


**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Proposed expansion and amended in EC by addition of one dormitory building - 'AASHA NIVAS' in existing campus of Tata Memorial Hospital by M/s. Tata Memorial Centre**General Information:**

1.Name of Project	Environment Clearance for Proposed expansion and amended in EC by addition of one dormitory building - 'AASHA NIVAS' in existing campus of Tata Memorial Hospital by M/s. Tata Memorial Centre
2.Type of institution	Government
3.Name of Project Proponent	M/s. Tata Memorial Center
4.Name of Consultant	M/s. Eco Foot Forward Environment Consultancy & Engineers Pvt. Ltd.
5.Type of project	Dormitory Building Construction. Category 8(a) of EIA Notification, 2006
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES
8.Location of the project	Plot no. 1 & 2, Sector 22, Kharghar, Navi Mumbai - 410208
9.Taluka	NA
10.Village	NA
11.Area of the project	CIDCO
12.IOD/IOA/Concession/Plan Approval Number	Provisional Commencement Certificate No. CIDCO/BP-15374/TPO(NM)/2017/2338 dated 23.01.2017
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Provisional Commencement Certificate No. CIDCO/BP-15374/TPO(NM)/2017/2338 dated 23.01.2017
	<b>Approved Built-up Area:</b> 19497
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	2, 40,007.49 sq. m.
16.Deductions	NA
17.Net Plot area	2, 40,007.49 sq. m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 13210.24
	b) Non FSI area (sq. m.): 6286.76
	c) Total BUA area (sq. m.): 19497
19.Total ground coverage (m2)	1624.75
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.68
21.Estimated cost of the project	490000000

**22.Number of buildings & its configuration**

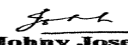
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hematolymphoid Block	G + 7	NA
2	Utility Block	G	NA
3	Medical Gas Manifold	G	NA
4	Electric Sub Station	G	NA
5	Entrance Structure	G	NA
6	Bio Bank	G	5.4 m
7	Aasha Niwas	Stilt + Ground + 11 upper floors	48.75 m

23.Number of tenants and shops	268 rooms
24.Number of expected residents / users	Existing :1505 persons , Proposed: 584 persons
25.Tenant density per hectare	NA

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

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**Shri. Johnny Joseph (Chairman SEAC-II)**


26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Cancer Research Institute (CRI), Animal House, Ward Block, Clinical Research Centre (CRC), Vishramgruha ,Faculty Building Additional,alteration in staff quarter ,centre for Cancer Epidemiology & Radiology Research Unit ,Compound Wall project house, Compound Wall & Guard house ,Staff Quarters
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

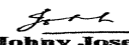
### 32.Total Water Requirement

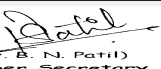
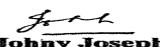
Dry season:	Source of water	CIDCO
	Fresh water (CMD):	224.52
	Recycled water - Flushing (CMD):	27.15
	Recycled water - Gardening (CMD):	28.2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	276.45
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	224.52
	Recycled water - Flushing (CMD):	27.15
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	276.45
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
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Details of Swimming pool (If any)		NA							
<b>33.Details of Total water consumed</b>									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	Level of the Ground water table:		3 - 6.5 m						
	Size and no of RWH tank(s) and Quantity:		NA						
	Location of the RWH tank(s):		NA						
	Quantity of recharge pits:		16						
	Size of recharge pits :		1.2 m x 1.2 m						
	Budgetary allocation (Capital cost) :		20 lakhs						
	Budgetary allocation (O & M cost) :		1 lakhs						
	Details of UGT tanks if any :		Location of UG Tank is near Car Parking						
<b>35.Storm water drainage</b>	Natural water drainage pattern:		combination of channels & piping						
	Quantity of storm water:		754 cm/hr						
	Size of SWD:		450 mm wide SWD						
<b>Sewage and Waste water</b>	Sewage generation in KLD:		232.54 CMD						
	STP technology:		NA, the generated sewage will be treated in Existing CIDCO STP.						
	Capacity of STP (CMD):		1 No of 300 CMD Capacity of Existing STP						
	Location & area of the STP:		Near Radiological Research and Administrative Unit						
	Budgetary allocation (Capital cost):		NA						
	Budgetary allocation (O & M cost):		NA						
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	Waste generation:		330.3 Cum of Top Soil						
	Disposal of the construction waste debris:		will be used for filling the plot and maintaining natural slopes.						
<b>Waste generation in the operation Phase:</b>	Dry waste:		Existing: 187.80 kg/day, Proposed:86.94 kg/day						
	Wet waste:		Existing: 188 kg/day, Proposed: 202.86 kg/day						
	Hazardous waste:		NA						
	Biomedical waste (If applicable):		Existing: 4602.75 kg/month, Proposed: NA						
	STP Sludge (Dry sludge):		Existing: 0.1 Proposed: NA						
	Others if any:		NA						
 DR. B.N.Patil (Secretary SEAC-II)		<b>SEAC Meeting No: 54 Meeting Date: July 3, 2017</b>				Page 3 of 104		 Shri. Johnny Joseph (Chairman SEAC-II)	

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	segregation and sale of recyclables, inert send to approved landfill site.
	<b>Wet waste:</b>	Biodegradable waste to existing Compost Facility
	<b>Hazardous waste:</b>	sent to authorized Pre- processor
	<b>Biomedical waste (If applicable):</b>	Handed over to MPCB authorized recyclers (existing)
	<b>STP Sludge (Dry sludge):</b>	used as Manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	50 sq. m.
	<b>Area for the storage of waste &amp; other material:</b>	at Utility Area
	<b>Area for machinery:</b>	NA
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	NA
	<b>O &amp; M cost:</b>	NA

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	54,729.85 Sq. m.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	1781
	<b>List of proposed native trees :</b>	NA
	<b>Timeline for completion of plantation :</b>	NA

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	00

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	NA
	<b>DG set as Power back-up during construction phase</b>	NA
	<b>During Operation phase (Connected load):</b>	850 KVA
	<b>During Operation phase (Demand load):</b>	500 KVA
	<b>Transformer:</b>	750 KVA
	<b>DG set as Power back-up during operation phase:</b>	500 KVA
	<b>Fuel used:</b>	LSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48.Energy saving by non-conventional method:

- Solar water Heaters are proposed
- LED lighting proposed
- Occupancy sensors are proposed in common areas
- LED Street lighting proposed

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater	NA
2	LED lighting	NA

#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	45 Lakhs
	<b>O &amp; M cost:</b>	2 Lakhs

## 51.Environmental Management plan Budgetary Allocation

### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris / Top Soil Management	NA	35
2	Toilets for Labour + Drinking Water + First Aid Arrangement	NA	15

### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	71.75	5
2	Rain Water Harvesting	NA	20	1
3	Landscape Management	NA	76.81	52.92
4	Energy Conservation + Solar Panel	NA	153	6.89
5	Environment Monitoring	NA	1	1.6

## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

## 52.Any Other Information

No Information Available

## 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	437 Sq. m.
	Area per car:	12.5 sq. m.
	Area per car:	12.5 sq. m.
	Number of 2-Wheelers as approved by competent authority:	11
	Number of 4-Wheelers as approved by competent authority:	159
	Public Transport:	NA
	Width of all Internal roads (m):	6 meters, 9 meters & 11 meters
CRZ/ RRZ clearance obtain, if any:	NA	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA	
Category as per schedule of EIA Notification sheet	8 (a)	
Court cases pending if any	NA	
Other Relevant Informations	NA	
Have you previously submitted Application online on MOEF Website.	Yes	
Date of online submission	21-10-2016	

### Brief information of the project by SEAC

PP, Dr. Narayanan, Tata Memorial Centre along with environmental consultant M/s Ecofoot forward Pvt. Ltd. were present during the meeting.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 53<sup>rd</sup> meeting of SEAC II. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 240007.49 m<sup>2</sup> & total construction area of the project (FSI + Non FSI) is 19497 m<sup>2</sup>. Committee noted that total construction area for all proposed cases is 61100.57 m<sup>2</sup>. The project considered under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1,1A, synopsis of compliances, presentation & plans submitted are taken on the record.

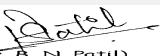
**During discussion following points emerged:**

### DECISION OF SEAC

*After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.*

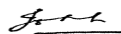
**Specific Conditions by SEAC:**

- 1) PP to explore the option of sensor based monitoring for air & noise measurements during construction & operational phase.
- 2) PP to upload layout plan for Rain Water Harvesting, Solar System also to upload lux calculations & EMP.

  
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 Member Secretary  
 SEAC (MMR)  
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 SEAC-II)**

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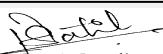
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## FINAL RECOMMENDATION

SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-00000000016



(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)

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**Shri. Johnny Joseph  
(Chairman SEAC-II)**



**54th SEAC-II meeting Day-1 (3/7/2017)**

**SEAC Meeting number: 54 Meeting Date July 3, 2017**

**Subject:** Environment Clearance for Hadron Beam (Proton Therapy) Facility & Radiological Research Unit & Administration block (RRU)


**General Information:**

1.Name of Project	Proposed construction of Hadron Beam (Proton Therapy) Facility & Expansion of Radiological Research Unit & Administration Block (RRU)
2.Type of institution	Government
3.Name of Project Proponent	Tata Memorial Center
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Hadron Beam (Proton Therapy) Facility & Radiological Research Unit & Administration Block (RRU)
6.New project/expansion in existing project/modernization/diversification in existing project	NEW
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Plot 1 & 2, Sector 22, Kharghar, Navi Mumbai.
9.Taluka	NA
10.Village	NA
11.Area of the project	CIDCO
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate for Centre for Cancer Epidemiology (CCE) and Radiological Research Unit Administration Block (RRU) is received. <b>IOD/IOA/Concession/Plan Approval Number:</b> Cancer Epidemiology (CCE) and Radiological Research Unit Administration Block (RRU) : vide letter No.CIDCO/BP-9271/ATPO(NM&K)/2013/1455 dated 30/04/2013 <b>Approved Built-up Area:</b> 21516.5
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Commencement Certificate for Centre for Cancer Epidemiology (CCE) and Radiological Research Unit & Administration Block (RRU) is received.
15.Total Plot Area (sq. m.)	2,40,007.495
16.Deductions	NA
17.Net Plot area	2,40,007.495
18.Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 20,682 <b>b) Non FSI area (sq. m.):</b> 834.5 <b>c) Total BUA area (sq. m.):</b> 21,516.5
19.Total ground coverage (m2)	5405.11
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.63
21.Estimated cost of the project	1300300000

**22.Number of buildings & its configuration**

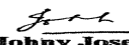
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	RRU & Administration block	B + Gr + 7 UF	35.90
2	Hydron facility	Ground + 1UF	8.20

23.Number of tenants and shops	Radiological research unit & Administration block (RRU): 01 Hadron facility: 01
24.Number of expected residents / users	1055
25.Tenant density per hectare	756
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Approx 9 meters of road width, Nearest Fire Station is located at approx 1.5 Km from the plot

  
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28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5m, 11.5m
29. Existing structure (s) if any	The proposed construction is within the hospital campus which is spread on 60 acres of land.
30. Details of the demolition with disposal (If applicable)	APPROX 1-3 MT/DAY

### 31. Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	72
	Recycled water - Flushing (CMD):	27
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	99
	Fire fighting - Underground water tank (CMD):	254000
	Fire fighting - Overhead water tank (CMD):	NA
	Excess treated water	CIDCO sewer network
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	72
	Recycled water - Flushing (CMD):	27
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	99
	Fire fighting - Underground water tank (CMD):	254000
	Fire fighting - Overhead water tank (CMD):	NA
	Excess treated water	CIDCO sewer network
Details of Swimming pool (If any)	NA	

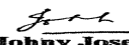
### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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**Johnny Joseph**  
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>			3.03 to 5.05					
	<b>Size and no of RWH tank(s) and Quantity:</b>			NA					
	<b>Location of the RWH tank(s):</b>			NA					
	<b>Quantity of recharge pits:</b>			4					
	<b>Size of recharge pits :</b>			3.0 m					
	<b>Budgetary allocation (Capital cost) :</b>			24.76					
	<b>Budgetary allocation (O &amp; M cost) :</b>			1.24					
	<b>Details of UGT tanks if any :</b>			U G tanks of capacities 25 lac, 5 lac & 2.5 lac litre strategically located in the campus. 2.54 lac litres underground Fire Tank is located in the campus.					
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>			combination of channels and piping					
	<b>Quantity of storm water:</b>			Hadron Building = (W=0.45) X (D = 0.40 to 0.60), RRU building = (W=1.0) X (D =0.90 to 1.20)					
	<b>Size of SWD:</b>			sized as per design max rainfall intensity of 125 mm/hour					
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>			100					
	<b>STP technology:</b>			Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end.					
	<b>Capacity of STP (CMD):</b>			Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end.					
	<b>Location &amp; area of the STP:</b>			Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end.					
	<b>Budgetary allocation (Capital cost):</b>			NA					
	<b>Budgetary allocation (O &amp; M cost):</b>			NA					
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>			Debris 1-3 MT/day					
	<b>Disposal of the construction waste debris:</b>			used for filling the plot and maintaining natural slopes					
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>			326.3					
	<b>Wet waste:</b>			87.2					
	<b>Hazardous waste:</b>			NA					
	<b>Biomedical waste (If applicable):</b>			2008					
	<b>STP Sludge (Dry sludge):</b>			0.1					
	<b>Others if any:</b>			NA					

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	segregation and sale of recyclables, inerts to approved landfill site.
	<b>Wet waste:</b>	biodegradable waste to compost
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	Biomedical waste will be sent to nearest Common Biomedical Waste Treatment and Disposal facility (CBMWTSDF) authorized by MPCB
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	Nil
<b>Area requirement:</b>	<b>Location(s):</b>	At utility area
	<b>Area for the storage of waste &amp; other material:</b>	50
	<b>Area for machinery:</b>	At utility area
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	10
	<b>O &amp; M cost:</b>	2

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	24000
	<b>No of trees to be cut :</b>	Nil
	<b>Number of trees to be planted :</b>	155
	<b>List of proposed native trees :</b>	DETAILS GIVEN IN LIST OF PROPOSED PLANTATION ON GROUND
	<b>Timeline for completion of plantation :</b>	4 YEARS FROM START OF CONSTRUCTION

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	50	The branches are wide and spreading. The fairly dense crown is roundish and may reach a diameter of 15-20 metres (49-66 ft) in old, free-standing specimens.
2	Acacia concinna	Acacia	25	NA
3	Syzygium cumini	Jamun	20	heights of up to 30 m, dense foliage
4	Ficus racemosa	Umbar	10	NA
5	Ficus religiosa	Pimpal	10	large dry season-deciduous or semi-evergreen tree up to 30 metres (98 ft) tall and with a trunk diameter of up to 3 metres
6	Peltophorum pterocarpum	Copper pod tree	20	deciduous tree growing to 15-25 m (rarely up to 50 m) tall, with a trunk diameter of up to 1 m
7	Saraca asoca	Ashoka	20	beautiful foliage and fragrant flowers. It is a handsome, small, erect evergreen tree, with deep green leaves growing in dense clusters.

#### 45.Total quantity of plants on ground:

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NIL

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	93.33
	<b>DG set as Power back-up during construction phase</b>	will be provided as per requirement
	<b>During Operation phase (Connected load):</b>	2728
	<b>During Operation phase (Demand load):</b>	2080
	<b>Transformer:</b>	NA
	<b>DG set as Power back-up during operation phase:</b>	2 X 625, 2 x 1250
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48. Energy saving by non-conventional method:

RRU

- Power factor Correction panels at distribution side
- All Light fixture are LED type
- LED Street lights with Solar panel are proposed.
- Providing fresh air as per ASHRAE 62.1 requirement
- Chilled water pump with VFD
- Use of Heat wheel for exhaust air energy recovery up to 70%
- Controlling required air quantity by VAV installed on diffusers
- Use of CFC free refrigerant Freon 134 A
- Use of low shading coefficient glazing 0.24
- Under deck insulation of exposed roof.

Hydron facility:

- Energy efficient Led Light fixtures are used.
- Solar panel of minimum 10 KW is provided.
- 5 star rated ceiling fans are used.
- Secondary pumps with VFD are proposed to distribute Chilled water from the Chiller to the Hospital in order to have better energy conservation.
- AHUs are also proposed with VFD.
- Led street light fixtures are used

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Power factor Correction panels at distribution side, All Light fixture are LED type, LED Street lights with Solar panel are proposed, Providing fresh air as per ASHRAE 62.1 requirement, Chilled water pump with VFD Use of Heat wheel for exhaust air energy recovery up to 70%, Controlling required air quantity by VAV installed on diffusers, Use of CFC free refrigerant Freon 134 A, Use of low shading coefficient glazing 0.24, Under deck insulation of exposed roof. Energy efficient Led Light fixtures are	648599.2


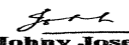
#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	206.87
	O & M cost:	6.1

#### 51. Environmental Management plan Budgetary Allocation

##### a) Construction phase (with Break-up):

 (Dr. B.N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N. Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3, 2017</b>	<b>Page 14 of 104</b>	 <b>Johnny Joseph</b> Shri. Johnny Joseph (Chairman SEAC-II)
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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris and top soil management	NA	20
2	Toilets for labour + Drinking water + First aid arrangement	NA	20

### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	NA	10	02
2	Biomedical waste management	NA	0	05
3	Rain water harvesting	NA	24.76	1.2
4	Green belt	NA	1	0.50
5	Energy saving features	NA	40	2.50

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 entries to the main road, as shown in the master plan of the campus
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4200
	Area per car:	18
	Area per car:	18
	Number of 2-Wheelers as approved by competent authority:	12
	Number of 4-Wheelers as approved by competent authority:	60
	Public Transport:	5 vehicles for approx 100 staff
Width of all Internal roads (m):	main road = 7.5 m (lane) + 7.5 (lane) m + 1.0 m. (divider), secondary roads = 8.0 m (lane)	
CRZ/ RRZ clearance obtain, if any:	NA	

	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	NA
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### Brief information of the project by SEAC

PP, Dr. Narayanan, Tata Memorial Centre along with environmental consultant M/s Aaditya Environmental Services Pvt. Ltd. were present during the meeting.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 53<sup>rd</sup> meeting of SEAC II. PP informed that the present project proposal is for construction of Hadron Beam (Proton Therapy) facility (Ground + 1UF) and Expansion of Radiological Research Unit & Administrative Block (RRU) (Basement + Ground + 7 UF). All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 240007.49 m<sup>2</sup> & total construction area of the project (FSI + Non FSI) is 19497 m<sup>2</sup>. Committee noted that total construction area for all proposed cases is 61100.57 m<sup>2</sup>. The project considered under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1,1A, synopsis of compliances, presentation & plans submitted are taken on the record.

### DECISION OF SEAC

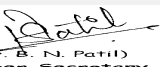
**After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.**

**Specific Conditions by SEAC:**

- 1) PP to explore the option of sensor based monitoring for air & noise measurements during construction & operational phase.
- 2) PP to upload layout plan for Rain Water Harvesting, Solar Energy System and also upload lux calculations & EMP.

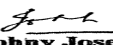
### FINAL RECOMMENDATION

SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
2017**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**



## 54th SEAC-II meeting Day-1 (3/7/2017)

**SEAC Meeting number: 54 Meeting Date July 3, 2017**

**Subject:** Environment Clearance for proposed redevelopment of existing mill For M/s Century Textile and Industries Ltd. at C. S. No. 5/794 (PT.) of Lower Parel (Div.) & F.P. No. 1080 Of TPS IV of Mahim (Div.), Mumbai.


### General Information:

1.Name of Project	Proposed redevelopment of existing mill For M/s Century Textile and Industries Ltd. at C. S. No. 5/794 (PT.) of Lower Parel (Div.) & F.P. No. 1080 Of TPS IV of Mahim (Div.), Mumbai.
2.Type of institution	Government
3.Name of Project Proponent	Mumbai Housing and Area Development Board
4.Name of Consultant	M/s. Fine Envirotech Engineers
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environmental Clearance obtained dated: 30th September 2014
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance obtained No. 2013/CR-504/TC-1, dated: 30th September 2014, Environment department, Government of Maharashtra.
8.Location of the project	C. S. No. 5/794 (PT.) of Lower Parel (Div.) & F.P. No. 1080 Of TPS IV of Mahim (Div.), Mumbai.
9.Taluka	Mumbai
10.Village	Mahim
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD (As per MCGM DCR 1991 Clause no. 33(18) )
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Approval Letter No. CHE/320/BP(Spl. Cell/AGS/337 Dated:24/11/2015
	<b>Approved Built-up Area:</b> 70111.97
13.Note on the initiated work (If applicable)	Total constructed work : 51823.76 sq.mt. (FSI area 42212.52 sq.mt. and Non FSI area: 9611.24 sq.mt.)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	13091.90 sq.mt
16.Deductions	Nil
17.Net Plot area	13091.90 sq.mt
18.Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.):</b> 70111.97 sq.mt.
	<b>b) Non FSI area (sq. m.):</b> 16487.48 sq.mt
	<b>c) Total BUA area (sq. m.):</b> 86599.45 sq.mt.
19.Total ground coverage (m2)	3802.21 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.04 %
21.Estimated cost of the project	1228500000

### 22.Number of buildings & its configuration

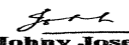
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No.1 (Transit) with 3 Wings A, B, C	Stilt +22	64.36
2	Building No.2 (Mill Worker) with 5 Wings A, B, C, D, E	Stilt +24	69.96

23.Number of tenants and shops	Residential tenements - 2127 nos.
24.Number of expected residents / users	Residents - 10635 nos.
25.Tenant density per hectare	600
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	22.80 m wide D.P. Road

  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Shri. Johnny Joseph (Chairman SEAC-II)**

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	More than 6.00 mt provided.
29. Existing structure (s) if any	Not applicable
30. Details of the demolition with disposal (If applicable)	Not applicable

### 31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	957
	Recycled water - Flushing (CMD):	479
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1444
	Fire fighting - Underground water tank (CMD):	800
	Fire fighting - Overhead water tank (CMD):	240
	Excess treated water	605
Wet season:	Source of water	MCGM
	Fresh water (CMD):	957
	Recycled water - Flushing (CMD):	479
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1436
	Fire fighting - Underground water tank (CMD):	800
	Fire fighting - Overhead water tank (CMD):	240
	Excess treated water	613
Details of Swimming pool (If any)	Not applicable	

### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>			1.5 m					
	<b>Size and no of RWH tank(s) and Quantity:</b>			Nil					
	<b>Location of the RWH tank(s):</b>			Not applicable					
	<b>Quantity of recharge pits:</b>			2 nos.					
	<b>Size of recharge pits :</b>			3.0m x 1.5 m					
	<b>Budgetary allocation (Capital cost) :</b>			Rs. 4 Lakhs					
	<b>Budgetary allocation (O &amp; M cost) :</b>			Rs. 1Lakh					
	<b>Details of UGT tanks if any :</b>			Domestic water tank capacity-- 648 Cum Flushing water tank capacity 324 Cum Fire UG tank capacity. 800 Cum					
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>			Storm water collection is proposed separately for roof area and other area in project premises					
	<b>Quantity of storm water:</b>			1.83 Cum /sec					
	<b>Size of SWD:</b>			R.C.C. pipe 300 mm & 450 mm / 300 mm wide built up open drain covered with grating					
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>			1149 KLD					
	<b>STP technology:</b>			MBBR					
	<b>Capacity of STP (CMD):</b>			1 STP of capacity 1200 KLD					
	<b>Location &amp; area of the STP:</b>			Location : Ground and area of STP -350 sq.mt					
	<b>Budgetary allocation (Capital cost):</b>			Rs. 230 Lakhs					
	<b>Budgetary allocation (O &amp; M cost):</b>			Rs. 40 Lakhs					
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>			Waste will be generated during excavation and other construction activities					
	<b>Disposal of the construction waste debris:</b>			To be disposed by handed over to authorized contractor/recycler					
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>			2127 Kg/day					
	<b>Wet waste:</b>			3191 Kg/day					
	<b>Hazardous waste:</b>			Not applicable					
	<b>Biomedical waste (If applicable):</b>			Not applicable					
	<b>STP Sludge (Dry sludge):</b>			57 Kg/day					
	<b>Others if any:</b>			Not applicable					

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Wastes will be handed over to authorized agency/recycler
	<b>Wet waste:</b>	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Used as manure for gardening
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	27 sq.mt
	<b>Area for machinery:</b>	37.94 sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 65 Lakhs
	<b>O &amp; M cost:</b>	Rs. 16 Lakhs

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1590.13 sq.mt
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	70 nos
	<b>List of proposed native trees :</b>	Karanj, Apta, Neem, Kadamb, Bhava, Sita Ashoka, Mango, Bakul and Nandruk
	<b>Timeline for completion of plantation :</b>	2 Years

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	7	Shady tree
2	Bauhinia racemosa	Apta	7	Small tree with small white flowers, butterfly host plant
3	Azadiracta indica	Neem	5	Large tree, good for roadside plantation
4	Anthocephallus cadamba	Kadamb	8	Shady, large deciduous tree, fast growing graceful tree, ball shaped flowers
5	Cassia fistula	Bhava	8	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
6	Saraca asoka	Sita Ashoka	12	Shady tree with red yellow flowers
7	Magnifera indica	Mango	5	Fruit Bearing Tree
8	Mimusops elengi	Bakul	10	Shady tree, small white fragrant flowers
9	Ficus retusa	Nandruk	8	Shady tree, good for roadside plantation

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST
	<b>During Construction Phase: (Demand Load)</b>	200 KW
	<b>DG set as Power back-up during construction phase</b>	150 KW
	<b>During Operation phase (Connected load):</b>	6405.15 KW
	<b>During Operation phase (Demand load):</b>	4088.77 KW
	<b>Transformer:</b>	3 nos. x 1250 KVA and 2 x 1000 KVA
	<b>DG set as Power back-up during operation phase:</b>	3nos. of DG set of capacity 320 KVA each
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

#### 48.Energy saving by non-conventional method:

Use of T-5 28 watt Tube Lights  
Use of Gear less Lifts with VVVF Drive.

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving per year by using T-5 Tube Light	106784 KWH
2	Energy saving per year due to use of VVVF Drive	205851.2 KWH

#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 26.03 Lakhs
	<b>O &amp; M cost:</b>	Rs. 2.60 Lakhs

#### 51.Environmental Management plan Budgetary Allocation

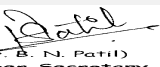
##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	3
2	Environmental Monitoring	Air, Noise, Water, Biological	7
3	Sanitary Facility and Waste Water Management	Water	4
4	Solid Waste Management	Solid waste	3
5	Occupation Health & Safety Training	Health check up of workers, disinfection at site, First aid facilities, Personal protective equipments	5

##### b) Operation Phase (with Break-up):

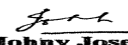
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP of capacity 1200 KLD	230	40
2	Rain Water Harvesting System	Recharge pits	4	1
3	Solid Waste Management	OWC, Manpower, Colored Dustbins	65	16
4	Green Belt Development	RG area 1590.13 sq.mt. Tree plantation	25	5
5	Energy Saving Measures	Energy saving by using T-5 Tube Lights and VVVF drives	26.03	2.60
6	Disaster Management Plan	Fire Fighting measures, Disaster Management Kit, Well equipped Control Room , Alternate source of power supply	187	11.47

#### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

  
DR. B.N.Patil (Secretary SEAC-II)

SEAC Meeting No: 54 Meeting Date: July 3, 2017

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Shri. Johnny Joseph (Chairman SEAC-II)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Separate exit and entry points.
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	6354.35 sq.mt
	Area per car:	Stilt parking-26.81, Open parking (Stack)-10.87 sq.mt.
	Area per car:	Stilt parking-26.81, Open parking (Stack)-10.87 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	336 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6m, 9m, 12m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-07-2016

### Brief information of the project by SEAC

 (Dr. B. N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3, 2017</b>	<b>Page 23 of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph (Chairman SEAC-II)</b>
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Representative of PP Shri Raut, Executive Engineer from MHADA & Architect Mr Sandeep Tandel were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP stated that the proposed project is Amendment project. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 13091.90 sq. mt & total construction area of the project (FSI + Non FSI) is 86599.45 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted online are taken on the record.

PP informed that, the project has received Environmental Clearance vide letter dated 30<sup>th</sup> September 2014 comprising total built up area of 63979.95 sq.mt. and till date total 51823.76 sq.mt. Construction work was done as per EC. Further, PP stated that there is change in configuration of both Buildings. Transit Building No.1 Wing A, B & C of configuration S+16/15 changes to S+22 and Mill Worker Building No. 2 Wing A, B, C, D & E of configuration S+17/21 changes to S+24.

## DECISION OF SEAC

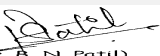
**After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.**

### Specific Conditions by SEAC:

- 1) PP to ensure that BOD and COD of the treated waste water should be 10 mg/lit and suspended solids is 20 mg/lit
- 2) PP to provide dual plumbing system for reuse/recycle of treated water.
- 3) PP to ensure RG of 1590.13 Sqm should be on ground.
- 4) PP to revise energy saving calculations by incorporating ECBC norms and renewable energy sources and submit the same.
- 5) PP to ensure that width of the fire tender movement from all sides should be 6 m and turning radius should be 9 meters.
- 6) PP to provided fire lift in the building with fire retardant and smoke free. Also pp to provide proper communication system in case of fire hazard and also to ensure stand by dedicated power supply during fire hazard & submit the same
- 7) PP to provide project specific SOP to tackle the fire hazard.
- 8) Hon'ble High Court has clamped a ban on new constructions in MCGM area. Building permissions may be considered by the Local Body strictly adhering to High Court's order

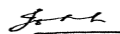
## FINAL RECOMMENDATION

SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
2017**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**




**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject: Environment Clearance for Environment Clearance For Proposed Housing Scheme****General Information:**

1.Name of Project	proposed Housing Scheme having EWS & LIG Type Tenements at sector 40, plot -1, Kharghar Navi Mumbai.
2.Type of institution	Government
3.Name of Project Proponent	Superintending Engineer, City & Industrial Development Corporation Of Maharashtra Ltd (CIDCO), Navi Mumbai.
4.Name of Consultant	M/s. Fine Envirotech Engineers, Mahim, Mumbai - 400016
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sector - 40, plot - 1, kharghar, Navi Mumbai.
9.Taluka	Panvel
10.Village	Kharghar
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	-- IOD/IOA/Concession/Plan Approval Number: -- Approved Built-up Area: 54727.49
13.Note on the initiated work (If applicable)	Na
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	36485.14 Sq.m
16.Deductions	00
17.Net Plot area	36485.14 Sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 54727.49 Sq.m b) Non FSI area (sq. m.): 50646.72 Sq.m c) Total BUA area (sq. m.): 105374.21 Sq.m
19.Total ground coverage (m2)	6959.51 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.07%
21.Estimated cost of the project	2371500000

**22.Number of buildings & its configuration**

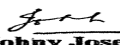
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS - 02 Nos	G+7	23.56m
2	EWS - 06 Nos	G+14	43.65m
3	LIG C+R - 06 Nos	G+14	44.235M
4	LIG Resi - 01 Nos	G+7	23.56m
5	LIG Resi - 01 Nos	G+13	40.78m

23.Number of tenants and shops	EWS - 636 Nos, LIG - 1176 Nos, & Commercial Shops - 36+4 = 40 Shops, Total tenants - 1812.
24.Number of expected residents / users	Resi (1812x5) = 9060 Nos, & commercial shops - 123 Nos
25.Tenant density per hectare	497 Ts/hector
26.Height of the building(s)	

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	45.00m, 15m road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00m.
29.Existing structure (s) if any	N.A.
30.Details of the demolition with disposal (If applicable)	N.A.

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	1667
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1667
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	440
	Excess treated water	NA
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	1638
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1638
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	440
	Excess treated water	Na
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

 (Dr. B. N. Patil) Member, Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary          SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3,          2017</b>	<b>Page 26          of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph          (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		1m to 3.4m below G.L.						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		N.A.						
	<b>Quantity of recharge pits:</b>		3 Nos						
	<b>Size of recharge pits :</b>		9m x 4.5m						
	<b>Budgetary allocation (Capital cost) :</b>		15 Lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1.5 Lakhs						
	<b>Details of UGT tanks if any :</b>		NIL						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open Storm water drain with grating						
	<b>Quantity of storm water:</b>		26.37m <sup>3</sup> /min						
	<b>Size of SWD:</b>		450/600 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		1310						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		--						
	<b>Location &amp; area of the STP:</b>		--						
	<b>Budgetary allocation (Capital cost):</b>		--						
	<b>Budgetary allocation (O &amp; M cost):</b>		--						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		Waste generation will be in the form of Construction Debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will disposed through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		1839 kg/day						
	<b>Wet waste:</b>		2942 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		NA						
	<b>Others if any:</b>		NA						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be given to authorized contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	1
	<b>Area for the storage of waste &amp; other material:</b>	120 sq.m.
	<b>Area for machinery:</b>	30 sq. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	60 Lakhs
	<b>O &amp; M cost:</b>	16 Lakhs

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	5479.68sq.m
	<b>No of trees to be cut :</b>	N.A.
	<b>Number of trees to be planted :</b>	456 Nos
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA, MICHELIA CHAMPACA, FICUS RETUSA, BUTEA MONOSPERMA, ALBIZZIA LEBBEK, PARIJAT NYCTANTHES ARBOR-BAUHINEA PURPUREA KANCHAN, CASSIA FISTULA BAHAVA, BOMBAX CEIBA,
	<b>Timeline for completion of plantation :</b>	1 Year from the grant of EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	19	--
2	GMELIA ARBOREA	Shivan	21	--
3	PUTRANJIVA ROXBURGHII	Putranjiva	16	--
4	AZADIRACTA INDICA	Neem	14	--
5	MICHELIA CHAMPACA	Sonchapa	21	--
6	FICUS RETUSA	Nandruk	22	--
7	BUTEA MONOSPERMA	Palas	16	--
8	ALBIZZIA LEBBEK	Siris	20	--
9	PARIJAT NYCTANTHES ARBOR-	prajakta	41	--
10	BAUHINEA PURPUREA	Kanchan	25	--
11	CASSIA FISTULA BAHAVA	Bahwa	27	--
12	BOMBAX CEIBA KATESHSAVAR	Savar	44	--
13	ALSTONIA SCHOLARIS SAPTAPARNI	Satvin	32	--
14	ERYTHRINA INDICA PANGARA	Pangara	22	--
15	ANTHOCEOHALLUS KADAMB	Kadamba	23	--
16	NURRAYA PANICULATE KUNTI	Kunti	30	--
17	SERACA ASOKA SITA ASHOKA	Sita Ashok	25	--
18	MINUSOPS ELENGI BAKUL	Bakul	21	--
19	TERMILIA CUNIATA ARJUN	Arjun	17	--

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	--
2	IXORA MINI PINK	300 mm	--
3	AELAMENDA	300 mm	--
4	COTSNAIL, CLIMBER	300 mm	--

5	PISONIA ALBA	--	--
6	BLACLEANIA FICUS	--	--

### 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630KVA
	<b>DG set as Power back-up during construction phase</b>	3 X 125 KVA
	<b>During Operation phase (Connected load):</b>	4683kw
	<b>During Operation phase (Demand load):</b>	3122KW
	<b>Transformer:</b>	9 X 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	5 X 125 KVA
	<b>Fuel used:</b>	DIESEL
	<b>Details of high tension line passing through the plot if any:</b>	NIL

### 48. Energy saving by non-conventional method:

- 1) LED light fixtures in lieu of Tube lights 40 W = 3200 Nos
- 2) VVVF drive for lifts in lieu of star delta starter = 41 Nos lifts

### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving in LED lights	55 %
2	Energy saving in VVVF drive	33 %

### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	45.5 Lakhs
	<b>O &amp; M cost:</b>	1.82 Lakhs

### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site safety	barricading and dust suppression	18
2	Environmental Monitoring	Air, Noise, Water, Biological	13
3	Waste water management	--	17
4	Occupation Health and Safety Training	--	08

#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting	--	15	1.5

2	Green Belt development	--	32	7
3	Solid waste management	--	60	16
4	Environmental Monitoring	Air, Noise, Water, Biological	--	09

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	Number and area of basement:	N.A.
	Number and area of podia:	N.A.
	Total Parking area:	12519.10 sq.m
	Area per car:	23.96 sq.m
	Area per car:	23.96 sq.m
	Number of 2-Wheelers as approved by competent authority:	52 Nos
	Number of 4-Wheelers as approved by competent authority:	523 Nos
	Public Transport:	N.A.
	Width of all Internal roads (m):	6.0m wide driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	Yes

	<b>Date of online submission</b>	02-05-2017
<b>Brief information of the project by SEAC</b>		
<p>Representative of PP Shri K.K varkhedkar Chief Engineer, from City &amp; Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai &amp; Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.</p>		
<p>PP informed that project is for EWS mass housing scheme at Sector 10, Plot-2 Ghansoli, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.</p>		
<p>PP stated that total plot area is 15214.59 sq. mt &amp; total construction area of the project (FSI + Non FSI) (22821.59 + 21282.15) is 44103.74 sq.mt. but in Consolidated statement thw total BUA is mentioned as 3164.66 sq. mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation &amp; plans submitted are taken on the record.</p>		
<b>DECISION OF SEAC</b>		
<p><b>After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.</b></p>		
<p><b>Specific Conditions by SEAC:</b></p>		
<ol style="list-style-type: none"> <li>1) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.</li> <li>2) 5479.68 sq.mt. RG on ground should be maintain by PP</li> <li>3) PP to submit detail plan for re-use of recycled water.</li> <li>4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits &amp; indicate the location of tanks &amp; reuse plan. Changes should be reflected in water budget &amp; PP to submit the same.</li> <li>5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan for the same.</li> </ol>		
<b>FINAL RECOMMENDATION</b>		
<p style="text-align: center;">SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions</p>		




**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Environmental Clearance for proposed Housing Scheme at Sector 22, Plot -01, Taloja, Navi Mumbai**General Information:**

<b>1.Name of Project</b>	Proposed Housing Scheme at Sector 22, Plot -01, Taloja, Navi Mumbai
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Superintending Engineer City and Industrial Development Corporation of Maharashtra Limited
<b>4.Name of Consultant</b>	M/s Fine Envirotech Engineers, Mahim, Mumbai 400016
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Sector 22, Plot -1, Taloja, Navi Mumbai
<b>9.Taluka</b>	Panvel
<b>10.Village</b>	Taloja
<b>11.Area of the project</b>	CIDCO of Maharashtra
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	IOA-Commencement Certificate
	<b>IOD/IOA/Concession/Plan Approval Number: --</b>
	<b>Approved Built-up Area: 38495.53</b>
<b>13.Note on the initiated work (If applicable)</b>	Not Applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	--
<b>15.Total Plot Area (sq. m.)</b>	25664.25
<b>16.Deductions</b>	00
<b>17.Net Plot area</b>	25664.25 sq.m.
<b>18.Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.): 38495.53 sq.m.</b>
	<b>b) Non FSI area (sq. m.): Non FSI Area (m2)</b>
	<b>c) Total BUA area (sq. m.): 74124.49</b>
<b>19.Total ground coverage (m2)</b>	4792.89
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	18-68%
<b>21.Estimated cost of the project</b>	1635900000

**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS 02 Nos.	G + 13	40.78 m
2	EWS 03 Nos.	G + 14	43.65 m
3	LIG Commercial + Residential 08 Nos	G + 14	44.235 m
4	LIG Residential 01 Nos.	G + 7	23.56 m
5	LIG Residential 01 Nos .	G + 4	43.65 m

<b>23.Number of tenants and shops</b>	EWS - 438 Nos. LIG -810 Nos. Shops -48 Nos + 3 Shops = 51 Shops
<b>24.Number of expected residents / users</b>	Residential - 6240 Nos. and Commercial - 157 Nos.
<b>25.Tenant density per hectare</b>	486 T/S per Hectore
<b>26.Height of the building(s)</b>	

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Johny Joseph**  
**Shri. Johny Joseph  
(Chairman SEAC-II)**

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m, 20 m & 15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	1152
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1152
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	280
	Excess treated water	00
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	1132
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1132
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	280
	Excess treated water	00
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

 (Dr. B. N. Patil) Member, Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary            SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3,            2017</b>	<b>Page 34            of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph            (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		3.5 m to 5.45 m below Ground Level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		--						
	<b>Quantity of recharge pits:</b>		3 Nos.						
	<b>Size of recharge pits :</b>		9 m X 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		15 Lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1.5 Lakhs						
	<b>Details of UGT tanks if any :</b>		Nil						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open Storm Water Drain with granting						
	<b>Quantity of storm water:</b>		18.55 m <sup>3</sup> /min						
	<b>Size of SWD:</b>		450/600/750 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		906						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		--						
	<b>Location &amp; area of the STP:</b>		--						
	<b>Budgetary allocation (Capital cost):</b>		--						
	<b>Budgetary allocation (O &amp; M cost):</b>		--						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated						
	<b>Wet waste:</b>		Construction debris will be disposed off through authorised contractor						
	<b>Hazardous waste:</b>		NA						
	<b>Biomedical waste (If applicable):</b>		NA						
	<b>STP Sludge (Dry sludge):</b>		--						
	<b>Others if any:</b>		--						
 (Dr. B. N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary SEAC-II)</b>		<b>SEAC Meeting No: 54 Meeting Date: July 3, 2017</b>				<b>Page 35 of 104</b>		 <b>Johny Joseph</b> <b>Shri. Johny Joseph (Chairman SEAC-II)</b>	

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	will be given to authorised contractor
	<b>Wet waste:</b>	will be composed
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1
	<b>Area for the storage of waste &amp; other material:</b>	95 sq.m.
	<b>Area for machinery:</b>	25 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	40 Lakhs
	<b>O &amp; M cost:</b>	11 Lakhs

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Proposed 3948.33 m2
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	321 Nos.
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , MICHELIA CHAMPACA , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA
	<b>Timeline for completion of plantation :</b>	1 year

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	Karanj	29	Shady Tree
2	GMELIA ARBOREA	Shivan	40	Large Shady Tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	32	Bird attracting Tree
4	MICHELIA CHAMPACA	Sonchapa	26	Flowering tree with fragrance
5	BUTEA MONOSPERMA	Palas	30	Flowering & Bird attracting Tree
6	ALBIZZIA LEBBEK	Siris	35	Shady Tree
7	BAUHINEA PURPUREA KANCHAN	Kanchan	40	Flowering tree
8	CASSIA FISTULA BAHAVA	Bahava	29	Flowering tree
9	RYTHRINA INDICA PANGARA	Pangara	10	Bird attracting
10	ANTHOCEOHALLUS KADAMB	Kadamba	14	Shady Tree
11	SERACA ASOKA SITA ASHOK	Sita Ashok	18	Shady Tree with red yellow flowers
12	MINUSOPS ELENGI BAKUL	Bakul	18	Flowering tree

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 m	--
2	IXORA MINI PINK	300 mm	--
3	AELAMENDA	300 mm	--
4	COTSNAIL, CLIMBER	300 mm	--
5	PISONIA ALBA	Indicated	--
6	BLACLEANIA FICUS	Indicated	--

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630 kVA
	<b>DG set as Power back-up during construction phase</b>	2 X 125 kVA
	<b>During Operation phase (Connected load):</b>	3096.13 kW
	<b>During Operation phase (Demand load):</b>	2064.08 kW
	<b>Transformer:</b>	7 X 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	3 X 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Nil

#### 48. Energy saving by non-conventional method:

18 Watt

- i) LED light fixtures in lieu of Tube light 40 watt = 2240 Nos.  
ii) VVVF drive for lift in lieu of star delta starter = 30 lifts

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving in LED lights	55%
2	Energy Saving in VVVF drive for lifts	35%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	33.14 Lakhs
	<b>O &amp; M cost:</b>	0.67 lakh


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc	--	18
4	Occupation Health & Safety Training	--	8

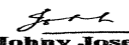
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	--	15	1.5
2	Green Belt Development	--	27	6
3	Solid Waste Management	--	40	11

  
Dr. B.N. Patil (Secretary SEAC-II)

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4	Energy Saving Measures	LED fixtures & VVVF drive lifts	33.14	0.67
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

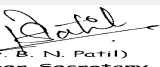
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

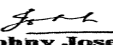
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	8776.55 m2
	Area per car:	23.96 m2
	Area per car:	23.96 m2
	Number of 2-Wheelers as approved by competent authority:	36 Nos.
	Number of 4-Wheelers as approved by competent authority:	366 Nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m wide driveway
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	Not applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-05-2017

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

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## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar, Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 22, Plot-1 Taloja, Navi Mumbai. PP informed that proposed site does not attract CRZ provisions and site is not in CRZ areas as per the CZMP. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 25664.25 sq. m & total construction area of the project (FSI + Non FSI) is 74124.49 sq.m. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

## DECISION OF SEAC

**After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.**

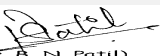
### Specific Conditions by SEAC:

- 1) PP to ensure that width of the internal road for fire tender movement should be 6m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit revised plans indicating the same
- 2) 3948.33 sq.mt. RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use of recycled water.
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits & indicate the location of tanks & reuse plan. Changes should be reflected in water budget & PP to submit the same.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan.

## FINAL RECOMMENDATION

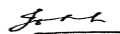
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-030000016

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

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**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Proposed Housing Scheme having EWS & LIG type tenements at Sector 12, Plot A, Dronagiri, Navi Mumbai**General Information:**

1.Name of Project	Proposed Housing Scheme having EWS & LIG type tenements at Sector 12, Plot A, Dronagiri, Navi Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
4.Name of Consultant	M/s. Fine Envirotech Engineers, Mahim, Mumbai
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sector 12, Plot A, Dronagiri, Navi Mumbai
9.Taluka	Uran
10.Village	Dronagiri
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	IOA - Commencement Certificate IOD/IOA/Concession/Plan Approval Number: -- Approved Built-up Area: 25182.64
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	16789.06 sq.m.
16.Deductions	00
17.Net Plot area	16789.06 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 25182.64 sq.m. b) Non FSI area (sq. m.): 23204.83 sq.m. c) Total BUA area (sq. m.): 48387.47 sq.m.
19.Total ground coverage (m2)	3655.78 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.77%
21.Estimated cost of the project	1110800000

**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS - 1Numbers	G + 7	23.56
2	EWS - 3 Numbers	G + 13	40.78
3	LIG Residential - 6 Number	G + 14	43.65

23.Number of tenants and shops	EWS Tenants - Not Exceeding 300 LIG - Not Exceeding 540 + Shops- 12 Shops Total Tenants = 840
24.Number of expected residents / users	Residential - 4200 Nos. , Commercial Shops = 52
25.Tenant density per hectare	500
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m, 18 m

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

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28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Not Applicable
30. Details of the demolition with disposal (If applicable)	Existing structure of G+2 configuration will be demolished and the debris generated will be disposed off through authorized contractor as per rules and debris management

### 31. Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	774
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	774
	Fire fighting - Underground water tank (CMD):	400
	Fire fighting - Overhead water tank (CMD):	190
	Excess treated water	--
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	758
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	758
	Fire fighting - Underground water tank (CMD):	400
	Fire fighting - Overhead water tank (CMD):	190
	Excess treated water	--
Details of Swimming pool (If any)	Not Applicable	

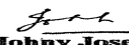
### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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 (Dr. B. N. Patil)  
 Member Secretary  
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**DR. B.N.Patil (Secretary SEAC-II)**

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		1.5 m to 3.0 m below Ground Level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not Applicable						
	<b>Quantity of recharge pits:</b>		2 Numbers						
	<b>Size of recharge pits :</b>		9 m x 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		10 lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1 lakh						
	<b>Details of UGT tanks if any :</b>		Not Applicable						
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		12.04 cubic meter per min.						
	<b>Size of SWD:</b>		450/600/750 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		606						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		--						
	<b>Budgetary allocation (O &amp; M cost):</b>		--						
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		850 kg/day						
	<b>Wet waste:</b>		1380 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		NIL						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed off through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1
	<b>Area for the storage of waste &amp; other material:</b>	80 sq.m.
	<b>Area for machinery:</b>	20 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 lakh
	<b>O &amp; M cost:</b>	O & M Cost

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3056.18 sq.m.
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 sq.m. of plot area = 210 nos.
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA, CASSIA FISTULA, ERYTHRINA INDICA,
	<b>Timeline for completion of plantation :</b>	One Year after obtaining EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	14	Shady tree
2	GMELIA ARBOREA	Shivan	15	Beautiful fast growing deciduous tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	12	Shady tree
4	BUTEA MONOSPERMA	Palas	18	Medium sized deciduous tree. Beautiful
5	ALBIZZIA LEBBEK	Siris	20	Shady tree, yellowish green fragrant flowers
6	BAUHINEA PURPUREA	Kanchan	23	Small tree with small flowers,
7	CASSIA FISTULA	Bahwa	15	Medium sized deciduous tree, beautiful yellow
8	MINUSOPS ELENGI	Bakul	23	Shady tree, fragrant flowers
9	ERYTHRINA INDICA PANGARA	Pangara	17	Shady tree
10	ANTHOCEOHALLUS KADAMB	KADAMB	19	Shady tree
11	SERACA ASOKA SITA ASHOKA	Sita Ashok	18	Shady tree
12	MICHELIA CHAMPACA	Sonchapa	16	Shady tree, Yellow fragrant flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	--
2	IXORA MINI PINK	300 mm	--
3	AELAMENDA	300 mm	--
4	PISONIA ALBA	--	--
5	BLACLEANIA FICUS	--	--
6	COTSNAIL, CLIMBER	--	--

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	400 kVA
	<b>DG set as Power back-up during construction phase</b>	1 x 125 kVA
	<b>During Operation phase (Connected load):</b>	1975.53 kW
	<b>During Operation phase (Demand load):</b>	1317.02 kW
	<b>Transformer:</b>	4 x 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	2 x 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

LED light fixtures inline of Tube lights 40 w = 1465 Nos .  
VVVF drives for lifts in lieu of star delta starter = 19 Nos .

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55%
2	VVVF drivers for lifts in lieu of star delta starter	35 %

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	21.05 Lakh
	<b>O &amp; M cost:</b>	1.4 Lakh


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc.	18
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

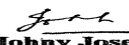
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	10	1
2	Green Belt development	Plantation	27	6
3	Solid Waste Management	OWC	25	7

  
DR. B.N.Patil (Secretary SEAC-II)

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Shri. Johnny Joseph (Chairman SEAC-II)

4	Energy Saving Measures	Solar	21.05	1.4
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

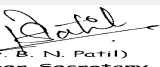
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

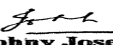
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	5 Separate Entry and Exit Will be Provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	5731.22 sq.m.
	Area per car:	23.96 sq.m.
	Area per car:	23.96 sq.m.
	Number of 2-Wheelers as approved by competent authority:	24
	Number of 4-Wheelers as approved by competent authority:	239
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-05-2017

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
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**Johnny Joseph**  
**Shri. Johnny Joseph  
 (Chairman SEAC-II)**

## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 10, Plot-2 Ghansoli, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 16789.06 sq. mt & total construction area of the project (FSI + Non FSI) is 48387.47 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

**During discussion following points emerged:**

## DECISION OF SEAC

*After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.*

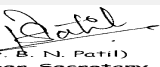
**Specific Conditions by SEAC:**

- 1) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.
- 2) 3056.18 sq.mt. RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use of recycled water.
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits & indicate the location of tanks & reuse plan. Changes should be reflected in water budget & PP to submit the same.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan.

## FINAL RECOMMENDATION

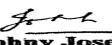
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA/2017/00016

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**



## 54th SEAC-II meeting Day-1 (3/7/2017)

**SEAC Meeting number: 54 Meeting Date July 3, 2017**


**Subject:** Environment Clearance for Proposed Housing Scheme having EWS & LIG type tenements at Sector 12, Plot B, Dronagiri, Navi Mumbai

### General Information:

1.Name of Project	Proposed Housing Scheme having EWS & LIG type tenements at Sector 12, Plot B, Dronagiri, Navi Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
4.Name of Consultant	M/s. Fine Envirotech Engineers, Mahim, Mumbai
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sector 12, Plot B, Dronagiri, Navi Mumbai
9.Taluka	Uran
10.Village	Dronagiri
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	IOA - Commencement Certificate
	<b>IOD/IOA/Concession/Plan Approval Number: --</b>
	<b>Approved Built-up Area: 22821.59</b>
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	15214.59 sq.m.
16.Deductions	Not Applicable
17.Net Plot area	15214.59 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	<b>a) FSI area (sq. m.): 22821.59 sq.m.</b>
	<b>b) Non FSI area (sq. m.): 21282.15 sq.m.</b>
	<b>c) Total BUA area (sq. m.): 3164.66 sq.m</b>
19.Total ground coverage (m2)	3164.66 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.80 %
21.Estimated cost of the project	984100000

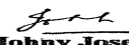
### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS - 1Numbers	G + 13	40.78
2	EWS - 2 Number	G + 14	43.65
3	LIG Residential - 2 Number	G + 13	40.78
4	LIG C + R - 4 Number	G + 13	41.365
23.Number of tenants and shops	EWS Tenants - Not Exceeding 300 LIG - Not Exceeding 540 + Shops- 12 Shops Total Tenants = 840		
24.Number of expected residents / users	Residential - 3720 Nos. , Commercial Shops = 98		
25.Tenant density per hectare	489		
26.Height of the building(s)			

  
DR. B.N.Patil (Secretary  
SEAC-II)

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m, 40 m, 20 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	686
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	686
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	--
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	674
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	674
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	180
	Excess treated water	--
Details of Swimming pool (If any)	Not Applicable	

### 33.Details of Total water consumed

 (Dr. B. N. Patil) Member, Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary          SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3,          2017</b>	<b>Page 50          of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph          (Chairman SEAC-II)</b>
--	--	------------------------------------	---

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		1.5 m to 3.0 m below Ground Level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not Applicable						
	<b>Quantity of recharge pits:</b>		2 Numbers						
	<b>Size of recharge pits :</b>		9 m x 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		10 lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1 lakh						
	<b>Details of UGT tanks if any :</b>		Not Applicable						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		10.99 cubic meter per min.						
	<b>Size of SWD:</b>		450/600 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		539						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		Not Applicable						
	<b>Budgetary allocation (O &amp; M cost):</b>		-Not Applicable						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		761 kg/day						
	<b>Wet waste:</b>		1216 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		Not Applicable						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed off through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1 Numbers
	<b>Area for the storage of waste &amp; other material:</b>	80 sq.m.
	<b>Area for machinery:</b>	20 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 lakh
	<b>O &amp; M cost:</b>	7 lakh

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2498.25 sq.m.
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 sq.m. of plot area = 190 nos.
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA, CASSIA FISTULA, ERYTHRINA INDICA,
	<b>Timeline for completion of plantation :</b>	One Year after obtaining EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	10	Shady tree
2	GMELIA ARBOREA	Shivan	24	Beautiful fast growing deciduous tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	15	Shady tree
4	BUTEA MONOSPERMA	Palas	5	Medium sized deciduous tree. Beautiful
5	ALBIZZIA LEBBEK	Siris	15	Shady tree, yellowish green fragrant flowers
6	BAUHINEA PURPUREA	Kanchan	15	Small tree with small flowers,
7	CASSIA FISTULA	Bahwa	18	Medium sized deciduous tree, beautiful yellow
8	MINUSOPS ELENGI	Bakul	50	Shady tree, fragrant flowers
9	ERYTHRINA INDICA PANGARA	Pangara	10	Shady tree
10	ANTHOCEOHALLUS KADAMB	KADAMB	10	Shady tree
11	SERACA ASOKA SITA ASHOKA	Sita Ashok	10	Shady tree
12	MICHELIA CHAMPACA	Sonchapa	10	Shady tree, Yellow fragrant flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	--
2	IXORA MINI PINK	300 mm	--
3	AELAMENDA	300 mm	--
4	PISONIA ALBA	--	--
5	BLACLEANIA FICUS	--	--
6	COTSNAIL, CLIMBER	--	--

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	400 kVA
	<b>DG set as Power back-up during construction phase</b>	1 x 125 kVA
	<b>During Operation phase (Connected load):</b>	1878 kW
	<b>During Operation phase (Demand load):</b>	1252 kW
	<b>Transformer:</b>	4 x 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	2 x 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

LED light fixtures inline of Tube lights 40 w = 1465 Nos .  
VVVF drives for lifts in lieu of star delta starter = 19 Nos .

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55%
2	VVVF drivers for lifts in lieu of star delta starter	35 %

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	19.95 Lakh
	<b>O &amp; M cost:</b>	1.4 Lakh


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc.	18
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

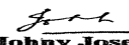
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	10	1
2	Green Belt development	Plantation	27	6
3	Solid Waste Management	OWC	25	7

  
DR. B.N.Patil (Secretary SEAC-II)

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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Shri. Johnny Joseph (Chairman SEAC-II)

4	Energy Saving Measures	Solar	19.95	1.4
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

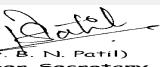
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

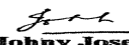
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	3 Separate Entry and Exit Will be Provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	5295.16 sq.m.
	Area per car:	23.96 sq.m.
	Area per car:	23.96 sq.m.
	Number of 2-Wheelers as approved by competent authority:	22
	Number of 4-Wheelers as approved by competent authority:	221
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not --plicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-05-2017

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
 2017**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
 (Chairman SEAC-II)**

## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar, Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 10, Plot-2 Ghansoli, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 15214.59 sq. mt & total construction area of the project (FSI + Non FSI) (22821.59 + 21282.15) is 44103.74 sq.mt. but in consolidated statement the total BUA is mentioned as 3164.66 sq. mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

**During discussion following points emerged:**

## DECISION OF SEAC

**After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.**

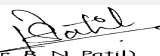
**Specific Conditions by SEAC:**

- 1) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.
- 2) 2498.25 sq.mt. RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use of recycled water
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits & indicate the location of tanks & reuse plan. Changes should be reflected in water budget & PP to submit the same.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan for the same.

## FINAL RECOMMENDATION

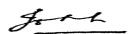
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-2000016

  
(Dr. B. N. Patil)  
Member, Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**



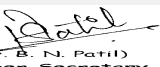
**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Proposed Housing Scheme having EWS & LIG tYpe tenements at Sector 11, Plot C, Dronagiri, Navi Mumbai**General Information:**

1.Name of Project	Proposed Housing Scheme having EWS & LIG t ype tenements at Sector 11, Plot C, Dronagiri , Navi Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
4.Name of Consultant	M/s . Fine Envirotech Engineers , Mahim, Mumbai
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sector 11, Plot C, Dronagiri , Navi Mumbai
9.Taluka	Uran
10.Village	Dronagiri
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	10A - Commencement Certificate IOD/IOA/Concession/Plan Approval Number: -- Approved Built-up Area: 29767.93
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	19846. 04 s q. m.
16.Deductions	Not applicable
17.Net Plot area	19846. 04 s q. m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 29767. 93 s q. m. b) Non FSI area (sq. m.): 27429. 3 6 c) Total BUA area (sq. m.): 57197. 29 s q. m.
19.Total ground coverage (m2)	3 745. 02 s q. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18. 87%
21.Estimated cost of the project	1269700000

**22.Number of buildings & its configuration**

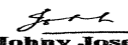
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS - 4 Numbers	G + 13	40. 78
2	LIG C+R - 2 Numbers	G + 13	41. 3 65
3	LIG C+R- 4 Numbers	G + 14	44. 23 5
4	LIG Residential - 1 Number	G + 7	23 . 56
5	LIG Residential - 1 Number	G + 13	40. 78

23.Number of tenants and shops	EWS Tenants - Not Exceeding 3 3 6 LIG - Not Exceeding 624 + Shops - 3 6+6=42 Shops
24.Number of expected residents / users	960 x 5 = 4800 Nos . Residents Commercial Shops = 149
25.Tenant density per hectare	483
26.Height of the building(s)	

  
DR. B.N.Patil (Secretary  
SEAC-II)

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(Chairman SEAC-II)**

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	886
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	886
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	23 0
	Excess treated water	Not applicable
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	871
	Recycled water - Flushing (CMD):	---
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	871
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	23 0
	Excess treated water	Not applicable
Details of Swimming pool (If any)	--	

### 33.Details of Total water consumed

 (Dr. B. N. Patil) Member, Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary          SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3,          2017</b>	<b>Page 58          of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph          (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		1.5 m to 3.1 m below Ground Level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not applicable						
	<b>Quantity of recharge pits:</b>		2 Numbers						
	<b>Size of recharge pits :</b>		9 m x 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		10 lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1 lakh						
	<b>Details of UGT tanks if any :</b>		Not applicable						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		14.41 cubic meter per/min.						
	<b>Size of SWD:</b>		450/600/750 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		697						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		Not applicable						
	<b>Budgetary allocation (O &amp; M cost):</b>		Not applicable						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		989 kg/day						
	<b>Wet waste:</b>		1562 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		Not applicable						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed of f through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Not applicable
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1 Numbers
	<b>Area for the storage of waste &amp; other material:</b>	80 s q. m.
	<b>Area for machinery:</b>	20 s q. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	3 0 l akh
	<b>O &amp; M cost:</b>	8 l akh

### 37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2996. 18 s q. m.
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 s q.m. of plot area = 248 no
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA, CASSIA FISTULA, ERYTHRINA INDICA
	<b>Timeline for completion of plantation :</b>	One Year after obtaining EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	42	Shady tree
2	GMELIA ARBOREA	Shivan	19	Beautiful fast growing deciduous tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	22	Shady tree
4	AZADIRACTA INDICA	Neem	07	Large tree, good for roads plantation
5	FICUS RETUSA	Nandruk	31	Shady tree
6	BUTEA MONOSPERMA	Palas	25	Medium sized deciduous tree. Beautiful
7	ALBIZZIA LEBBEK	Siris	35	Shady tree, yellowish green fragrant
8	BAUHINEA PURPUREA	Kanchan	16	Small tree with small flowers
9	CASSIA FISTULA	Bahwa	25	Medium sized deciduous tree, beautiful yellow
10	MINUSOPS ELENG	Bakul	21	Shady tree, small white fragrant flower
11	BOMBAX CEIBA	Savar	07	Bird Attracting

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	-
2	IXORA MINI PINK	3 00 mm	-
3	AELAMENDA	3 00 mm	-
4	PISONIA ALBA	-	-
5	BLACLEANIA FICUS	-	-

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	63 0 kVA
	<b>DG set as Power back-up during construction phase</b>	2 x 125 kVA
	<b>During Operation phase (Connected load):</b>	2519. 5 kW
	<b>During Operation phase (Demand load):</b>	1680 kW
	<b>Transformer:</b>	5 x 63 0 kVA
	<b>DG set as Power back-up during operation phase:</b>	3 x 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

LED light fixtures inline of Tube lights 40 w = 1650 Nos .  
VVVF drives for lifts in lieu of star delta starter = 23 Nos .

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55 %
2	VVVF drivers for lifts in lieu of star delta starter	23%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25.31 lakhs
	<b>O &amp; M cost:</b>	0.51775 Lakhs


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc	18/
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

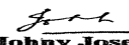
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	10	1
2	Green Belt development	Plantation	27	6
3	Solid Waste Management	OWC	30	8

  
DR. B.N.Patil (Secretary SEAC-II)

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Shri. Johnny Joseph (Chairman SEAC-II)

4	Energy Saving Measures	Solar	25.31	0.51775
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

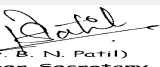
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

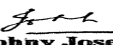
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4 Separate Entry and Exit Will be Provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	6900.48sq.m
	Area per car:	23.96sq.m
	Area per car:	23.96sq.m
	Number of 2-Wheelers as approved by competent authority:	28 Nos
	Number of 4-Wheelers as approved by competent authority:	288 Nos
	Public Transport:	N.A.
	Width of all Internal roads (m):	6.00 wide driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	8A
	Court cases pending if any	N.A.
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-05-2017

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

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**Johny Joseph**  
**Shri. Johny Joseph  
 (Chairman SEAC-II)**

## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar, Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 10, Plot-2 Ghansoli, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 19846.04 sq. mt & total construction area of the project (FSI + Non FSI) is 57197.29 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

**During discussion following points emerged:**

## DECISION OF SEAC


*After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.*

**Specific Conditions by SEAC:**

- 1) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.
- 2) 2996.18 sq.mt. RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use of recycled water.
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits & indicate the location of tanks & reuse plan. Changes should be reflected in water budget & PP to submit the same.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan for the same.

## FINAL RECOMMENDATION

SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

  
(Dr. B. N. Patil)  
Member, Secretary  
SEAC (MMR)

**DR. B.N.Patil (Secretary  
SEAC-II)**

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**Johnny Joseph**

**Shri. Johnny Joseph  
(Chairman SEAC-II)**



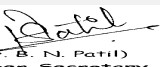
**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Environment Clearance for proposed housing scheme at Sector - 21, Plot -08, Talaja, Navi Mumbai**General Information:**

<b>1.Name of Project</b>	Proposed housing scheme at having EWS & LIG type tenements at Sector - 21, Plot -08, Talaja, Navi Mumbai
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
<b>4.Name of Consultant</b>	M/s . Fine Envirotech Engineers , Mahim, Mumbai
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Not applicable
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Sector - 21, Plot -08, Talaja, Navi Mumbai
<b>9.Taluka</b>	Panvel
<b>10.Village</b>	Talaja
<b>11.Area of the project</b>	CIDCO of Maharashtra
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	10A - Commencement Certificate <b>IOD/IOA/Concession/Plan Approval Number: --</b> <b>Approved Built-up Area: 48896.89</b>
<b>13.Note on the initiated work (If applicable)</b>	Not applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	--
<b>15.Total Plot Area (sq. m.)</b>	32599.62
<b>16.Deductions</b>	Not applicable
<b>17.Net Plot area</b>	32599.62
<b>18.Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.): 48896.89</b> <b>b) Non FSI area (sq. m.): 45344.59</b> <b>c) Total BUA area (sq. m.): 94241.48</b>
<b>19.Total ground coverage (m2)</b>	6033.21
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	18.51%
<b>21.Estimated cost of the project</b>	2097500000

**22.Number of buildings & its configuration**

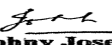
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Commercial + Residential 07 Nos.	G + 14	44.235 m
2	LIG Residential 05 Nos.	G + 14	43.65 m
3	EWS 01 Nos.	G + 7	23.56 m
4	EWS 03 Nos.	G + 13	40.78 m
5	EWS 03 Nos.	G + 14	43.65 m

<b>23.Number of tenants and shops</b>	LIG - 1038 TN , EWS 570 TN = 1608 TN , Shops - 46 Nos.
<b>24.Number of expected residents / users</b>	Residential 8040 Nos. & Commercial Shops - 157 Nos.
<b>25.Tenant density per hectare</b>	493 T/N per Hectore
<b>26.Height of the building(s)</b>	

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

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**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m , 20 m & 15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	1480
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	1480
	Fire fighting - Underground water tank(CMD):	800
	Fire fighting - Overhead water tank(CMD):	370
	Excess treated water	Not applicable
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	1455
	Recycled water - Flushing (CMD):	---
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	1455
	Fire fighting - Underground water tank(CMD):	800
	Fire fighting - Overhead water tank(CMD):	370
	Excess treated water	Not applicable
Details of Swimming pool (If any)	--	

### 33.Details of Total water consumed

 <small>(Dr. B. N. Patil) Member, Secretary SEAC (MMR)</small> <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3, 2017</b>	<b>Page 66 of 104</b>	 <b>Johny Joseph</b> <b>Shri. Johnny Joseph (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		0.5 m to 3.1 m below ground level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not applicable						
	<b>Quantity of recharge pits:</b>		3 nos.						
	<b>Size of recharge pits :</b>		9 m x 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		15 Lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1.5 Lakhs						
	<b>Details of UGT tanks if any :</b>		Not applicable						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		23.58 m <sup>3</sup> /min						
	<b>Size of SWD:</b>		450/600 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		1164						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of capacity 32 MLD of CIDCO						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of capacity 32 MLD of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		Not applicable						
	<b>Budgetary allocation (O &amp; M cost):</b>		Not applicable						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		1640 kg/day						
	<b>Wet waste:</b>		2608 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		Not applicable						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed of f through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Not applicable
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1 Numbers
	<b>Area for the storage of waste &amp; other material:</b>	95 m2
	<b>Area for machinery:</b>	20 s q. m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	50 Lakhs
	<b>O &amp; M cost:</b>	13 Lakhs

### 37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	4911.66 m2
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 m2 area of plot area = 407 nos
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , MICHELIA CHAMPACA , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA, CASSIA FISTULA
	<b>Timeline for completion of plantation :</b>	One Year after obtaining EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	29	Shady tree
2	GMELIA ARBOREA	Shivan	44	Beautiful fast growing deciduous tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	35	Shady tree
4	MICHELIA CHAMPACA	Sonchapa	22	Flowering tree with fragrance
5	BUTEA MONOSPERMA	Palas	16	Medium sized deciduous tree. Beautiful
6	ALBIZZIA LEBBEK	Siris	38	Shady tree, yellowish green fragrant
7	BAUHINEA PURPUREA	Kanchan	35	Small tree with small flowers
8	CASSIA FISTULA	Bahwa	39	Medium sized deciduous tree, beautiful yellow
9	MINUSOPS ELENG	Bakul	75	Shady tree, small white fragrant flower
10	ERYTHRINA INDICA	Pangara	22	Bird attracting Tree
11	ANTHOCEOHALLUS	Kadamba	24	Shady Tree
12	SERACA ASOKA	Sita Ashok	28	Shady Tree with red yellow flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	-
2	IXORA MINI PINK	3 00 mm	-
3	AELAMENDA	3 00 mm	-
4	PISONIA ALBA	-	-
5	BLACLEANIA FICUS	-	-

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630 kVA
	<b>DG set as Power back-up during construction phase</b>	2 X 125 kVA
	<b>During Operation phase (Connected load):</b>	4195 kW
	<b>During Operation phase (Demand load):</b>	2796 kW
	<b>Transformer:</b>	630 kVA X 8 nos.
	<b>DG set as Power back-up during operation phase:</b>	4 X 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

18 Watt

- i) LED light fixtures in lieu of Tube light 40 watt = 2860 Nos.  
ii) VVVF drive for lift in lieu of star delta starter for 38 lifts

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55 %
2	VVVF drivers for lifts in lieu of star delta starter	35%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	42 lakhs
	<b>O &amp; M cost:</b>	86000

### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc	18
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	15	1.5
2	Green Belt development	Plantation	27	6

3	Solid Waste Management	OWC	50	15
4	Energy Saving Measures	Solar	42	0.86
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

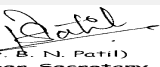
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

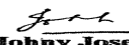
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4 Seperate Entry and Exit Will be Provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	11201.30 m2
	Area per car:	23.96sq.m
	Area per car:	23.96sq.m
	Number of 2-Wheelers as approved by competent authority:	46 Nos
	Number of 4-Wheelers as approved by competent authority:	468 Nos.
	Public Transport:	N.A.
	Width of all Internal roads (m):	6 m driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	8A
	Court cases pending if any	N.A.
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
 2017**

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**Johny Joseph**  
**Shri. Johny Joseph  
 (Chairman SEAC-II)**

	<b>Date of online submission</b>	02-05-2017
<b>Brief information of the project by SEAC</b>		
<p>Representative of PP Shri K.K Warkhedkar Chief Engineer, from City &amp; Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai &amp; Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.</p>		
<p>PP informed that project is for EWS mass housing scheme at Sector 21, Plot-08 Taloja, Navi Mumbai. PP informed that proposed site does not attract CRZ provisions and site is not in CRZ areas as per the CZMP. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.</p>		
<p>PP stated that total plot area is 32599.62 sq. m &amp; total construction area of the project (FSI + Non FSI) is 94241.48 sq.m. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation &amp; plans submitted online are taken on the record.</p>		
<p><b>During discussion following points emerged:</b></p>		
<b>DECISION OF SEAC</b>		
<p><b>After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.</b></p>		
<p><b>Specific Conditions by SEAC:</b></p>		
<ol style="list-style-type: none"> <li>1) PP to ensure that width of the internal road for fire tender movement should be 6m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.</li> <li>2) 4911.66 sq.mt. RG on ground should be maintain by PP</li> <li>3) PP to submit detail plan for re-use of recycled water.</li> <li>4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits &amp; indicate the location of tanks on layout plan &amp; also submit water reuse plan. Changes should be reflected in water budget &amp; PP to submit the same</li> <li>5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan.</li> </ol>		
<b>FINAL RECOMMENDATION</b>		
<p>SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions</p>		

SEAC-AGENT/00000016




**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Proposed Housing Scheme having EWS & LIG type tenements at Sector 27, Plot 1, Talaja, Navi Mumbai**General Information:**

1.Name of Project	Proposed Housing Scheme having EWS & LIG type tenements at Sector 27, Plot 1, Talaja, Navi Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
4.Name of Consultant	M/s . Fine Envirotech Engineers , Mahim, Mumbai
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sector 27, Plot 1, Talaja, Navi Mumba
9.Taluka	Panvel
10.Village	Talaja
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	10A - Commencement Certificate IOD/IOA/Concession/Plan Approval Number: -- Approved Built-up Area: 77143.91
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	86265.95 sq.m.
16.Deductions	Not applicable
17.Net Plot area	86265.95 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 77143.91 sq.m. b) Non FSI area (sq. m.): 71047.06 sq.m. c) Total BUA area (sq. m.): 148190.97 sq.m.
19.Total ground coverage (m2)	10572.94 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12.26 %
21.Estimated cost of the project	5708100000

**22.Number of buildings & its configuration**

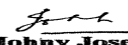
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Commercial + Residential 16 Nos	G + 14	44.235 m
2	EWS - 12 Numbers	G + 14	43.65 m
3	LIG Residation 01 Numbers	G + 14	43.65 m

23.Number of tenants and shops	EWS Tenants - Not Exceeding 1038 LIG - Not Exceeding 1434 + Shops- 96 Shops
24.Number of expected residents / users	Residential - 12570 Nos. , Commercial Shops = 29
25.Tenant density per hectare	292 T/N per Hectore
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Not applicable
30. Details of the demolition with disposal (If applicable)	Not applicable

### 31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

<b>Dry season:</b>	Source of water	CIDCO
	Fresh water (CMD):	2343
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	2343
	Fire fighting - Underground water tank (CMD):	800
	Fire fighting - Overhead water tank (CMD):	580
	Excess treated water	Not applicable
<b>Wet season:</b>	Source of water	CIDCO
	Fresh water (CMD):	2276
	Recycled water - Flushing (CMD):	---
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	2276
	Fire fighting - Underground water tank (CMD):	800
	Fire fighting - Overhead water tank (CMD):	580
	Excess treated water	Not applicable
Details of Swimming pool (If any)	--	

### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		0.9 m to 3.5 m below Ground Level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not applicable						
	<b>Quantity of recharge pits:</b>		5 nos.						
	<b>Size of recharge pits :</b>		9 m x 4. 5 m						
	<b>Budgetary allocation (Capital cost) :</b>		25 lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		2.5 lakh						
	<b>Details of UGT tanks if any :</b>		Not applicable						
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		61.72 cubic meter per min.						
	<b>Size of SWD:</b>		450/600/750 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		3102						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of capacity 32 MLD of CIDCO						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of capacity 32 MLD of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		Not applicable						
	<b>Budgetary allocation (O &amp; M cost):</b>		Not applicable						
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		2565 kg/day						
	<b>Wet waste:</b>		4291 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		Not applicable						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed of f through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Not applicable
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1 Numbers
	<b>Area for the storage of waste &amp; other material:</b>	297 sq.m.
	<b>Area for machinery:</b>	64 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	100 lakh
	<b>O &amp; M cost:</b>	20 lakh

### 37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	13467.67 sq.m.
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 sq.m. of plot area = 1078 nos.
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , MICHELIA CHAMPACA , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA, CASSIA FISTULA
	<b>Timeline for completion of plantation :</b>	One Year after obtaining EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	89	Shady tree
2	GMELIA ARBOREA	Shivan	162	Beautiful fast growing deciduous tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	96	Shady tree
4	AZADIRECTA INDICA	Neem	35	Shady tree, Medicinal Plant
5	MICHELIA CHAMPACA	Sonchapa	19	Shady tree, Yellow fragrant flowers
6	FICUS RETUSA	Nandurk	74	Medium sized deciduous tree. Beautiful orange fl
7	BUTEA MONOSPERMA	Palas	66	Shady tree, yellowish green fragrant flowers
8	ALBIZZIA LEBBEK	Siris	101	Shady Tree
9	NYCTANTHES ARBOR-TRISTIS	Parijat	42	Flower Tree with fragrance
10	BAUHINEA PURPUREA	Kanchan	32	Flowering Tree
11	CASSIA FISTULA	Bahwa	47	Flowering Tree
12	BOMBAX CEIBA	Savar	26	Bird attracting
13	ALSTONIA SCHOLARIS	Saptaparni	28	Shady Tree
14	ERYTHRINA INDICA	Pangara	19	Bird attracting
15	ANTHOCEOHALLUS	Kunti	23	Shady Tree
16	NURRAYA PANICULATE	Kadamb	34	Shady Tree
17	SERACA ASOKA	Sita Ashoka	58	Shady Tree with red yellow flowers
18	MINUSOPS ELENGI	Bakul	86	Flowering tree
19	TERMILIA CUNIATA	Arjun	43	Shady Tree

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	-
2	IXORA MINI PINK	300 mm	-
3	AELAMENDA	300 mm	-

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	2 X 630 kVA
	<b>DG set as Power back-up during construction phase</b>	3 X 125 kVA
	<b>During Operation phase (Connected load):</b>	6653 kW
	<b>During Operation phase (Demand load):</b>	4435 kW
	<b>Transformer:</b>	13 X 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	7 x 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

LED light fixtures inline of Tube lights 40 w = 4460 Nos .  
VVVF drives for lifts in lieu of star delta starter = 58 Nos .

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55 %
2	VVVF drivers for lifts in lieu of star delta starter	35%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	122.44 Lakhs
	<b>O &amp; M cost:</b>	1.31 Lakhs


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc	18
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

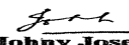
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	25	2.5
2	Green Belt development	Plantation	27	6
3	Solid Waste Management	OWC	100	26

  
DR. B.N.Patil (Secretary SEAC-II)

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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Shri. Johnny Joseph (Chairman SEAC-II)

4	Energy Saving Measures	Solar	122.44	1.31
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

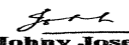
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	5 Separate Entry and Exit Will be Provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	17730.40 sq.m.
	Area per car:	23.96sq.m
	Area per car:	23.96sq.m
	Number of 2-Wheelers as approved by competent authority:	67 Nos.
	Number of 4-Wheelers as approved by competent authority:	740 Nos
	Public Transport:	N.A.
	Width of all Internal roads (m):	6 m driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	8A
	Court cases pending if any	N.A.
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-05-2017

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
 2017**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
 (Chairman SEAC-II)**

## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar, Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 27, Plot 1 Taloja, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 86265.95 sq. m & total construction area of the project (FSI + Non FSI) is 148190.97 sq.m. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted online are taken on the record.

**During discussion following points emerged:**

### DECISION OF SEAC

*After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.*

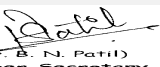
**Specific Conditions by SEAC:**

- 1) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.
- 2) 16.31 % of RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use/recycled water of 2109 KLD.
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits. And it should be reflected in water budget.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit plan for the same.

### FINAL RECOMMENDATION

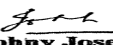
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-00000016

  
(Dr. B. N. Patil)  
Member, Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
2017**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**




**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Environment Clearance for proposed Housing scheme at Sector 15, Plot 1 to 9, Kalamboli, Navi Mumbai**General Information:**

<b>1.Name of Project</b>	Proposed Housing scheme having EWS & LIG type tenement at Sector 15, Plot 1 to 9, Kalamboli, Navi Mumbai
<b>2.Type of institution</b>	Government
<b>3.Name of Project Proponent</b>	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
<b>4.Name of Consultant</b>	M/s . Fine Envirotech Engineers , Mahim, Mumbai
<b>5.Type of project</b>	Housing Project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	Not applicable
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable
<b>8.Location of the project</b>	Sector 15, Plot 1 to 9, Kalamboli, Navi Mumbai
<b>9.Taluka</b>	Panvel
<b>10.Village</b>	Kalamboli
<b>11.Area of the project</b>	CIDCO of Maharashtra
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	10A - Commencement Certificate <b>IOD/IOA/Concession/Plan Approval Number: --</b> <b>Approved Built-up Area: 27871.76</b>
<b>13.Note on the initiated work (If applicable)</b>	Not applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	--
<b>15.Total Plot Area (sq. m.)</b>	18581.51 m2
<b>16.Deductions</b>	Not applicable
<b>17.Net Plot area</b>	18581.51 m2
<b>18.Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.): 27871.76 m2</b> <b>b) Non FSI area (sq. m.): 25582.26 m2</b> <b>c) Total BUA area (sq. m.): 53454.02 m2</b>
<b>19.Total ground coverage (m2)</b>	3745.06 m2
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	20.15%
<b>21.Estimated cost of the project</b>	1196200000

**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Residential 01 No	G + 14	43.65 m
2	LIG Commercial Residential 04 Nos	G + 14	44.235 m
3	LIG Residential 02 Nos	G + 13	40.78 m
4	EWS 03 Nos	G + 7	23.56 m
5	EWS 02 Nos	G + 14	43.65 m

<b>23.Number of tenants and shops</b>	LIG - 194 T/S + EWS 324 T/N = 918 T/N, Shops 24 Nos.
<b>24.Number of expected residents / users</b>	Residential 4590 Nos. + 85 Nos Commercial Shops
<b>25.Tenant density per hectare</b>	494 T/N per Hectore
<b>26.Height of the building(s)</b>	

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Shri. Johnny Joseph (Chairman SEAC-II)**

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m, 20 m, 15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	844
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	844
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	Not applicable
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	831
	Recycled water - Flushing (CMD):	---
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NI L
	Total Water Requirement (CMD) :	831
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	Not applicable
Details of Swimming pool (If any)	--	

### 33.Details of Total water consumed

 (Dr. B. N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary          SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3,          2017</b>	<b>Page 82          of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph          (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		2.0 m to 4.5 m below Ground Level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not applicable						
	<b>Quantity of recharge pits:</b>		2 Nos.						
	<b>Size of recharge pits :</b>		9 m x 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		10 Lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1 Lakhs						
	<b>Details of UGT tanks if any :</b>		Not applicable						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		13.51 m <sup>3</sup> /min						
	<b>Size of SWD:</b>		450/600 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		665						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of capacity 50 MLD of CIDCO						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of capacity 50 MLD of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		Not applicable						
	<b>Budgetary allocation (O &amp; M cost):</b>		Not applicable						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorized contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		935 kg/day						
	<b>Wet waste:</b>		1487 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		Not applicable						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed of f through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Not applicable
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1 Numbers
	<b>Area for the storage of waste &amp; other material:</b>	80 m2
	<b>Area for machinery:</b>	20 m2
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	30 Lakh
	<b>O &amp; M cost:</b>	8 Lakhs

### 37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2791.68 m2
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 m2 area of plot area - 232 Nos.
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA , GMELIA ARBOREA , PUTRANJIVA ROXBURGHII , MICHELIA CHAMPACA , BUTEA MONOSPERMA, ALBIZZIA LEBBEK , BAUHINEA PURPUREA, CASSIA FISTULA, ERYTHRINA INDICA, ANTHOCEOHALLUS, SERACA ASOKA, MINUSOPS ELENGI
	<b>Timeline for completion of plantation :</b>	One Year after obtaining EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	14	Shady tree
2	GMELIA ARBOREA	Shivan	23	Beautiful fast growing deciduous tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	19	Shady tree
4	MICHELIA CHAMPACA	Sonchapa	24	Shady tree, Yellow fragrant flowers
5	BUTEA MONOSPERMA	Palas	25	Shady tree, yellowish green fragrant flowers
6	ALBIZZIA LEBBEK	Siris	15	Shady Tree
7	BAUHINEA PURPUREA	Kanchan	10	Flowering tree
8	MINUSOPS ELENGI	Bakul	28	Flowering Tree
9	CASSIA FISTULA	Bahwa	21	Flowering Tree
10	ERYTHRINA INDICA	Pangara	20	Bird attracting
11	ANTHOCEOHALLUS	Kadamb	17	Shady Tree with red yellow flowers
12	SERACA ASOKA	Sita Ashoka	16	Shady Tree with red yellow flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	---
2	IXORA MINI PINK	300 mm	---
3	AELAMENDA	300 mm	---
4	COTSNAIL, CLIMBER	300 mm	---
5	PISONIA ALBA	--	---
6	BLACLEANIA FICUS	--	---

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630 kVA
	<b>DG set as Power back-up during construction phase</b>	2 X 125kVA
	<b>During Operation phase (Connected load):</b>	2454KW
	<b>During Operation phase (Demand load):</b>	1636 kW
	<b>Transformer:</b>	4 X 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	3 X 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

18 Watt

- i) LED light fixtures in lieu of Tube light 40 watt = 1655 Nos.  
ii) VVVF drive for lift in lieu of star delta starter = 21 lifts

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55 %
2	VVVF drivers for lifts in lieu of star delta starter	35%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	23.32 Lakhs
	<b>O &amp; M cost:</b>	47793


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc	18
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

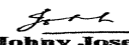
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	10	1
2	Green Belt development	Plantation	27	6

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Johny Joseph**  
**Shri. Johnny Joseph (Chairman SEAC-II)**

3	Solid Waste Management	OWC	30	8
4	Energy Saving Measures	Solar	23.32	0.48
5	Environmental Monitoring	Air, Noise, Water, Biological	--	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

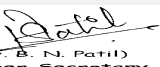
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

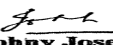
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4 Seperate Entry and Exit Will be Provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	6351.80 m2
	Area per car:	23.96sq.m
	Area per car:	23.96sq.m
	Number of 2-Wheelers as approved by competent authority:	26 Nos.
	Number of 4-Wheelers as approved by competent authority:	265 Nos.
	Public Transport:	N.A.
	Width of all Internal roads (m):	6 m driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	8A
	Court cases pending if any	N.A.
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3,  
 2017**

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**Johny Joseph**  
**Shri. Johny Joseph  
 (Chairman SEAC-II)**

	<b>Date of online submission</b>	02-05-2017
<b>Brief information of the project by SEAC</b>		
<p>PP Shri K.K Warkhedkar Chief Engineer, from City &amp; Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai &amp; Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.</p>		
<p>PP informed that project is for EWS &amp; LIG mass housing scheme at Sector 15, Plot 1 to 9, Kalamboli, Navi Mumbai. PP informed that proposed site does not attract CRZ provisions and site is not in CRZ areas as per the CZMP. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.</p>		
<p>PP stated that total plot area is 18581.51 sq. mt &amp; total construction area of the project (FSI + Non FSI) is 53454.02 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation &amp; plans submitted are taken on the record.</p>		
<p><b>During discussion following points emerged:</b></p>		
<b>DECISION OF SEAC</b>		
<p><i>After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.</i></p>		
<p><b>Specific Conditions by SEAC:</b></p>		
<ol style="list-style-type: none"> <li>1) CIDCO to submit plan for use of treated waste water generated from this scheme and indicate proposed re-use &amp; designated areas for reuse of water.</li> <li>2) PP to ensure that 10% of the net plot area is RG area and it should be on ground.</li> <li>3) PP, as ensured to provide treatment facility on site for biodegradable MSW and only inert material will be given to common facility.</li> <li>4) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.</li> <li>5) PP to indicate fire tender movement through SWEPT Path analysis on internal roads.</li> <li>6) PP to provide solar PV panels for lighting the common areas/open spaces. PP to also explore solar films for generating electricity from renewable sources.</li> </ol>		
<b>FINAL RECOMMENDATION</b>		
<p>SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions</p>		

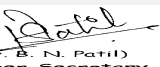


**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Proposed Housing Scheme Having EWS + LIG Type Tenements at Sector 10, Plot 2, Ghansoli, Navi Mumbai**General Information:**

1.Name of Project	Proposed Housing Scheme Having EWS + LIG Type Tenements at Sector 10, Plot 2, Ghansoli, Navi Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Superintending Engineer, City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai
4.Name of Consultant	M/s. Fine Envirotech Engineers, Mahim, Mumbai
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Sector 10, Plot-2, Ghansoli, Navi Mumbai
9.Taluka	Rabale
10.Village	Ghansoli
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	IOA - Commencement Certificate IOD/IOA/Concession/Plan Approval Number: --- Approved Built-up Area: 38699.09
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	---
15.Total Plot Area (sq. m.)	25800.00 sq.m.
16.Deductions	Not Applicable
17.Net Plot area	25800.00 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 38699.09 sq.m. b) Non FSI area (sq. m.): 35952.31 sq.m. c) Total BUA area (sq. m.): 74651.40 sq.m.
19.Total ground coverage (m2)	4785.79
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.55%
21.Estimated cost of the project	1629200000

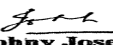
**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS - 5 Numbers	G+14	43.65 m
2	LIG C+R - 6 Numbers	G+14	44.235 m
3	LIG Residential - 1 Number	G + 7	23.56 m
4	LIG Residential - 3 Number	G+14	43.65 m
23.Number of tenants and shops	EWS - Not Exceeding 450 LIG - Not Exceeding 822, Shops-36+1=37 Total Tenants - 1272		
24.Number of expected residents / users	Residential (1272 x 5) = 6360 numbers & Commercial Shops = 123 numbers		
25.Tenant density per hectare	493		
26.Height of the building(s)			

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 54 Meeting Date: July 3, 2017**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m, 15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	1171
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1171
	Fire fighting - Underground water tank(CMD):	800
	Fire fighting - Overhead water tank(CMD):	320
	Excess treated water	Not Applicable
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	1151
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	1151
	Fire fighting - Underground water tank(CMD):	800
	Fire fighting - Overhead water tank(CMD):	320
	Excess treated water	Not Applicable
Details of Swimming pool (If any)	Not Applicable	

### 33.Details of Total water consumed

 <small>(Dr. B. N. Patil) Member, Secretary SEAC (MMR)</small> <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3, 2017</b>	<b>Page 90 of 104</b>	 <b>Johny Joseph</b> <b>Shri. Johnny Joseph (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		2 m to 4 m below ground level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Nil						
	<b>Location of the RWH tank(s):</b>		Not Applicable						
	<b>Quantity of recharge pits:</b>		2 Numbers						
	<b>Size of recharge pits :</b>		9 m x 4.5 m						
	<b>Budgetary allocation (Capital cost) :</b>		10 lakhs						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1 lakh						
	<b>Details of UGT tanks if any :</b>		NIL						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		18.64 cubic meter per min						
	<b>Size of SWD:</b>		450/600 mm wide						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		921						
	<b>STP technology:</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Capacity of STP (CMD):</b>		Sewage generated will be sent to nodal STP of CIDCO of 50 mld capacity						
	<b>Location &amp; area of the STP:</b>		Sewage generated will be sent to nodal STP of CIDCO						
	<b>Budgetary allocation (Capital cost):</b>		Not Applicable						
	<b>Budgetary allocation (O &amp; M cost):</b>		Not Applicable						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		The waste generation will be in the form of construction debris during construction phase and during operation phase domestic waste will be generated.						
	<b>Disposal of the construction waste debris:</b>		Construction debris will be disposed off through authorised contractor						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		1297 kg/day						
	<b>Wet waste:</b>		2063 kg/day						
	<b>Hazardous waste:</b>		NIL						
	<b>Biomedical waste (If applicable):</b>		NIL						
	<b>STP Sludge (Dry sludge):</b>		Not Applicable						
	<b>Others if any:</b>		NIL						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be disposed off through authorised contractor
	<b>Wet waste:</b>	Will be composted
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	1 No.
	<b>Area for the storage of waste &amp; other material:</b>	95 sq.m.
	<b>Area for machinery:</b>	25 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	40lakh
	<b>O &amp; M cost:</b>	11 lakh

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Proposed 3951.94 sq.m.
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	1 Tree for 80 sq.m. of Plot area = 323 Nos.
	<b>List of proposed native trees :</b>	PONGAMIA PINNATA, GMELIA ARBOREA, PUTRANJIVA ROXBURGHII, AZADIRACTA INDICA, MICHELIA CHAMPACA, FICUS RETUSA, BUTEA MONOSPERMA, ALBIZZIA LEBBEK , PARIJAT NYCTANTHES, BAUHINEA PURPUREA, CASSIA FISTULA, ALSTONIA SCHOLARIS, ERYTHRINA INDICA, ANTHOCEOHALUS KADAMB, SERACA ASOKA
	<b>Timeline for completion of plantation :</b>	1 Year From the Grant of EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	karanj	19	Shady tree
2	GMELIA ARBOREA	Shivan	21	Shady tree
3	PUTRANJIVA ROXBURGHII	Putranjiva	16	Shady tree
4	AZADIRACTA INDICA	Neem	14	Large tree, good for roadside plantation
5	MICHELIA CHAMPACA	Sonchapa	21	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
6	FICUS RETUSA	Nandruk	22	Shady tree
7	BUTEA MONOSPERMA	Palas	16	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
8	ALBIZZIA LEBBEK	Siris	20	Shady tree, yellowish green fragrant flowers
9	PARIJAT NYCTANTHES	Parijakta	28	Medium tree, good for roadside plantation
10	BAUHINEA PURPUREA	Kanchan	25	Small tree with small white flowers, butterfly host plant
11	CASSIA FISTULA	Bahwa	27	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
12	ALSTONIA SCHOLARIS	Satvin	32	Ever green tree with fregrant flowers
13	ERYTHRINA INDICA	Pangara	22	Medium sized deciduous tree. Bright scarlet flowers.
14	ANTHOCEOHALUS KADAMB	Kadamba	23	Shadt, large deciduous tree, fast growing graceful tree, ball shaped flowers
15	SERACA ASOKA	Sita Ashok	20	Shady tree with red yellow flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	CAESALPINIA PULCHERRIMA	1 MTRS.	---
2	IXORA MINI PINK	300 mm	---
3	AELAMENDA	300 mm	---
4	COTSNAIL	300 mm	---
5	PISONIA ALBA	---	---
6	BLACLEANIA FICUS	---	---

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630 kVA
	<b>DG set as Power back-up during construction phase</b>	2 x 125 kVA
	<b>During Operation phase (Connected load):</b>	3316 kW
	<b>During Operation phase (Demand load):</b>	2210 kW
	<b>Transformer:</b>	6 x 630 kVA
	<b>DG set as Power back-up during operation phase:</b>	3 x 125 kVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NIL

#### 48. Energy saving by non-conventional method:

LED light fixtures in line of Tube lights 40 w = 2250 Nos.  
VVVF drives for lifts in lieu of star delta starter = 29 Nos.

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights	55 %
2	VVVF drivers for lifts in lieu of star delta starter	35 %

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	32.15 lakh
	<b>O &amp; M cost:</b>	1.6 lakh


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc.	18
4	Occupation Health & Safety Training	Occupation Health & Safety Training	8

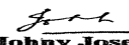
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	Recharge Pit	10	1
2	Green Belt development	Plantation and Green area development	27	6
3	Solid Waste Management	OWC	40	11

  
DR. B.N.Patil (Secretary SEAC-II)

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Shri. Johnny Joseph (Chairman SEAC-II)

4	Energy Saving Measures (Solar)	(Solar)	32.15	1.6
5	Environmental Monitoring	Air, Noise, Water, Biological	---	7.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

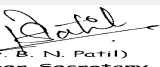
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

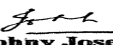
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	5 Separate entry and exit will be provided
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	8841.24
	Area per car:	23.96
	Area per car:	23.96
	Number of 2-Wheelers as approved by competent authority:	37
	Number of 4-Wheelers as approved by competent authority:	369
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-05-2017

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

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**Johnny Joseph**  
**Shri. Johnny Joseph  
 (Chairman SEAC-II)**

## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar, Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 10, Plot-2 Ghansoli, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 25800.00 sq. m & total construction area of the project (FSI + Non FSI) is 74651.40 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

**During discussion following points emerged:**

## DECISION OF SEAC


*After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.*

**Specific Conditions by SEAC:**

- 1) PP to ensure that width of the internal road for fire tender movement should be 9 m. And this should be in addition to parking area width (5 m) along the road. PP to submit revised plans indicating the same.
- 2) 3951.94 sq.mt. RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use of recycled water.
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits & indicate the location of tanks & reuse plan. Changes should be reflected in water budget & PP to submit the same.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan.

## FINAL RECOMMENDATION

SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)

**DR. B.N.Patil (Secretary  
SEAC-II)**

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**Johnny Joseph**

**Shri. Johnny Joseph  
(Chairman SEAC-II)**




**54th SEAC-II meeting Day-1 (3/7/2017)****SEAC Meeting number: 54 Meeting Date July 3, 2017****Subject:** Environment Clearance for Proposed housing scheme having EWS & LIG type tenements at sector - 29, plot-1, Talaja, Navi Mumbai.**General Information:**

1.Name of Project	City And Industrial Development Corporation Of Maharashtra Ltd. (CIDCO) Navi Mumbai CIDCO Bhavan, C.B.D. Belapur, Navi Mumbai
2.Type of institution	Government
3.Name of Project Proponent	Superintendent Engineer, City And Industrial Development Corporation Of Maharashtra Ltd. (CIDCO) Navi Mumbai CIDCO Bhavan, C.B.D. Belapur, Navi Mumbai
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	sector - 29, plot-1, Talaja, Navi Mumbai.
9.Taluka	Panvel
10.Village	Talaja
11.Area of the project	CIDCO of Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	IOA- Commencement Certificate IOD/IOA/Concession/Plan Approval Number: -- Approved Built-up Area: 38266.04
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	25511.46 sq.m
16.Deductions	00
17.Net Plot area	25511.46 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 38266.04 b) Non FSI area (sq. m.): 35423.83 c) Total BUA area (sq. m.): 73689.87
19.Total ground coverage (m2)	4792.89
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.79 %
21.Estimated cost of the project	1630400000

**22.Number of buildings & its configuration**

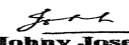
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS- 02 NOS	G+13	40.78
2	EWS- 03NOS	G+14	43.65
3	LIG C+R - 07	G+14	44.23
4	LIG RES- 01	G+7	23.56
5	LIG RES- 01	G+13	40.78
6	LIG RES- 01	G+14	43.65

23.Number of tenants and shops	tenants 1248, shops 44
24.Number of expected residents / users	6377
25.Tenant density per hectare	489
26.Height of the building(s)	

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

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(Chairman SEAC-II)**

27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30m., 20., 15m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32.Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	1151
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NIL
	Total Water Requirement (CMD) :	1151
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	300
	Excess treated water	NA
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	1131
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NIL
	Total Water Requirement (CMD) :	1131
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	300
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

### 33.Details of Total water consumed

 (Dr. B. N. Patil) Member, Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary          SEAC-II)</b>	<b>SEAC Meeting No: 54 Meeting Date: July 3,          2017</b>	<b>Page 98          of 104</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph          (Chairman SEAC-II)</b>
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Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		1m. to 2.5 m below ground level						
	<b>Size and no of RWH tank(s) and Quantity:</b>		NIL						
	<b>Location of the RWH tank(s):</b>		NA						
	<b>Quantity of recharge pits:</b>		3						
	<b>Size of recharge pits :</b>		9m x 4.5m						
	<b>Budgetary allocation (Capital cost) :</b>		15 lakh						
	<b>Budgetary allocation (O &amp; M cost) :</b>		1.5 lakh						
	<b>Details of UGT tanks if any :</b>		NIL						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Open storm water drain with grating						
	<b>Quantity of storm water:</b>		18.44 cubic m/min						
	<b>Size of SWD:</b>		450/600 mm widw						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		905						
	<b>STP technology:</b>		--						
	<b>Capacity of STP (CMD):</b>		--						
	<b>Location &amp; area of the STP:</b>		--						
	<b>Budgetary allocation (Capital cost):</b>		--						
	<b>Budgetary allocation (O &amp; M cost):</b>		--						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		wast generated during construction will be in the form of construction debris and during operation domestic waste will be generated						
	<b>Disposal of the construction waste debris:</b>		will be disposed off through authorized dealer						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		1278 kg/day						
	<b>Wet waste:</b>		2034 kg/day						
	<b>Hazardous waste:</b>		NA						
	<b>Biomedical waste (If applicable):</b>		NA						
	<b>STP Sludge (Dry sludge):</b>		--						
	<b>Others if any:</b>		--						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Will be given to authorized contractor
	<b>Wet waste:</b>	will be compost
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	1
	<b>Area for the storage of waste &amp; other material:</b>	95 sq. m.
	<b>Area for machinery:</b>	25 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	40
	<b>O &amp; M cost:</b>	11

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3838.08
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	319
	<b>List of proposed native trees :</b>	Ponagamia pinnata, Glemia Arborea,Putrinjiva Roxburghi,Michelia Champaka,Butea Monosperma, Albizzia lebbek, Bauhinia purpurea
	<b>Timeline for completion of plantation :</b>	1 year after grant of EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ponagamia pinnata	Karanj	61	Shady tree.
2	Glemia Arborea	Shivan	15	large shady tree
3	Putrinjiva Roxburghi	putranjiva	06	bird attracting tree
4	Michelia Champaka	Sonchafa	09	flowers with fregnance
5	Butea Monosperma	palas	15	flowers attract birds
6	Albizzia lebbek	Shirish	19	large shady tree
7	Bauhinia purpurea	Kanchan	56	Shady tree.
8	cassia fistula bahava	Bahava	13	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
9	erythrina indica	Pangara	03	flowers attract birds
10	anthocephalus	kadamb	03	Shady, large tree, ball shaped flowers
11	Seraca asoka	sita asoka	06	Shady tree with red-yellow flowers.
12	minusops elengi	bakul	105	Shady tree, small white fragrant flowers
13	Azadirachta indica	neem	08	Large tree, good for roadside plantation

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Caesalpinia pulcherrima	1 mtrs	--
2	Ixora mini pink	300 mm	--
3	Aelamenda	300 mm	--
4	Cotsnail	300 mm	--
5	psonia alba	--	--

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	630kW
	<b>DG set as Power back-up during construction phase</b>	2 x 125 KVA
	<b>During Operation phase (Connected load):</b>	3294.8 kw
	<b>During Operation phase (Demand load):</b>	2196.3
	<b>Transformer:</b>	7 x 630
	<b>DG set as Power back-up during operation phase:</b>	3 x 125 kva
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48. Energy saving by non-conventional method:

18 watt LED light fixture in lieu of tube light 40 W- 2335 nos  
V3F drive for lifts in lieu of star della starter - 29 lifts

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving in LED light	55%
2	Energy saving in V3F	35%

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	32.5 lakh
	<b>O &amp; M cost:</b>	1.6 lakh


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	18
2	Environmental Monitoring	Air, Noise, Water, Biological	12
3	Sanitary Facility and Waste Water Management etc.	--	18
4	Occupation Health & Safety Training	--	8

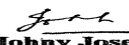
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting System	recharge pits	15	1.5
2	Green Belt development	--	27	6
3	Solid Waste Management	--	40	11

  
DR. B.N.Patil (Secretary SEAC-II)

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4	Energy Saving Measures (Solar)	--	32.13	1.6
5	Environmental Monitoring	(Air, Noise, Water, Biological)	--	8

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

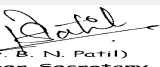
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

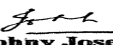
### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4 exit will be provided
Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	11201.30sq.m
	Area per car:	23.96 sq.m
	Area per car:	23.96 sq.m
	Number of 2-Wheelers as approved by competent authority:	46.no
	Number of 4-Wheelers as approved by competent authority:	468 no.
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

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**Johny Joseph**  
**Shri. Johny Joseph  
 (Chairman SEAC-II)**

## Brief information of the project by SEAC

Representative of PP Shri K.K Warkhedkar Chief Engineer, from City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO), Navi Mumbai & Architect Mr Khadilkar were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.

PP informed that project is for EWS mass housing scheme at Sector 29, Plot-1 Taloja, Navi Mumbai. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 25511.46 sq. mt & total construction area of the project (FSI + Non FSI) is 73689.87 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

**During discussion following points emerged:**

## DECISION OF SEAC

**After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.**

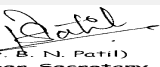
**Specific Conditions by SEAC:**

- 1) PP to ensure that width of the internal road for fire tender movement should be 6 m with turning radius of 9m. And this should be in addition to parking area width (5 m) along the road. PP to submit plans indicating the same.
- 2) 3838.08 sq.mt. RG on ground should be maintain by PP
- 3) PP to submit detail plan for re-use of recycled water.
- 4) PP to provide Rain water harvesting system along with storage tanks with two days storage capacity instead of recharge pits & indicate the location of tanks & reuse plan. Changes should be reflected in water budget & PP to submit the same.
- 5) PP to have roadside plantation with appropriate irrigation method to use treated water. And also to submit the detail plan.

## FINAL RECOMMENDATION

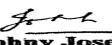
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA/2017/00016

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

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**Shri. Johnny Joseph  
(Chairman SEAC-II)**