheri (East), Mumbai – 400 093. • Tel. Nos.: 022-42415678 • Fax Nos.: 022- 42415679 E- mail: <a href="mailto:abhishek@jpinfra.com">abhishek@jpinfra.com</a>
3	Consultant	Environnemental Consultants : M/s. Ultra-Tech Environmental Consultancy & Laboratory (An ISO 9001-2008 Company, Accredited by NABET, Lab: Gazetted by MOEF, GoI) •Email ID: <a href="mailto:deepa@ultratech.in">deepa@ultratech.in</a> , <a href="mailto:shekhartamhane@ultratech.in">shekhartamhane@ultratech.in</a>
4	Accreditation of consultant (NABET Accreditation)	Accorded Accreditation under the QCI-NABET scheme for Accreditation of EIA Consultant Organizations (Rev.09, August 2011) Certificate No: NABET/EIA/1417/RA010
5	Type of project: Housing project / Industrial Estate / SRA scheme / MHADA / Township or others	Expansion and Amendment in EC Category 8 (a)
6	Location of the project	CTS No. 610 (Pt.) i.e. New CTS No. 610A/1A/1B and CTS No. 610/1A/1A General Arunkumar Vaidya Marg., Malad (E), District – Mumbai, Maharashtra.

Sr. No	Particular											
7	Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)										
8	Applicability of the DCR	33 (10)										
9	Note on the initiated work (If applicable)	<ul style="list-style-type: none"> <li>• Total constructed work (FSI+ Non FSI): 77,058.22 Sq. mt.</li> <li>• Date and area details in the necessary approvals issued by the competent authority (attach scan copies): <ul style="list-style-type: none"> <li>➤ Received Environmental Clearance dated 30.10.2011</li> <li>➤ Received Consent to Establish from Maharashtra Pollution Control Board</li> </ul> </li> <li>• Received IOD and CC from Slum Rehabilitation Authority (SRA).</li> </ul>										
10	LOI / NOC from MHADA/ Other approvals (If applicable)	Date and construction area details mentioned in the approved letter: Environmental Clearance dated 30.10.2011										
11	Total Plot Area (sq. m.) Deductions Net Plot area	16,171.37 Sq. mt. 4,467.37 Sq. mt. (PG Reservation – 4,267.37 Sq. mt.; Setback -200 Sq.mt.) 11,704.00 Sq. mt.										
12	Permissible FSI (including TDR etc.)	48,514.11 Sq. mt.										
13	Proposed Built-up Area (FSI & Non-FSI)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>FSI area (sq. m.)</td> <td>43,152.01</td> </tr> <tr> <td>Non FSI area (sq. m.)</td> <td>67,126.92</td> </tr> <tr> <td>Total BUA area (sq. m.)</td> <td>1,10,278.93</td> </tr> </tbody> </table>		Total	FSI area (sq. m.)	43,152.01	Non FSI area (sq. m.)	67,126.92	Total BUA area (sq. m.)	1,10,278.93		
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Total BUA area (sq. m.)	1,10,278.93											
14	Ground-coverage Percentage (%) <i>(Note: Percentage of plot not open to sky)</i>	4641.00 (40%)										
15	Estimated cost of the project	Rs. 100 Cr.										
16	No. of building & its configuration(s)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Building Number</th> <th>Configuration</th> </tr> </thead> <tbody> <tr> <td>Rehabilitation Building 1</td> <td>Ground + 19 Floors</td> </tr> <tr> <td>Rehabilitation Building 2</td> <td>Ground + 20 Floors</td> </tr> <tr> <td>Rehabilitation Building 3</td> <td>Ground + 23 Floors</td> </tr> <tr> <td>Sale Building 4</td> <td>Basement + Ground/Stilt + 3 Podia + Upper Stilt + 39 Upper Floors (including Fire Check Floor).</td> </tr> </tbody> </table>	Building Number	Configuration	Rehabilitation Building 1	Ground + 19 Floors	Rehabilitation Building 2	Ground + 20 Floors	Rehabilitation Building 3	Ground + 23 Floors	Sale Building 4	Basement + Ground/Stilt + 3 Podia + Upper Stilt + 39 Upper Floors (including Fire Check Floor).
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17	Number of tenants and shops	Rehab Buildings: Residential Units: 622 PAP: 79 Total: 701  Amenity Tenements: Balwadi: 07 Welfare Centre: 07										

Sr. No	Particular		
		Society office: 06 Sale Building: Sale Flats: 373	
18	Number of expected residents / users	Total Occupancy: 5505 Nos.	
19	Tenant density per hectare	918/hectare	
20	Height of the building(s)	Building	Height (Up to Terraces level)
		Rehabilitation Building 1	58.30 Mt.
		Rehabilitation Building 2	60.90 Mt.
		Rehabilitation Building 3	69.90 Mt.
		Sale Building 4	153.40 Mt.
21	Right of way (Width of the road from the nearest fire station to the proposed building(s))	45.70m wide Arun Kumar Vaidya DP road	
22	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m	
23	Existing structure(s)	Part completed construction of Rehabilitation and Sale Building. Existing slums on adjoining plots.	
24	Details of the demolition with disposal (If applicable)	Demolition debris generated from remaining slums shall be disposed to authorized landfill site as per NOC from M.C.G.M.	
25	Total Water Requirement	<p>Dry season:</p> <ul style="list-style-type: none"> <li>• Fresh water (CMD): 493 KLD <ul style="list-style-type: none"> <li>▪ For Domestic: From M.C.G.M.= 487 KLD</li> <li>▪ For Swimming pool: From tanker water of potable quality = 6 KLD</li> </ul> </li> <li>• Recycled water (CMD): 260 KLD (STP Treated sewage) <ul style="list-style-type: none"> <li>▪ Flushing = 246</li> <li>▪ Gardening = 14</li> </ul> </li> <li>• Total Water Requirement (CMD): 753 KLD</li> <li>• Swimming pool make up (Cum): As mentioned above</li> <li>• Fire-fighting (CMD): (One Time Requirement) <ul style="list-style-type: none"> <li>▪ Rehabilitation Buildings: 500 KL</li> <li>▪ Sale Building: 350 KL</li> </ul> </li> </ul> <p>Wet Season:</p> <ul style="list-style-type: none"> <li>• Fresh water (CMD): 493 KLD <ul style="list-style-type: none"> <li>▪ Domestic: 487 KLD (From M.C.G.M. = 460 KLD + From RWH tank = 27KLD)</li> </ul> </li> </ul>	

Sr. No	Particular	
		<ul style="list-style-type: none"> <li>▪ For Swimming pool: From tanker water of potable quality = 6 KLD</li> <li>• Recycled water (CMD): 246 KLD (For Flushing: STP Treated sewage)</li> <li>• Total Water Requirement (CMD): 739 KLD</li> <li>• Swimming pool make up (Cum): As mentioned above</li> <li>• Fire-fighting (CMD): (One Time Requirement) <ul style="list-style-type: none"> <li>▪ Rehabilitation Buildings: 500 KL</li> <li>Sale Building: 350 KL</li> </ul> </li> </ul>
26	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> <li>•Level of the Ground water table: 3.4m to 4.0m below ground level</li> <li>•Size and no of RWH tank(s) and Quantity: <ul style="list-style-type: none"> <li>Building 1 and 2: 1 tank of 57 KL</li> <li>Building 3: 1 tank of 48 KL</li> <li>Building 4: 1 tank of 74 KL</li> </ul> </li> <li>•Location of the RWH tank(s): <ul style="list-style-type: none"> <li>Rehabilitation: Underground</li> <li>Sale: Basement level</li> </ul> </li> <li>•Size, no of recharge pits and Quantity: Nil</li> <li>•Budgetary allocation (Capital cost and O&amp;M cost): <ul style="list-style-type: none"> <li>Capital cost: Rs. 27.50 Lacs</li> <li>O &amp; M cost: Rs. 1.10Lacs/annum</li> </ul> </li> </ul>
27	UGT tanks	<ul style="list-style-type: none"> <li>• Location(s) of the UGT tank(s): <ul style="list-style-type: none"> <li>Rehabilitation: Underground</li> <li>Sale: Basement level</li> </ul> </li> </ul>
28	Storm drainage water	<ul style="list-style-type: none"> <li>•Natural water drainage pattern</li> <li>The storm water collected through the storm water drains of adequate capacity will be discharged into the external drain.</li> <li>•Quantity of storm water: 0.21 m<sup>3</sup>/sec</li> <li>•Size of SWD: Capacity of SWD 0.27 m<sup>3</sup>/sec</li> </ul>
29	Sewage and Waste water	<ul style="list-style-type: none"> <li>•Sewage generation (CMD): 635 KLD</li> <li>•STP technology: MBBR (Moving Bed Bio Reactor)</li> <li>•Capacity of STP (CMD): <ul style="list-style-type: none"> <li>Rehabilitation Building 1&amp; 2: 215 KL</li> <li>Rehabilitation Building 3: 225 KL</li> <li>Sale Building: 250 KL</li> </ul> </li> <li>•Location of the STP: Underground</li> <li>•DG sets (during emergency): For essential backup (Total DG capacity of the project including load of STP.) <ul style="list-style-type: none"> <li>For Rehabilitation Building: Alternate back up from Sale transformer</li> <li>For Sale Building: 1 DG set of 650 kVA</li> </ul> </li> <li>•Budgetary allocation (Capital cost and O&amp;M cost) <ul style="list-style-type: none"> <li>Capital cost: Rs. 187.05 Lacs</li> <li>O &amp; M cost: Rs. 40.17 Lacs/annum</li> </ul> </li> </ul>
30	Solid waste Management	<ul style="list-style-type: none"> <li>Waste generation in the Pre-Construction and Construction phase: <ul style="list-style-type: none"> <li>• Waste generation: The excavated earth shall be disposed to authorized landfill site.</li> <li>•Quantity of the top soil to be preserved: --</li> </ul> </li> </ul>

Sr. No	Particular							
		<p>•Disposal of the construction waste debris: Construction waste shall be partly reused on site and partly will be disposed to the authorized landfill site</p> <p>Waste generation in the operation Phase:</p> <ul style="list-style-type: none"> <li>• Dry waste (Kg/day): 737</li> <li>• Wet waste (Kg/day): 1695</li> <li>• E – waste (Kg/month): --</li> <li>• Hazardous waste (Kg/month): --</li> <li>• <u>Biomedical waste (Kg/month) (If applicable): Not Applicable</u></li> <li>• STP Sludge (Dry sludge) (Kg/day): 95</li> </ul> <p>Mode of Disposal of waste:</p> <p>•Dry waste:</p> <p style="padding-left: 20px;">Non-recyclable: To MCGM Recyclable: To recyclers</p> <p>•Wet waste: Organic Waste Converters (OWCs)</p> <p>•E - waste: To authorized recyclers</p> <p>•Hazardous waste: --</p> <p>•Biomedical waste (If applicable): Not Applicable</p> <p>•STP Sludge (Dry sludge): As manure</p> <p>Area requirement: Location(s) and total area provided for the storage and treatment of the solid waste: Location: Ground floor Area: 157 Sq. m.</p> <p>Budgetary allocation (Capital cost and O&amp;M cost) Capital cost: Rs. 18.00 Lacs (Cost for treatment of biodegradable garbage in OWC) O &amp; M cost: Rs. 6.66 Lacs (Cost for treatment of biodegradable garbage in OWC)</p>						
31	Green Belt Development	<p>Total RG area:</p> <ol style="list-style-type: none"> <li>1. RG area other than green belt (Please specify for Reservation PG) – 4,267.37 Sq.mt.</li> <li>2. RG area under green belt: R.G Required: 8% as per SRA norms = 936.32 sq.mts. <ul style="list-style-type: none"> <li>• RG on the ground (sq. m.): 1338.80</li> <li>• RG on the podium (sq. m.): 862.20</li> </ul> </li> <li>3. Plantation: <ul style="list-style-type: none"> <li>• Number and list of trees species to be planted in the ground RG: 77 Nos.</li> </ul> <table border="1" data-bbox="555 1809 1430 1942"> <thead> <tr> <th data-bbox="555 1809 655 1899">Sr. No.</th> <th data-bbox="655 1809 911 1899">Common Name</th> <th data-bbox="911 1809 1430 1899">Scientific Name</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 1899 655 1942">1.</td> <td data-bbox="655 1899 911 1942">Shirish</td> <td data-bbox="911 1899 1430 1942"><i>Albizia lebbek</i></td> </tr> </tbody> </table> </li> </ol>	Sr. No.	Common Name	Scientific Name	1.	Shirish	<i>Albizia lebbek</i>
Sr. No.	Common Name	Scientific Name						
1.	Shirish	<i>Albizia lebbek</i>						

Sr. No	Particular			
		2.	Neem	<i>Azadiracta indica</i>
		3.	Maharukh	<i>Ailanthus excelsa</i>
		4.	Gulmohar	<i>Delonix regia</i>
		5.	Satwin	<i>Alstonia scholaris</i>
		6.	Karanj	<i>Pongamia pinnata</i>
		7.	Sita Ashok	<i>Saraca asoka</i>
		8.	Kadamb	<i>Anthocephallus cadamba</i>
		<ul style="list-style-type: none"> <li>• Number and list of trees species to be planted in the podium RG: --</li> <li>• Number and list of trees species to be planted around the border of nalla / stream / pond (If any): Not Applicable</li> <li>• Number, size, age and species of trees to be cut, trees to be transplanted: Retained Trees: 26 Nos. Cut Trees: 16 Nos. To be Transplanted Trees: 03 nos. Already Transplanted Trees: 04 Nos.</li> <li>• NOC for the Tree cutting / transplantation/ compensatory plantation, if any: Received dt. 01.12.2011 and dt. 10.11.2014</li> </ul> <p>3. Budgetary allocation (Capital cost and O&amp;M cost) Capital cost: Rs. 12.11 Lacs O &amp; M cost: Rs. 1.20 Lacs/annum</p>		
32	Energy	<p>Power supply:</p> <ul style="list-style-type: none"> <li>•Maximum demand: 3770KW</li> <li>•Connected load: 4535 KW</li> <li>•Source: TATA Power</li> </ul> <p>•Energy saving by non-conventional method: Energy savings measures:</p> <ul style="list-style-type: none"> <li>➤ Provision of Solar Lighting for landscape /common area</li> <li>➤ LED lights for internal light/lobby /Staircase</li> <li>➤ Use of advance BEE 5 star rated AC equipment</li> <li>➤ Use of energy efficient equipment's</li> </ul> <p>•Detail calculations &amp; % of saving: 25%</p> <p>•Compliance of the ECBC guidelines: (Yes/No) (If yes then submit compliance in tabular form): Yes</p> <p>•Budgetary allocation (Capital cost and O&amp;M cost): Capital cost: Rs. 45.19 Lacs (Solar system) O &amp; M cost: Rs. 0.45 Lacs/annum (Solar system)</p>		



Sr. No	Particular																																																	
		DG Set: •Number and capacity of the DG sets to be used: Rehabilitation Building: Alternate backup from Sale Transformer Sale Building no. 4: 1 DG set of 650 kVA •Type of fuel used: Diesel																																																
33	Environmental Management plan Budgetary Allocation	Construction phase (with Break-up): •Capital cost •O & M cost (Please ensure manpower and other details) Total cost incurred for EMP <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. No.</th> <th>Attributes</th> <th>Parameter</th> <th>Total Cost per annum (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1</td> <td rowspan="3">Air Environment</td> <td>Dust Suppression</td> <td>3.88</td> </tr> <tr> <td rowspan="2">Air &amp; Noise monitoring</td> <td>Sensors for Air and Noise quality monitoring</td> <td>#10.00</td> </tr> <tr> <td>By outside MOEF Approved Laboratory</td> <td>0.66</td> </tr> <tr> <td>2</td> <td>Water Environment</td> <td>Drinking water analysis</td> <td>0.54</td> </tr> <tr> <td>3</td> <td>Land Environment</td> <td>Site Sanitation</td> <td>5.00</td> </tr> <tr> <td rowspan="2">4</td> <td rowspan="2">Health &amp; Hygiene</td> <td>Disinfection at site- Pest Control</td> <td>3.60</td> </tr> <tr> <td>Health Check Up of workers</td> <td>13.50</td> </tr> <tr> <td>5</td> <td>Cost towards Disaster management</td> <td>---</td> <td>91.50</td> </tr> <tr> <td colspan="3">Total</td> <td>128.68</td> </tr> </tbody> </table> <p># Maintenance Cost for air and Noise quality Sensors : Rs. 50,000/ annum</p> Operation Phase (with Break-up)- •Capital cost •O&M cost (Please ensure manpower and other details) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. No.</th> <th>Component</th> <th>Description</th> <th>Capital cost Rs. In Lacs.</th> <th>Operational and Maintenance cost (Rs. in Lacs/yr)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td rowspan="2">Air Environment &amp; Biological Environment</td> <td>Cost for Gardening</td> <td>12.11</td> <td>1.20</td> </tr> <tr> <td>Cost for Ambient air</td> <td>*No set</td> <td>0.22</td> </tr> </tbody> </table>	Sr. No.	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	1	Air Environment	Dust Suppression	3.88	Air & Noise monitoring	Sensors for Air and Noise quality monitoring	#10.00	By outside MOEF Approved Laboratory	0.66	2	Water Environment	Drinking water analysis	0.54	3	Land Environment	Site Sanitation	5.00	4	Health & Hygiene	Disinfection at site- Pest Control	3.60	Health Check Up of workers	13.50	5	Cost towards Disaster management	---	91.50	Total			128.68	Sr. No.	Component	Description	Capital cost Rs. In Lacs.	Operational and Maintenance cost (Rs. in Lacs/yr)	1	Air Environment & Biological Environment	Cost for Gardening	12.11	1.20	Cost for Ambient air	*No set	0.22
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Sr. No.	Particular				
			& Noise Monitoring	up cost is involved	
			DG Stack Exhaust Monitoring	*No set up cost is involved	0.05
2	Water Environment	Waste water treatment	Cost for sewage treatment plant	133.05	37.09
			Cost for Waste water Monitoring	On site sensors By MOEF Approved Laboratory	54.00 0.08
		Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	18.50	0.93
			Cost for treatment unit for rain water tanks	9.00	0.03
			Rain Water Quality Monitoring	*No set-up cost is involved	0.14
3	Land Environment (Solid Waste Management)		Cost for Treatment of biodegradable garbage in OWC	18.00	6.34
			Cost for monitoring of OWC manure	*No set-up cost is involved	0.32
4	Energy Conservation		Solar system for water heating	45.19	0.45
5	Cost towards Disaster management		--	704.29	2.83
Total Cost				994.14	52.67
*No set up cost is involved as monitoring contract shall be given to Private MoEF Approved Laboratory					
•Quantum and generation of Corpus fund and Commitment: Project proponent shall operate and maintain an Environment Management Facility (EMF) for 5 years after giving possession and shall also generate corpus fund during 5 years for O & M of Rs. 263.35 Lacs. (i.e. 52.67 lacs x 5 years).					

Sr. No	Particular	
		<ul style="list-style-type: none"> <li>•Responsibility for further O &amp;M: While handing over Environmental Management Facilities M.O.U. shall be made with society to accept responsibility of further O &amp; M of EMF.</li> <li>For rehabilitation component Rs. 10,000/- per slum dweller is already deposited before CC and remaining 10,000/- shall be deposited to SRA as per their norm for further OC.</li> </ul>
34	Traffic Management	<p>Nos. of the junction to the main road &amp; design of confluence: 2 Entry &amp; Exit</p> <p>Parking details:</p> <ul style="list-style-type: none"> <li>•Number and area of basement: One basement</li> <li>•Number and area of podia: Three Podia</li> <li>•Total Parking area: 14764.00 sq. m.</li> <li>•Area per car: As per NBC</li> <li>•2-Wheeler: 167 Nos.</li> <li>•4-Wheeler: 578 Nos.</li> <li>•Public Transport: Not Applicable</li> <li>•Width of all Internal roads (m): 6m</li> </ul>
35	CRZ/ RRZ clearance obtain, if any	Not applicable
36	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Aerial distance of Eco-sensitive areas Sanjay Gandhi National Park: Approx. 1.00 Km

3. The proposal has been considered by SEIAA in its 105<sup>th</sup> 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) 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.
- (iv) The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from forestry and Wildlife angle shall be entirely at the cost and risk of the project proponent and Ministry of Environment & Forests shall not be responsible in this regard in any cost.
- (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.
- (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-**

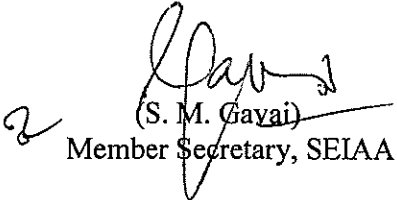
- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer 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 1<sup>st</sup> June & 1<sup>st</sup> 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, SO<sub>2</sub>, NO<sub>x</sub> (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 31<sup>st</sup> 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 29<sup>th</sup> 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, 1<sup>st</sup> 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. Johny Joseph, Chairman, IAS (Retd.). SEAC-II, office of the Lokayukta and New Up- Lokayukta, New Administrative Building, 1<sup>st</sup> floor, Madam Cama Road, Mumbai.
2. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, 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, Mumbai.
7. Chief officer, Slum Rehabilitation Authority, Bandra (E), Mumbai.
8. Commissioner, Municipal Corporation Greater Mumbai (MCGM)

9. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
10. Regional Office, MPCB, Mumbai
11. Select file (TC-3)

(EC uploaded on 16.12.2016 )