

55th SEAC-II Meeting- Day-2 (29/9/2017)


SEAC Meeting number: 55 Meeting Date September 29, 2017

Subject: Environment Clearance for Expansion of "RUMAH BALI" Amalgamated with GB ONE At S. No. 98 H. No.1A, 3, S. No. 100/11/1, 100/11/2 H. No. 12A, 12 B, 14A, 14B, 15 A, 15 B, 17,18,19,20,21,22,23,24 N.S.No.101 H.NO.5, S.No.109/30/3, at village Bhayanderpada, Ghodbunder Road, Thane (W).

1.Name of Project	"RUMAH BALI" Amalgamated with GB ONE
2.Type of institution	Private
3.Name of Project Proponent	Puranik Builders Pvt. Ltd.
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project due to amalgumation of two plots
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	SEAC -2014/CR 21 /TC-1 dated 11th Dec, 2014 and F.No. 21-59/2014/-IA-III dated 18th June 2015
8.Location of the project	S. No. 98 H. No.1A, 3, S. No. 100/11/1, 100/11/2 H. No. 12A, 12 B, 14A, 14B, 15 A, 15 B, 17,18,19,20,21,22,23,24 N.S.No.101 H.NO.5, S.No.109/30/3, at village Bhayanderpada, Ghodbunder Road, Thane (W).
9.Taluka	Thane
10.Village	Bhayanderpada
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Approval/Permission from Thane Municipal Corporation IOD/IOA/Concession/Plan Approval Number: TMC/TDD/2049/17 dated 27.1.2017 Approved Built-up Area: 139685.04
13.Note on the initiated work (If applicable)	For Rumah Bali: Bldg A1, A2, B1 are completed & B2, B3 are under construction as per EC dated 11th Dec,2014. No construction has been started for GB One plot
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	51570.00 Sq.m.
16.Deductions	7516.65 Sq.m.
17.Net Plot area	35573.08 Sq.m. after deduction of 15% RG
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 93024.41 b) Non FSI area (sq. m.): 99022.964 c) Total BUA area (sq. m.): 192047.374
19.Total ground coverage (m2)	23419.97
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53
21.Estimated cost of the project	576.14

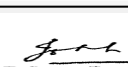
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	-	-	-
2	Building A1 and A2	St +29	87.40 m
3	Building B1	LG+UG/P+G/St/P+28	91.05 m
4	Building B2:	LG + UG1/1stP + UG2/2nd P + G/P + 28	91.95 m
5	Building B3,	LG + 1st P + 2nd P + G/P +28	91.95 m
6	Building A3, A4	LG + 1st P + 2nd P + G/P +35	109.15 m


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23.Number of tenants and shops	No. of tenements - 1618 No's
24.Number of expected residents / users	Residential 9076 No's Commercial 986 No's
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	plot is abutting to 60 m wide Ghodbunder Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min 7.5 m
29.Existing structure (s) if any	NA
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

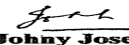
32.Total Water Requirement

Dry season:	Source of water	TMC/Recycled water
	Fresh water (CMD):	747
	Recycled water - Flushing (CMD):	388
	Recycled water - Gardening (CMD):	55
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1135+55
	Fire fighting - Underground water tank(CMD):	1200 Cum
	Fire fighting - Overhead water tank(CMD):	240 Cum
	Excess treated water	455 KLD


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Wet season:	Source of water	TMC/ Recycled water/ RWH
	Fresh water (CMD):	747
	Recycled water - Flushing (CMD):	388
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1135
	Fire fighting - Underground water tank(CMD):	1200 Cum
	Fire fighting - Overhead water tank(CMD):	240 Cum
	Excess treated water	549 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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


34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground water level was observed in the boreholes during fieldwork and after completion of boreholes. Ground water level was observed at 3.00 m in BH 1, BH 5 & BH 7, 7.00 m in BH 2 and water loss in BH 3, BH 4 & BH 6. However, for determination of more reliable ground water level long term observations in cased holes or open stand pipe piezometers are desirable
	Size and no of RWH tank(s) and Quantity:	Quantity of rainwater available for 2 days storage- 296 CUM
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	21
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	97.5 lakh
	Budgetary allocation (O & M cost) :	1.2 lakh / annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 118 m3, 207 m3, 2 m3 and 173 m3 Flushing UG tank Capacity: 59 m3, 104 m3, 1 m3 and 97 m3 Fire UG tank Capacity: 150 m3- 8 Nos

35.Storm water drainage	Natural water drainage pattern:	as per gravity
	Quantity of storm water:	actual discharge - 1.222 Cum/sec, calculated discharge- 1.602 Cum/sec
	Size of SWD:	width of drains- 1.05 meters, Depth of drains - 0.70 meters
Sewage and Waste water	Sewage generation in KLD:	987
	STP technology:	MBBR
	Capacity of STP (CMD):	240 m ³ + 410 m ³ + 355 m ³
	Location & area of the STP:	underground
	Budgetary allocation (Capital cost):	510 lakh
	Budgetary allocation (O & M cost):	22.7 lakh per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Steel - 550 MT, Block Work- 362 Sq.m., internal gypsum - 1723 Sq.m., internal plaster - 4300 sq.m., External plaster - 4300 Sq.m.flooring/tiling - 4300 Sq.m.
	Disposal of the construction waste debris:	steel - shall be sold to recycler, block work- shall be used paving, Internal Gypsum, Internal Plaster, External plaster - Plastering waste Shall be used for raft foundation, flooring / tiling- Tiles shall be used for china mosaic water proofing of terraces.
Waste generation in the operation Phase:	Dry waste:	1791 Kg/day
	Wet waste:	2501 Kg/day
	Hazardous waste:	shall be disposed off as per norms (if any)
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	generated from STP
	Others if any:	no
Mode of Disposal of waste:	Dry waste:	handover segregated wastes to authorized waste pickers or waste collectors as per the SOLID WASTE MANAGEMENT RULES,2016.
	Wet waste:	shall be treated in OWC
	Hazardous waste:	handover segregated wastes to authorized waste pickers or waste collectors as per the SOLID WASTE MANAGEMENT RULES,2016.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	shall be used as manure in landscaping
	Others if any:	No
Area requirement:	Location(s):	on ground
	Area for the storage of waste & other material:	187 m ²
	Area for machinery:	15 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	32.5 Lakh
	O & M cost:	5.4 Lakh/annum



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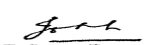

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37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)		
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Amount 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					
43. Green Belt Development		Total RG area :	10762.45 Sq.m.				
		No of trees to be cut :	as per tree NoC- 73 Nos				
		Number of trees to be planted :	971 Nos				
		List of proposed native trees :	enclosed as below				
		Timeline for completion of plantation :	till completion of construction phase				
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	Plumeria rubra	chafa	88	flowering tree			
2	Spathodea	Nandi Flame	88	ornamental tree			


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3	Lagerstroemia speciosa	Tamhan	88	ornamental tree
4	Bahunia	Butterfly tree	88	ornamental tree
5	Casia Fistula	golden rain tree	88	Noise Reduction /Shade giver
6	Neolamarckia cadamba	Kadamb	88	Noise Reduction /Shade giver
7	Albizia saman	rain tree	88	Noise Reduction /Shade giver
8	Manilkara zapota	chikoo	88	Fruit Bearing tree/shade giver
9	Pisonia Alba	evergreen shrub	88	ornamental tree
10	Plumeria alba	evergreen shrub	88	ornamental tree
11	Casuarina equisetifolia	Austrelian pine tree	91	coastal 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	as per recomendatio	-	-

47.Energy


Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	413.92 kW
	DG set as Power back-up during construction phase	2 Nos - 200 kVA, 1 Nos - 180 kVA, 1 Nos - 40 kVA
	During Operation phase (Connected load):	7148.04 kW
	During Operation phase (Demand load):	3643.77 kW
	Transformer:	6 Nos of 990 kVA (2 nos of 990 kVA provided for building No A1, A2 and B1)
	DG set as Power back-up during operation phase:	2 Nos - 125 kVA, 1 Nos - 160 kVA, 1 Nos - 320 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Enclosed below

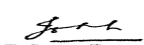
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By using LED/ T5 fluorescent lamps	1.16%
2	Providing Solar water heater	3.36 %
3	By using LED lamps for street lighting.	0.12 %


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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:	197 Lakhs
	O & M cost:	1.3 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	8
2	noise Environment	Noise Baricades and Green Belt Developments	9
3	Water Environment	Modular STP , Drainage with sedimentation tanks	6
4	Good Health Practices	Site Sanitation & Health Care	6
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	4

b) Operation Phase (with Break-up):


Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	97.5	1.2
2	Land Environment	OWC	32.5	5.4
3	Water Environment	STP	510	22.7
4	Land Environment	Green belt development	132	26.4
5	Energy System	Energy system	197	1.3
6	Risk Assesment	DMP	1333.6	41

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

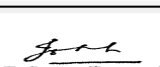
52.Any Other Information

No Information Available


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53.Traffic Management


	Nos. of the junction to the main road & design of confluence:	60 M wide GB road
Parking details:	Number and area of basement:	Basement in type C - 1 Basement ---5748 Sq.m.
	Number and area of podia:	30905.25 Sq.m
	Total Parking area:	56105.5 Sq.m.
	Area per car:	33 Sq.m.
	Area per car:	33 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	1665 nos
	Number of 4-Wheelers as approved by competent authority:	1699 nos
	Public Transport:	NA
	Width of all Internal roads (m):	more than 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	out of SGNP as per ESZ notification dated 5th Dec 2016
	Category as per schedule of EIA Notification sheet	8 b
	Court cases pending if any	no
	Other Relevant Informations	project was granted TOR in 45th SEAC II and EIA has been prepared accordingly
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-02-2015

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

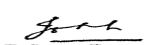
Specific Conditions by SEAC:


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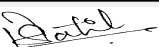

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FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEAC-AGENDA-00000000034



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Subject: Environment Clearance for Expansion of Project 'Runwal Anthurium & Runwal Square' - Residential and Commercial project at CTS No. 884 A, 884B, 884C of village Mulund (West) at LBS Marg, Tal- Kurla, Dist-Mumbai.

1.Name of Project	Expansion of Project 'Runwal Anthurium & Runwal Square' Residential and Commercial project
2.Type of institution	Private
3.Name of Project Proponent	M/s Runwal Developers Pvt. Ltd.
4.Name of Consultant	Project Proponent : M/s. Runwal Developers Pvt. Ltd.; Project Architect :Mr. Manoj V. Daisaria; Environmental Consultant: M/s. Enviro Analyst & Engineers Pvt. Ltd.; MEP Consultant : M/s. Eskayem Consultants Pvt. Ltd.
5.Type of project	Residential And Commercial 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	At plot bearing CTS No. 884 A, 884B, 884C of village Mulund (West) at LBS Marg, Tal- Kurla, Dist-Mumbai.
9.Taluka	Kurla
10.Village	Mulund (west)
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Earlier EC : SEAC-2212/cr-153/TC-2 dtd 17th February 2014
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 154579.88
13.Note on the initiated work (If applicable)	1,45,133.05 sq.m. of construction work as per Earlier EC under no : SEAC-2212/cr-153/TC-2 dtd 17th February 2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	32747.30 sq.m.
16.Deductions	Road set back area : 1003.80 sqm; Recreation ground : 8580.90 sqm; Deduction for 15% RG : 3474.39 sqm
17.Net Plot area	19688.20 sqm
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 72417.97 sqm
	b) Non FSI area (sq. m.): 82161.91 sqm
	c) Total BUA area (sq. m.): 154579.88
19.Total ground coverage (m2)	12433.68
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53.68%
21.Estimated cost of the project	3941200000

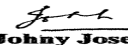
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential	-	-
2	Tower 1	2B+2P+1 Stilt+28 Floors+ 1 FC Floor	101.60
3	Tower 2	2B+2P+1 Stilt+28 Floors+1 FC Floor	101.60
4	Tower 3	2B+2P+1 Stilt+35 Floors+1 FC Floor	126.30


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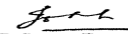
5	Tower 4	2B+2P+1 Stilt+35 Floors+1 FC Floor	126.30	
6	Commercial	-	-	
7	R-Square	2B+2P+1 Ground floor + 11 Floors	59.72	
8	Retail Block	2B+ Gr. + 1Floor	9.30	
23.Number of tenants and shops		Residential Tenements : 526 Nos. Shops : 24 Nos. Offices : 132 Nos.		
24.Number of expected residents / users		Residential : 3250 Nos.; Commercial : 3900 Nos.		
25.Tenant density per hectare		267		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		30.50m Lal Bahadur Shastri Road		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		6m		
29.Existing structure (s) if any		Residential - Tower 1: 2B+2P+1 Stilt+28 Floors+ 1 FC Floor ; Tower 2: 2B+2P+1 Stilt+28 Floors+1 FC Floor ; Tower 3: 2B+2P+1 Stilt+35 Floors+1 FC Floor ; Tower 4: 2B+2P+1 Stilt+35 Floors+1 FC Floor; Commercial - R-Square: 2B+2P+1 Ground floor + 7 Floors ; Retail Block: 2B+ Gr. + 1Floor		
30.Details of the demolition with disposal (If applicable)		The site has temporary store rooms and site office during construction phase, which will be demolished.		
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				


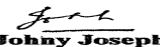
Dry season:	Source of water	MCGM / Recycled water								
	Fresh water (CMD):	369								
	Recycled water - Flushing (CMD):	235								
	Recycled water - Gardening (CMD):	29								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	635								
	Fire fighting - Underground water tank(CMD):	400-Residential; 200-Commercial								
	Fire fighting - Overhead water tank(CMD):	120-Residential(30kld /Tower); 30-Commercial								
	Excess treated water	208								
Wet season:	Source of water	MCGM / Recycled water/ RWH								
	Fresh water (CMD):	369								
	Recycled water - Flushing (CMD):	235								
	Recycled water - Gardening (CMD):	NA								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	604								
	Fire fighting - Underground water tank(CMD):	400 -Residential; 200-Commercial								
	Fire fighting - Overhead water tank(CMD):	120-Residential(30kld /Tower); 30-Commercial								
	Excess treated water	237								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
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	


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4-5m	
	Size and no of RWH tank(s) and Quantity:	2 nos. of 40' x 10' x 10' ; 1 no. of 60' x 10' x 10'	
	Location of the RWH tank(s):	1no. in front of bldg 1 &3 ; 1 no. in front of bldg.2 ; 1 no. in front of bldg.4 & 5 at Basement 1 level	
	Quantity of recharge pits:	9 nos	
	Size of recharge pits :	1 mt. x 1mt. x 1.50 mt.	
	Budgetary allocation (Capital cost) :	20 Lakhs	
	Budgetary allocation (O & M cost) :	1 lakh/annum	
	Details of UGT tanks if any :	Domestic Water tank- 256 Flushing tank-136 RWH tank-130 Fire tank-500 Located at Basement 1 Level	
35.Storm water drainage	Natural water drainage pattern:	As per Natural Slope of site	
	Quantity of storm water:	1119cum/hr	
	Size of SWD:	varies at different locations	
Sewage and Waste water	Sewage generation in KLD:	525	
	STP technology:	MBBR	
	Capacity of STP (CMD):	STP Capacity of Residential: 400 KLD ; STP Capacity of Commercial : 130 KLD	
	Location & area of the STP:	Basement level-2 ; Total Area Provided : 120sq.m.	
	Budgetary allocation (Capital cost):	130 lakhs	
	Budgetary allocation (O & M cost):	15 Lakhs/annum	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavation Quantity: Nil as the work is already executed on site.	
	Disposal of the construction waste debris:	Construction waste shall be used on site and remaining shall be sold to recyclers.	
Waste generation in the operation Phase:	Dry waste:	1332 Kg/day	
	Wet waste:	1268 Kg/day	
	Hazardous waste:	NA	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	STP Sludge 23 Kg/day	
	Others if any:	Garden Waste : 22 kg/day	
 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 29, 2017	Page 13 of 68	 Johny Joseph Shri. Johny Joseph (Chairman SEAC-II)

Mode of Disposal of waste:	Dry waste:	To be hand over to Local Recyclers for recycling
	Wet waste:	Utilized as manure through Organic Waste composting machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	Garden waste to be used as a manure
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	Total area provided for storage and treatment of solid waste : 100 sqm
	Area for machinery:	Total area provided for storage and treatment of solid waste : 100 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20 lakhs
	O & M cost:	3 lakhs/annum

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

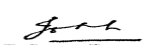
40.Details of Fuel to be used

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		


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43.Green Belt Development	Total RG area :	5790.65 sqm
	No of trees to be cut :	69
	Number of trees to be planted :	Trees to be retained-172 Nos; Trees to be transplanted- 25 Nos.; Total no of new trees proposed: 328 Nos; Total no of trees on site after development : 525 Nos.
	List of proposed native trees :	As mentioned in the List of proposed plantation on ground
	Timeline for completion of plantation :	At the time of completion of the project

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	23	As mentioned
2	Cassia fistula	Bahawa	35	As mentioned
3	Pongamia pinnata	Karanj	38	As mentioned
4	Michelia champaca	Son chafa	40	As mentioned
5	Lagerstomia flosreginea	Tamhan	33	As mentioned
6	Albizia lebbeck	Shirish	30	As mentioned
7	Polyalthia longifolia	Ashok	63	As mentioned
8	Murraya paniculata	Kunti	66	As mentioned
9	TOTAL	TOTAL	328	As mentioned

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	As per recommendations	As per recommendations	As per recommendations

47.Energy

Power requirement:	Source of power supply :	M.S.E.D.C.L
	During Construction Phase: (Demand Load)	200KW
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	Residential : 1558 KW ; Commercial : 2380 KW
	During Operation phase (Demand load):	Residential : 920 KW ; Commercial : 1728 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Residential - 1 X 500 KVA ; Commercial - 1 x 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- 1) CFL Lamps ,LED Lamps and Solar Lighting
- 2) EFF1 motors & VFDs
- 3) EFF1 motors & Demand control ventilation
- 4) EFF1 motors & VFDs
- 5) Solar water heater

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	•Total energy savings for the project:	20.1 %

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:	53 Lakhs
	O & M cost:	20 Lakhs/annum

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Water for Dust Suppression	0.50
2	Site Sanitation & Safety	Site Sanitation & Safety	3.36


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3	Environmental Monitoring	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	0.75
4	Disinfection	Disinfection	1.80
5	Health Check up	Health Check up	1.68
6	Total Cost	Total Cost	8.09

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	Sewage Treatment Plant	130	15
2	RWH System	RWH System	20	1
3	Solid Waste Management	Solid Waste Management	20	3
4	Solar Energy System	Solar Energy System	53	20
5	Landscaping	Landscaping	551	27
6	Total	Total	774	66

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:	30.50m Lal Bahadur Shastri Road
---------------------------------------------------------------	---------------------------------

Parking details:	Number and area of basement:	2 Basements on each tower of residential : 28804.5 sqm ; 2 Basements on R-Square Building : 7021.25 sqm
	Number and area of podia:	2 Podia on each Tower of Residential : 13916.86 sqm ; 2 Podia on R-Square Building : 4414.11 sqm
	Total Parking area:	47028.22 sqm
	Area per car:	33.6 sqm
	Area per car:	33.6 sqm
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	1172 residential car parks + 480 MCGM Car Parks
	Public Transport:	30 LCV parking for MCGM
	Width of all Internal roads (m):	6 mt wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Vihar lake at an aerial distance of 2.84km towards West. The proposed project site is at an aerial distance of 0.82km from the boundary of Sanjay Gandhi National Park and hence does not fall under Eco Sensitive Zone (as per ESZ Notification dtd 5th December 2016).
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-11-2016
Brief information of the project by SEAC		

PP, Ms Pallavi Matkari was present during the meeting along with environmental consultant M/s Enviro Analysts & Engineers Pvt.Ltd.

PP informed that EC was received vide letter dated 26/5/2010 & revised EC on 17/2/2014 for the Total Construction area 1,49,536.18 sq. m. PP stated that, Proposal is for expansion of the project due to increase in the fungible FSI area. there is no change in building configuration & building footprint for both residential & commercial component of the project.

PP stated that now the total plot area is 32,747.30 sq.m, FSI area 72417.91 sq.m & total construction area is 1,54,579.88 sq.m. (FSI- 72417.91 sq.mt + Non FSI- 82,161.91 sq.mt).

The project proposal was discussed on the basis of the draft ToR for expansion of the residential and commercial project, 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. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC


After discussion, ToR presented by PP was approved with following additional ToR:

Specific Conditions by SEAC:

- 1) PP to submit and upload IOD/Plans for proposed expansion.
- 2) Committee noted that, 3 buildings received the OC & OC for 1 building will be received soon. PP to submit Performance report of the installed STP.
- 3) PP to submit EC compliance for the EC issued.
- 4) PP to increase renewable energy component for the expansion component.
- 5) PP to submit light & ventilation analysis, Shadow analysis, traffic & Evacuation time analysis, SWEPT PATH analysis.
- 6) PP to submit & upload the project specific quantitative EMP & DMP.
- 7) PP to upload Fire NoC/HRC NoC.
- 8) PP to also refer ToR standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
- 9) PP to upload the plans , duly stamped & signed , submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in

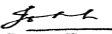
FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.


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

55th SEAC-II Meeting- Day-2 (29/9/2017)


SEAC Meeting number: 55 Meeting Date September 29, 2017

Subject: Environment Clearance for Expansion of 'Atmosphere' Residential Development Project

1.Name of Project	Atmosphere Residential Development Project
2.Type of institution	Private
3.Name of Project Proponent	M/s Atmosphere Realty Pvt. Ltd
4.Name of Consultant	Municipal Architect - M/s Space Age Consultants; Design Architect - M/s Sandeep Shikre & Associates; Structural Consultant - M/s J+W Consultants LLP; Environmental Consultant - M/s Enviro Analysts and Engineers Pvt. Ltd.; Traffic Consultant - M/s GMD Engineering Consultants Pvt. Ltd.; DMP Consultant - M/s Bonde Technical Services; Geotechnical Consultant - M/s Global Geotechnics ; MEP Consultant - M/s Pankaj Dharkar & Associates; Landscape Consultant - M/s WAHO Landscape Architects
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing Residential Development Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, environmental clearance has been obtained earlier for existing project. The EC letter (SEAC-2015/CR-41/TC-1) received dtd 1st February 2016.
8.Location of the project	At plot CTS no. 784/1, 785, 786, 788, 790, 791, 792A, 793 & 848 of village Nahur, Mumbai
9.Taluka	Nahur
10.Village	Nahur
11.Area of the project	MCGM (Municipal Corporation of Greater Mumbai)
12.IOD/IOA/Concession/Plan Approval Number	IOD Approval No : Tower 1 - CE/5230/BPES/AT; Tower 2 - CE/5231/BPES/AT IOD/IOA/Concession/Plan Approval Number: IOD Approval No : Tower 1 - CE/5230/BPES/AT; Tower 2 - CE/5231/BPES/AT Approved Built-up Area: 260976.70 sq.m
13.Note on the initiated work (If applicable)	For Tower-I (Wings A,B and C), RCC work is completed till 37th floor for wings A & B & till 32nd floor for Wing C. Also, 2 nos. basements + Ground + 3 nos. podiums + Landscape podium has been completed. Construction work for Tower II (Wings D,E,F,G) has not started so far.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD Approval No : Tower 1 - CE/5230/BPES/AT Tower 2 - CE/5231/BPES/AT
15.Total Plot Area (sq. m.)	56509.50
16.Deductions	12312.48
17.Net Plot area	44197.02
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 113174.30 b) Non FSI area (sq. m.): 147802.40 c) Total BUA area (sq. m.): 260976.70
19.Total ground coverage (m2)	19380.39
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43.85%
21.Estimated cost of the project	15500000000

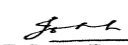
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1(Wing A,B,C)	2B+St+ 1st Podium + 2nd to 4th (Pt) Podiums + 5th to 43rd Floors with fire check floor between 21st & 22nd Floor and G +2nd (Pt.) Amenity block with Club-house on podium top.	141.35


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2	Tower 2 (Wing D,E,F,G)	Basement+ G+2P+St +1st to 35th Floors & fire check & service floor in between 18th & 19th Floor	127.25	
3	NA	NA	NA	
23.Number of tenants and shops	Residential - 1191 Flats			
24.Number of expected residents / users	Residential -5955 no's			
25.Tenant density per hectare	269			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	45.70 m wide Goregaon Mulund link Road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Mtrs			
29.Existing structure (s) if any	There are 3 structures on site. (1 industrial shed and two ground structures) The industrial shed has been demolished.			
30.Details of the demolition with disposal (If applicable)	The demolition waste shall be disposed off at designated unloading site.			
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 / treated water from STP							
	Fresh water (CMD):	550							
	Recycled water - Flushing (CMD):	275							
	Recycled water - Gardening (CMD):	92							
	Swimming pool make up (Cum):	600 (Tanker Water)							
	Total Water Requirement (CMD) :	917							
	Fire fighting - Underground water tank(CMD):	950							
	Fire fighting - Overhead water tank(CMD):	350 (50000 LTS. for each Tower)							
	Excess treated water	277							
Wet season:	Source of water	MCGM/RWH/ treated water from STP							
	Fresh water (CMD):	395 (MCGM) + 155 (RWH)							
	Recycled water - Flushing (CMD):	275							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	600							
	Total Water Requirement (CMD) :	825							
	Fire fighting - Underground water tank(CMD):	950							
	Fire fighting - Overhead water tank(CMD):	350 (50000 LTS. for each Tower)							
	Excess treated water	369							
Details of Swimming pool (If any)	Tanker water shall be used for swimming pool.								
33.Details of Total water consumed									
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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3.00 m depth from existing ground level.
	Size and no of RWH tank(s) and Quantity:	Tower 1 : 140 KLD x 1nos. ; Tower 2 : 170 KLD x 1nos.
	Location of the RWH tank(s):	Tower 1 : RWH Tank is located at Basement 1 & 2 level; Tower 2 : RWH Tank is located at Basement 1 level
	Quantity of recharge pits:	Recharge Pits not provided
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	0.50 Crores
	Budgetary allocation (O & M cost) :	2.5 lakhs/annum
	Details of UGT tanks if any :	Tower 1 : Capacity of Domestic Water Tank - 324 cum Capacity of Flushing Water Tank - 162 cum Capacity of Fire Water Tank - 400 cum Capacity of Rain Water Harvesting Tank - 140 cum Location of tank - UG Tank is located at Basement 1 & 2 level Tower 2 : Capacity of Domestic Water Tank - 212 cum Capacity of Flushing Water Tank - 106 cum Capacity of Fire Water Tank - 450 cum Capacity of Rain Water Harvesting Tank - 170 cum Location of tank - UG Tank is located at Basement 1 level
35.Storm water drainage	Natural water drainage pattern:	East to West
	Quantity of storm water:	4.084 cum/sec
	Size of SWD:	0.45 m X 0.45m, 0.45 m X 0.9m
Sewage and Waste water	Sewage generation in KLD:	715
	STP technology:	MBBR
	Capacity of STP (CMD):	Tower 1: 430 KLD ; Tower 2 : 300 KLD
	Location & area of the STP:	1st Basement Level for both Towers 1 & 2; 386 sqm for Tower 1; 268sqm for Tower 2
	Budgetary allocation (Capital cost):	1.45 Crores
	Budgetary allocation (O & M cost):	11.5 lakhs /annum
36.Solid waste Management		

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Soil was excavated for construction of basements of Tower 1 is already transported and disposed off at designated unloading site.; Quantity of the top soil (200 cum) to be preserved for landscaping.; 35,415 cum excavated material which will be generated in the process of reformation of levels, pile foundation etc out of which 5,312 cum of Excavation shall be used for backfilling and for the purpose of constructing internal roads and rest quantity of 30,103 cum shall be sent for disposal to autho
	Disposal of the construction waste debris:	The broken tiles generated to be used as china mosaic for terrace.Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers.;
Waste generation in the operation Phase:	Dry waste:	1191
	Wet waste:	1786
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	57.2 sq.m.
	Area for machinery:	5.56 sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	0.54 Crores
	O & M cost:	15 lakhs /annum


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			



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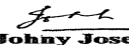

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38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
39.Stacks emission Details							
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					
43.Green Belt Development		Total RG area :	Proposed RG area on Ground(Tower 1 & 2) -11,486.73 Sqm.(25.98%); Proposed RG area on Podium(Tower 1)- 3,871.36Sqm (8.76%); Total Proposed RG Area-15,358.09 Sqm				
		No of trees to be cut :	0				
		Number of trees to be planted :	716 Nos of trees				
		List of proposed native trees :	As listed in List of proposed plantation on ground				
		Timeline for completion of plantation :	At the time of completion of project				
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	15	Tree has medicinal value			
2	Anthocephalus Cadamba	Kadamb	14	Evergreen Tropical Tree			
3	Alzibia Lebbeck	Shirish	16	Tree has medicinal value			
4	Mangifera Indica	Amba	20	Tree has medicinal value			
5	Delonix Regia	Gulmohar	8	Ornamental Tree			
6	Putranjiva Roxburgii	Putrajeevak	21	Tree has medicinal value			
7	Mechelia Champaca	Sonchafa	17	Flowering Tree			
8	Tabebuia Argentia	Silver trumpet tree	45	Flowering Tree			
9	Lagestroemia Speciosa	Jarul	19	Flowering Tree			
10	Erythrina Indica	Mandar/Pangara	42	Flowering Tree			
11	Mimusops Elengi	Bakul	35	Tree has medicinal value			
12	Plumeria Alba	Chafa	50	Ornamental Tree			


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13	Bauhinia Purperia	Raktachandan	45	Fragrant Tree
14	Pisonia Alba	Moonlight Tree	55	Birdcatching tree
15	Mesua Ferrea	Nagchampa	52	Ornamental Tree
16	Dypsis lutescens	Areca palm	58	Ornamental Tree
17	Caryota Urens	Fishtail palm	62	Ornamental Tree
18	Roystonea Regia	Royal palm	52	Ornamental Tree
19	Phonix Dectilifera	Date Palm	60	Ornamental Tree
20	Cassia Fistula	Bahava	30	Tree has medicinal value
21	Total	NA	716	

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	As per recommendations	NA	NA

47.Energy


Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	300kW
	DG set as Power back-up during construction phase	250kVA
	During Operation phase (Connected load):	19.97 MW
	During Operation phase (Demand load):	6.66 MW
	Transformer:	Tower 1-1000kva x 3; Tower 2 : 1000kva x 2
	DG set as Power back-up during operation phase:	2 nos. of 750KVA; 2 nos. of 500KVA
	Fuel used:	High Speed Diesel
Details of high tension line passing through the plot if any:	LOC No. 18 to 19 of 220KV Kalwa - Borivali & Mulund - Bhandup GIS D/C line of MSEDCL	

48.Energy saving by non-conventional method:

Providing 25% of street lighting on solar; Savings due to capacitors for common area load and club house load ; Savings due to use of VFD driven hydropneumatic plumbing systems and LIFTS @ 25% minimum; Savings due to Providing timers for 3 time zones - 4 hours 100% lighting / 4 hours 50% lighting and 4 hours 25% lighting for 12 hour lighting cycle for common / parking and street lighting - hence overall savings shall be 40%; Savings due to electronic ballast; Savings due to lamp

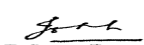
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Tower 1	Saving Units
2	Savings due to lamp	1620.4 units


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3	Savings due to electronic ballast	833.35
4	Savings due to timer / sensor	419.68
5	Savings due to use of VFD driven hydropneumatic plumbing systems and LIFTS @ 25% minimum	2175.80
6	Savings due to solar lighting	30
7	Savings due to capacitors for common area load and club house load	1353.03
8	Average KWH/Annum Saving	2347772.92
9	AVERAGE ANNUAL ENERGY SAVINGS IN %:	20.28%
10	Tower 2	Saving Units
11	Savings due to lamp	1757.18
12	Savings due to electronic ballast	903.69
13	Savings due to timer / sensor	576
14	Savings due to use of VFD driven hydropneumatic plumbing systems	1,405.50
15	Savings due to solar lighting	40
16	Savings due to capacitors for common area load	1095.61
17	Average KWH/Annum Saving	2108961.69
18	AVERAGE ANNUAL ENERGY SAVINGS IN %	21.81%

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:	1.75 Crores
	O & M cost:	10.8 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	Water Environment	Water for Dust Suppression	5
2	Site Sanitation & Safety	Site Sanitation & Safety	2
3	Environmental Monitoring	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	4
4	Disinfection	Disinfection	1
5	Health Check up	Health Check up	2
6	Total Cost	Total Cost	14

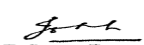
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	145	11.5
2	Water Environment	Rain water harvesting	50	2.5
3	Energy	Energy Saving	175	10.8


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4	Landscaping	Gardening	100	10
5	Solid Waste Management	OWC	54	15
6	Disaster Management	Fire fighting equipments	240	11.5
7	Total	NA	764	61.3

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

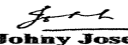
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is accessed by 45.70 m wide Mulund Goregaon link road on west side.
Parking details:	Number and area of basement:	Tower 1: Number of basement - 2 nos (11,419.15 SQM) ; Tower 2 : Number of basement - 1 no (12,390.41 SQM)
	Number and area of podia:	Tower 1: Number of podia - 3 nos (22,335.39 SQM) ; Tower 2 : Number of podia - 2 nos (50,132.66 SQM)
	Total Parking area:	Tower 1: 29,407.83 SQM ; Tower 2 : 55,890.40 SQM
	Area per car:	Tower 1(sq.m.) : BASEMENT1 - 33.52; BASEMENT2- 34.29; GROUND FLOOR- 34.70; 1st PODIUM- 32.19; 2nd PODIUM- 32.38 ; 3rd PODIUM- 29.98 ; Tower 2(sq.m.) : BASEMENT1-34.45; GROUND FLOOR- 32.51; 1st PODIUM- 30.24; 2nd PODIUM- 32.10
	Area per car:	Tower 1(sq.m.) : BASEMENT1 - 33.52; BASEMENT2- 34.29; GROUND FLOOR- 34.70; 1st PODIUM- 32.19; 2nd PODIUM- 32.38 ; 3rd PODIUM- 29.98 ; Tower 2(sq.m.) : BASEMENT1-34.45; GROUND FLOOR- 32.51; 1st PODIUM- 30.24; 2nd PODIUM- 32.10
	Number of 2-Wheelers as approved by competent authority:	400 nos.
	Number of 4-Wheelers as approved by competent authority:	Parking required : 2066 nos. ; Parking provided : 2156 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m,7.5m and 12m wide
	CRZ/ RRZ clearance obtain, if any:	NA


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	The project site is 1.84 Km away (aerial distance) from Sanjay Gandhi National Park. The project doesn't fall under the ecosensitive zone as per ESZ notification dated 5th Dec, 2016
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-11-2016

Brief information of the project by SEAC

PP, Mr. Avinash Lad was present during the meeting along with environmental consultant M/s. Enviro Analysts and Engineers Pvt.Ltd. PP informed that, the proposal is for expansion with increase in total built up area from 2,60,837.71 Sq.m. to 2,60,976.70 Sq.m. and there is change in building configuration of Tower I & II. Tower I (Wing A,B & C) will be increased from 37 floors to 43 floors and Tower II (Wings D,E,f & G) will be reduced from 42 floors to 35 floors. PP stated that the total construction work done on site till date is 1,03,555.53 Sq.m.

Committee noted that TOR was approved in 2012. EC was received vide letter dated 26/6/2013 and revised EC received on 1/2/2016 for total built up area 2,60,837.71 Sq.m. Committee also noted that, the validity of baseline data was expired. In response to this, PP informed that EIA submitted & presented to committee was prepared considering the baseline of 2016 basis based on earlier TOR.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. PP submitted EIA report in the meeting. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 29, 2017	Page 29 of 68	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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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 covering above the STP on ground level flooring in building No 2 should be removed to have more ventilation.
- 2) PP to ensure that 10% energy conservation should be through renewable sources. PP to revise the energy calculations & submit the same.
- 3) PP to submit approval to the amended plans before the SEIAA. And upload the concession plans.
- 4) PP to submit & upload EC compliance report, as discussed in the meeting.
- 5) As agreed, PP to retain area ad-measuring 12119.00 Sq.m. as a RG on ground as per earlier EC. PP to upload the revised RG statement.
- 6) PP to upload EIA report which was presented before SEAC-II, on website.
- 7) PP to submit letter of commitment for drinking water to the project from Municipal Corporation.
- 8) PP to submit & upload revised evacuation time calculations.
- 9) PP to submit & upload all approvals, NOC received for revised proposed expansion.
- 10) Hon'ble High Court has put a ban on new constructions in MCGM area. Building permissions may be considered by the Local Body strictly adhering to High Court's order
- 11) PP to upload the plans duly stamped & signed submitted for approval to the local body, EIA report, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in

FINAL RECOMMENDATION

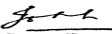
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000034


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55th SEAC-II Meeting- Day-2 (29/9/2017)


SEAC Meeting number: 55 Meeting Date September 29, 2017

Subject: Environment Clearance for PROPOSED HOUSING PROJECT by M/s. Gundecha Construction Pvt. Ltd at Plot Bearing G.No. 153, 154 & 157 at village - Nandore, District - Palghar, 401404

1.Name of Project	PROPOSED HOUSING PROJECT
2.Type of institution	Private
3.Name of Project Proponent	M/s. Gundecha Construction Pvt. Ltd
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
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	Plot Bearing G.No. 153, 154 & 157 at village - Nandore, District - Palghar, 401404
9.Taluka	palghar
10.Village	Nandore
Correspondence Name:	M/s. Gundecha Construction Pvt. Ltd
Room Number:	801
Floor:	8th
Building Name:	hubtown solaris
Road/Street Name:	NS Phadke Marg
Locality:	Andheri East
City:	Mumbai
11.Area of the project	Collector Palghar
12.IOD/IOA/Concession/Plan Approval Number	- IOD/IOA/Concession/Plan Approval Number: - Approved Built-up Area: 154052.92
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.)	1,47,678.50 Sq.mt
16.Deductions	15,460.00 Sq.mt
17.Net Plot area	1,32,218.50 Sq.mt
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,54,052.92Sq.mt b) Non FSI area (sq. m.): 55,828.08 Sq.mt c) Total BUA area (sq. m.): 209881
19.Total ground coverage (m2)	19987.48 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.1 % on Net plot area.
21.Estimated cost of the project	1000000000

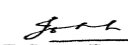
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 to 21	Stilt + 7 floors	23.65mtr
2	Building 22	Stilt + 4 floors	13.5 mtr
3	School Building	Gr. + 3 floors	11.92 mtr


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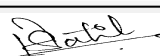
23.Number of tenants and shops	Residential Tenements:- 3714 No's Shops:- 129 No's
24.Number of expected residents / users	Residential users - 18570 Nos. Shops / Floating :- 384 No's School:1100No's
25.Tenant density per hectare	295 tenant / hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18.00 m wide village road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	>7.5 m
29.Existing structure (s) if any	Vacant Land
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

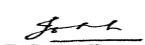
32.Total Water Requirement

Dry season:	Source of water	Water Resource Department, GoM / Recycled water
	Fresh water (CMD):	1708 KLD
	Recycled water - Flushing (CMD):	888 KLD
	Recycled water - Gardening (CMD):	51 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2647 KLD
	Fire fighting - Underground water tank(CMD):	1689 KL & 912 KL
	Fire fighting - Overhead water tank(CMD):	23CUM
	Excess treated water	1228


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Wet season:	Source of water	Water Resource Department, GoM / Recycled water
	Fresh water (CMD):	1708 KLD
	Recycled water - Flushing (CMD):	888 KLD
	Recycled water - Gardening (CMD):	00 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2596 KLD
	Fire fighting - Underground water tank(CMD):	1689 KL & 912 KL
	Fire fighting - Overhead water tank(CMD):	23CUM
	Excess treated water	1279
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

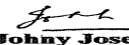
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2.00 m to 4.10 m
	Size and no of RWH tank(s) and Quantity:	665 cum for 2 days storage. No. of tanks proposed - 2 Nos
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 177 Lakhs
	Budgetary allocation (O & M cost) :	Rs.8.9 Lakhs/ year
	Details of UGT tanks if any :	Lower ground floor

35.Storm water drainage	Natural water drainage pattern:	as per gravity
	Quantity of storm water:	Total storm water runoff:- 1.736 cum
	Size of SWD:	Storm water drain channel of 600 mm wide X 600 mm Wide


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Sewage and Waste water	Sewage generation in KLD:	2408 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Capacity of STP - 1 No. of 730 KLD 1 No. of 170 KLD Grey Treatment Plant:- 1 No. 1290 KLD, 1 No. 300 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 363 Lakhs
	Budgetary allocation (O & M cost):	Rs. 91 Lakhs/ year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Steel - 200 MT, Block Work - 5000 Sq.m. , Internal Gypsum - 958 Sq.m., Internal Shaft - 45316 Sq.m., External Plaster - 40000 Sq.m., Flooring /Tiling /Dado - 10000 Sq.m., Internal Painting - 4730 Nos, Windows -380 Sq.m. Door Frame/shutter - 380 Nos
	Disposal of the construction waste debris:	Steel -Shall be sold to recycler , Block Work -Shall be used for paving , Internal Gypsum , Internal Shaft , External Plaster -Plastering waste Shall be used for raft foundation , Flooring /Tiling /Dado -Tiles shall be used for china mosaic water proofing of terraces. Internal Painting - Paint cans shall be sold to authorized recyclers. Windows and door frame- Shall be sold to authorized recycler
Waste generation in the operation Phase:	Dry waste:	3885 Kg/day
	Wet waste:	5724 Kg/day
	Hazardous waste:	If generated shall be disposed off as per rules
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Handed over to authorized recycler for further handling and disposal
	Wet waste:	Will be converted to compost using Organic Waste Composter [OWC].
	Hazardous waste:	If generated shall be disposed off as per rules
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	NA
Area requirement:	Location(s):	ground
	Area for the storage of waste & other material:	156 sq.mt including storage and machinery
	Area for machinery:	156 sq.mt including storage and machinery
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 20.00 Lakhs
	O & M cost:	Rs 4.00 Lakhs/yr.

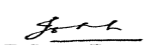
37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
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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

43.Green Belt Development	Total RG area :	13,222.00 Sq.mt
	No of trees to be cut :	nil
	Number of trees to be planted :	600
	List of proposed native trees :	enclosed below
	Timeline for completion of plantation :	till the completion of construction phase

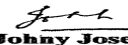
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Leucaena leucocephala	Subabul	15	farm forestry tree in the coastal areas. It is one of the fast growing hardy evergreen species.
2	Ficus giomerata	Umber	30	Trees help prevent water pollution
3	Cocos nucifera	Coconut tree	35	coastal tree
4	Delonix regia	Gulmohar	42	evergreen tree


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5	Trema orientalis	Janglichery	55	shady
6	Plockton	Bokedu	35	shady
7	Ficus religiosa	Pipal	16	large tree, shady, water holding capacity.
8	Ficus benghalensis	Wad	33	large tree, shady, water holding capacity.
9	Sterculia foetida	Shaver	40	ornamental tree
10	Caryo taurens	Fishtal palm	35	ornamental
11	Syzygium cumini	Jampul	45	fruit bearing
12	Terminalla cattapa	Badam	44	fruit bearing
13	Anacardium occidentale	Cashew	53	fruit bearing
14	Putranjiva roxburghii	Putranjiva	39	evergreen tree
15	Azadirachta indica	Neem	30	evergreen tree
16	Saracaindica (Fabaceae)	Ashoka	20	evergreen tree
17	Magnifera indica	Mango	29	Fruit bearing
18	Senna siamea	Cassia seamia / Kassod	30	evergreen tree
19	Ficus benjamina	Ficus	10	evergreen tree
20	Anno reticulata	Ramphal	10	Fruit bearing
21	Artocarpus heterophyllus	Fanas/ Jackfruit	10	Fruit bearing
22	Butea Monosperma	Palas	5	evergreen 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	-	-	-

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	11913MW
	During Operation phase (Demand load):	25445 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	180 - Kva-1 no, 75- Kva-5nos, 30 - Kva-1 no, 50- Kva-1no.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Overall Saving for the Project - 18.7 %

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Saving for the Project	18.7 %

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:	Rs. 293 Lakhs
	O & M cost:	Rs. 21 Lakhs/ year


51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Land Environment	Water Sprinkling	5
2	Environmental Monitoring	Environmental Monitoring	4
3	Health Checkup	Health Checkup	2
4	Site sanitation	Site sanitation	2
5	Disinfection	Disinfection	2

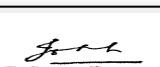
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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**Shri. Johnny Joseph
(Chairman SEAC-II)**

1	Water Environment	Rain Water Harvesting	177	8.9
2	Land Environment	MSW	20	4
3	water Environment	STP (including civil cost)	363	91
4	Land Environment	Landscaping	132	15
5	Energy saving Measures	Energy saving Measures	293	21

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:	Nandore Road
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	14,007.3 sq.mt.
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	4661 no's
	Number of 4-Wheelers as approved by competent authority:	260 no's
	Public Transport:	NA
Width of all Internal roads (m):	Min 12 m wide internal roads	
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA as per ESZ notification dated 5th Dec, 2016
	Category as per schedule of EIA Notification sheet	8 b
	Court cases pending if any	NO
	Other Relevant Informations	Presented in 50th SEAC II meeting. Draft Compliance is attached.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-05-2015

Brief information of the project by SEAC

PP, Mr. Kunal Doshi was present during the meeting along with environmental consultant M/s. Enviro Analysts and Engineers Pvt.Ltd.

PP stated the total plot area is 1,47,678.50 sq. m, FSI area 1,54,052.92 sq.m & total construction area is 2,09,881 sq.m. (FSI- 1,54,052.92 sq.mt + Non FSI- 83,632.29sq.mt).

The project proposal was discussed on the basis of presentation made and documents, EIA submitted by the proponent. It is noted that the project is earlier considered in 42nd & 50th (Part B) meetings of SEAC II. TOR was approved in 42nd meeting. During 50th (Part B) meeting committee noted there was not a single permission received from concern authorities, therefore it was decided to reconsider the project afresh after submission of the compliance. PP submitted EIA report.

PP submitted EIA report in the meeting. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 29, 2017	Page 39 of 68	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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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 possibility of providing 2 toilet blocks with overhead water tank each in nearby Padas under CSR activity.
- 2) PP to recycle/reuse the treated water around 939 KLD. PP to submit & upload the copy of agreement undertaken with owner of Sr.No 146 for utilisation of treated water for agriculture use.
- 3) PP to ensure that BOD of treated water should be less than 5 mg/lit.
- 4) PP to submit & upload project specific EMP & DMP based on SOP.
- 5) PP to upload form 1, form 1A & EIA report on website.
- 6) 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
- 7) PP to upload the plans duly stamped & signed submitted for approval to the local body, EIA report, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in

FINAL RECOMMENDATION

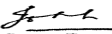
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000035


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

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(Chairman SEAC-II)**

55th SEAC-II Meeting- Day-2 (29/9/2017)


SEAC Meeting number: 55 Meeting Date September 29, 2017

Subject: Environment Clearance for Environmental Clearance for Amalgamation & Expansion of Residential Project - Unique Vista at Plot Bearing S No. 59A/2B, 59A/16B 1/1/1, 59A/16B-2, G.no. 59A/2/G-1, G.No.59A/2/G/2 ,Village Chittalsar, Mandpada, Thane

1.Name of Project	Amalgamation & Expansion of Residential Project - Unique Vista at Plot Bearing S No. 59A/2B, 59A/16B 1/1/1, 59A/16B-2, G.no. 59A/2/G-1, G.No.59A/2/G/2 ,Village Chittalsar, Mandpada, Thane
2.Type of institution	Private
3.Name of Project Proponent	M/s. Shree Developers
4.Name of Consultant	M/s.Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	MHADA
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	EC received dtd 29th April 2011 under vide letter no. SEAC 2010/CR-691/TC-2
8.Location of the project	Plot Bearing S No. 59A/2B, 59A/16B 1/1/1, 59A/16B-2, G.no. 59A/2/G-1, G.No.59A/2/G/2
9.Taluka	Thane
10.Village	Chittalsar, Mandpada
Correspondence Name:	M/s Shree Developers.
Room Number:	Harsh Plaza
Floor:	1st Floor
Building Name:	Poonam Vihar Complex
Road/Street Name:	Opp. Shanti Nagar, Sector 2,
Locality:	Mira Road - (E) - 401 107.
City:	Thane
11.Area of the project	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	CC Received under letter no. V.P.No.S04/0019/10 TMC/TDD/1430/15 dtd 10.06.2015 IOD/IOA/Concession/Plan Approval Number: CC Received under letter no. V.P.No.S04/0019/10 TMC/TDD/1430/15 dtd 10.06.2015 Approved Built-up Area: 228484.75
13.Note on the initiated work (If applicable)	Work Started as per the previous EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	50023.00 sq.m
16.Deductions	24780.92
17.Net Plot area	24019.98
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,08,394.45 b) Non FSI area (sq. m.): 1,20,090.30 c) Total BUA area (sq. m.): 228484
19.Total ground coverage (m2)	38732.80
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	77.43 %
21.Estimated cost of the project	3460000000

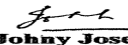
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale bldg 1	LG + St + 28 (pt) floors	84.85


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SEAC (MMR)
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2	Sale bldg 2	LG + St + 28 floors	84.85
3	Sale bldg 3	3LG +Upper St/Gr + 29 floors	87.75
4	Sale bldg 4	3LG +Upper St/Gr + 29 floors	87.75
5	Sale bldg 5	3LG +Upper St/Gr + 29 floors	87.75
6	MHADA Building (1-7)	Gr/St + 30 floors	90.30
7	Sub plot B - Bldg 1	Gr/St + 1 (Pt) + 2 to 5 + 6 (Pt) floors	19.30

23.Number of tenants and shops	<p>SUB PLOT A: MHADA Buildings: Residential: 1173 nos. Shops: 23 nos.</p> <p>Sale Buildings: Residential: 1295nos. Shops: 9 nos.</p> <p>SUB PLOT : Residential: 23 nos. Shops: 6 nos.</p> <p>Total: 2529nos.</p>
24.Number of expected residents / users	MHADA Buildings: Residential: 5865 nos. Shops: 69 nos. Sale Buildings: Residential: 6475 nos. Shops: 45 nos. Sub Plot B: Residential: 1175 nos. Shops: 30 nos. Total: 13659 nos.
25.Tenant density per hectare	1038 tenant density /hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	The access to the plot is through 40 mtr wide access road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 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	TMC/Recycled water							
	Fresh water (CMD):	1126							
	Recycled water - Flushing (CMD):	5563							
	Recycled water - Gardening (CMD):	35							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	1724							
	Fire fighting - Underground water tank(CMD):	1800 cum							
	Fire fighting - Overhead water tank(CMD):	360 cum							
	Excess treated water	881							
Wet season:	Source of water	TMC/Recycled water							
	Fresh water (CMD):	1126							
	Recycled water - Flushing (CMD):	5563							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD) :	1689							
	Fire fighting - Underground water tank(CMD):	1800							
	Fire fighting - Overhead water tank(CMD):	360							
	Excess treated water	1357							
Details of Swimming pool (If any)	Not Applicable								
33.Details of Total water consumed									
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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2 m
	Size and no of RWH tank(s) and Quantity:	13 nos. of tank with total capacity of 299 Cum (2 day storage)
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 1.14 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.11 Lakhs
	Details of UGT tanks if any :	Domestic tank: Sale Bldg -861 cum, MHADA bldg - 795 cum Flushing tank: Sale Bldg -444 cum, MHADA bldg - 397 cum
35.Storm water drainage	Natural water drainage pattern:	SW to NE
	Quantity of storm water:	0.94 m3/sec
	Size of SWD:	600 mm X 1300 mm
Sewage and Waste water	Sewage generation in KLD:	Sale: 789 KLD ; MHADA Bldg : 702 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Sale: 814 KLD & 17 KLD; MHADA Bldg : 738 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs. 313.80 Lakhs
	Budgetary allocation (O & M cost):	Rs.31.38 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
Waste generation in the operation Phase:	Dry waste:	490 kg/day
	Wet waste:	746 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	75
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Will be handed over to Local Recyclers.
	Wet waste:	Will be composted in organic waste converters
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening.
	Others if any:	NA
Area requirement:	Location(s):	Ground level
	Area for the storage of waste & other material:	47.03
	Area for machinery:	2.78
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.5.4 lakh
	O & M cost:	Rs.1.18 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

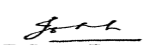
40. Details of Fuel to be used

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		


 (Dr. B. N. Patil)
 Member Secretary
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43.Green Belt Development	Total RG area :	5808.46 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	290
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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	Ficus religiosa	Peepal tree	15	Evergreen tree
2	Azadirachta indica	Neem tree	35	Evergreen Tree
3	Delonix regia	Gulmohar	23	Flowering Tree
4	Melia azadiracta	Pride of India	47	Ornamental Tree
5	Albizia saman	Rain Tree	14	Flowering plant
6	Erythrina variegata	Indian coral tree	20	Flowering plant
7	Ficus bengalensis	Banyan tree	19	Evergreen tree
8	Tamarandus indicum	Tamarind	65	fruiting tree
9	Terminalia arjuna	Arjun Tree	19	fruiting tree
10	Putranjiva roxburghii	Patravanti	22	Flowering tree
11	Pongamia pinnata	Indian Beech tree	17	Ornamental 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	NA	NA	NA

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	11434.46 KW
	During Operation phase (Demand load):	6979.18 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	2 X 400 KVA, 3 X 500 KVA & 1 X 160 KVA, 6 X 400 KVA & 1 X 625 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Solar hot water system, LED lights in common areas.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	.

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:	Rs. 147 Lakh
	O & M cost:	Rs. 7.3 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	Air	Water for Dust Suppression	2.00
2	EHS	Site Sanitation	2.00
3	Environmental Monitoring	Environmental Monitoring	6.00
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	1.5

b) Operation Phase (with Break-up):


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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	1.14	0.11
2	Water Environment	STP	313.80	31.38
3	Energy	Solar System	147	7.3
4	Solid Waste Management	OWC	5.4	1.18
5	Land Environment	Landscaping	151.13	30.22

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 nos. of Entry & exit
Parking details:	Number and area of basement:	32283.05
	Number and area of podia:	NA
	Total Parking area:	48455.70 sq.m
	Area per car:	32 sq.m
	Area per car:	32 sq.m
	Number of 2-Wheelers as approved by competent authority:	1357
	Number of 4-Wheelers as approved by competent authority:	1069
	Public Transport:	Nil
Width of all Internal roads (m):	minimum 6.00 m	
	CRZ/ RRZ clearance obtain, if any:	NA


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

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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - abutting the plot
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	The application is for ToR.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s Enviro Analysts & Engineers Pvt.Ltd. PP informed that EC was received vide letter dated 4/2/2013 for the Total Construction area 1,80,043.40 Sq.m. PP stated that, Proposal is for amendment & expansion of the project due to amalgamation of the neighboring plot. PP proposes to increase 5 nos. of floors in MHADA buildings, addition of Basement in 3 Sale buildings (Building 5). Total construction area after proposed expansion will be 2,28,484.75 sq.m.

PP stated that now the total plot area is 50,023.00 sq.m, FSI area 1,08,394.45 sq.m & total construction area is 2,28,484.75 sq.m. (FSI- 1,08,394.45 sq.mt + Non FSI- 1,20,090.30 sq.mt).

The project proposal was discussed on the basis of the draft ToR for amendment & expansion of the project, 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. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 29, 2017	Page 49 of 68	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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55th SEAC-II Meeting- Day-2 (29/9/2017)


SEAC Meeting number: 55 Meeting Date September 29, 2017

Subject: Environment Clearance for expansion of "Redevelopment Project" On plot bearing C.T.S.No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East

1.Name of Project	Expansion of "Redevelopment Project" On plot bearing C.T.S.No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East
2.Type of institution	Private
3.Name of Project Proponent	M/s. Rustomjee Constructions Pvt. Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003,Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com.; info@eaapl.com
5.Type of project	A Residential redevelopment Project. MCGM DCR 33 (5)
6.New project/expansion in existing project/modernization/diversification in existing project	expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC recieved vide letter no. SEAC-III-2014/CR-274/TC-1 dated 1.02.2016
8.Location of the project	Plot bearing C.T.S. No's 648 (pt), The M.I.G. Co-operative Housing Society, Group IV Ltd., Gandhi Nagar, Bandra East
9.Taluka	Gandhi Nagar
10.Village	Bandra
Correspondence Name:	Chandresh D. Mehta
Room Number:	702
Floor:	702, Natraj, M.V. Road Junction W.E. Highway, Andheri (E), Mumbai
Building Name:	Natraj
Road/Street Name:	M.V. Road Junction W.E. Highway
Locality:	702, Natraj, M.V. Road Junction W.E. Highway, Andheri (E), Mumbai
City:	Mumbai
11.Area of the project	MCGM (Municipal Corporation of Greater Mumbai)
12.IOD/IOA/Concession/Plan Approval Number	IOD recieved 4.10.2016
	IOD/IOA/Concession/Plan Approval Number: CHE/WS/0953/H/337 (NEW)
	Approved Built-up Area: 97861.98
13.Note on the initiated work (If applicable)	53466.22 sqm constructed on site as per EC received dated 01.02.2016 for construction area 125362.00
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter received from MHADA NO.Co/MB/REE/NOC/F-457/821/2017 dated 13.06.2017
15.Total Plot Area (sq. m.)	15445.08
16.Deductions	nil
17.Net Plot area	15445.08
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 84278.09
	b) Non FSI area (sq. m.): 68259.91
	c) Total BUA area (sq. m.): 152538
19.Total ground coverage (m2)	5685.33
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36.81%
21.Estimated cost of the project	4850000000

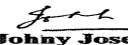
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A,B ,C, D, E & F	3 B + Gr + 25 Upper Floors	83.05 M


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

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23.Number of tenants and shops	779 No's
24.Number of expected residents / users	3895 no's
25.Tenant density per hectare	504/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	The site is accessible from 27.4m wide Nana Dharmadhikari Marg (north), 18.30m wide Madhusudhan Kalelkar Marg (south) & 9.00 m wide internal road (east and west)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	The project has access through internal Straight spine of 6.00 mt and 27.4m wide Nana Dharmadhikari Marg (north), 18.30m wide Madhusudhan Kalelkar Marg which are abutting and both 9.00m wide roads on east and west.
29.Existing structure (s) if any	Basement =1.5 Wing A=0 floors Wing B=18 floors Wing C=18 floors Wing D =0 floors Wing E=10 floors Wing F=6 floors
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

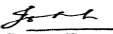
32.Total Water Requirement

Dry season:	Source of water	MCGM / treated water from STP
	Fresh water (CMD):	351 KLD
	Recycled water - Flushing (CMD):	175 KLD
	Recycled water - Gardening (CMD):	30 KLD
	Swimming pool make up (Cum):	.
	Total Water Requirement (CMD):	556 KLD
	Fire fighting - Underground water tank(CMD):	600 KL
	Fire fighting - Overhead water tank(CMD):	270 KL
	Excess treated water	221 KLD


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Wet season:	Source of water	MCGM/RWH/ treated water from STP
	Fresh water (CMD):	351 KLD
	Recycled water - Flushing (CMD):	175 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	.
	Total Water Requirement (CMD) :	526 KLD
	Fire fighting - Underground water tank(CMD):	600 KL
	Fire fighting - Overhead water tank(CMD):	270 KL
	Excess treated water	251 KLD


Details of Swimming pool (If any)

33.Details of Total water consumed

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


34.Rain Water Harvesting (RWH)

Level of the Ground water table:	2.5 m - 5.0 m bgl
Size and no of RWH tank(s) and Quantity:	1 nos of 150 KLD
Location of the RWH tank(s):	lower Basement level
Quantity of recharge pits:	nil
Size of recharge pits :	nil
Budgetary allocation (Capital cost) :	Rs 10 lakhs
Budgetary allocation (O & M cost) :	Rs 1.0 lakhs
Details of UGT tanks if any :	Domestic Water Tank =360 KL Flushing Water Tank =180 KL Fire Water Tank = 600 KL Rain Water Harvesting Tank =150 KL Location of tank is lower Basement level


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35.Storm water drainage	Natural water drainage pattern:	SE to NW
	Quantity of storm water:	0.19 m3/sec
	Size of SWD:	0.45m (wide) x 0.45m (deep)
Sewage and Waste water	Sewage generation in KLD:	474 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	520 KLD
	Location & area of the STP:	1st and 2nd Basement level
	Budgetary allocation (Capital cost):	Rs 40 lakhs
	Budgetary allocation (O & M cost):	Rs 4 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	60000 empty cement bags,600 empty cans
	Disposal of the construction waste debris:	- Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers, Broken Tiles to be used as china mosaic for terrace
Waste generation in the operation Phase:	Dry waste:	779 Kg/day
	Wet waste:	1169 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Will be handed over to Local Recyclers for recycling
	Wet waste:	Will be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as a manure
	Others if any:	NA
Area requirement:	Location(s):	ground level
	Area for the storage of waste & other material:	20 sqm
	Area for machinery:	3 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 40 lakhs
	O & M cost:	Rs 3.5 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

43.Green Belt Development

Total RG area :	The provided RG area is 5363.05 Sq.mt on ground against the required RG area i.e.1117 sqm
No of trees to be cut :	219 existing trees, 127 to be cut/transplanted & 92 trees to be retained as per Tree NOc recieved
Number of trees to be planted :	268 no's of trees
List of proposed native trees :	stated below
Timeline for completion of plantation :	by the end of construction phase

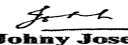
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Plumeria alba	Chapha	20	ornamental
2	Plumeria rubra	Deo chapha	25	ornamental
3	Michelia champaca	Son chapha	16	ornamental


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4	Cordyline australis	Club Palm	20	ornamental
5	Bauhinia blakeana	Kanchan	15	ornamental
6	Lagerstroemia speciosa	Taman	20	ornamental
7	Areca catechu	Betel Palm	20	ornamental
8	Sesbania grandiflora	Grandifolia	18	ornamental
9	Caryota urens	Solitary Fish tail Palm	20	ornamental
10	Nyctanthes arbor tristis	Parijat	20	ornamental
11	Filicium decipiens	Fern Tree	18	ornamental
12	Cordia sebastena	Lal lasoda	18	ornamental
13	Brownea coccinea	Scarlet Flame Bean	16	shadey ,ornamental
14	Hyophorbe lagenicaulis	Champagne Palm tree	22	ornamental
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	NA

47.Energy

Power requirement:	Source of power supply :	TATA/Reliance
	During Construction Phase: (Demand Load)	80 kw
	DG set as Power back-up during construction phase	100 kva
	During Operation phase (Connected load):	13758 KW
	During Operation phase (Demand load):	6218 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 no. x 900 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA


48.Energy saving by non-conventional method:

T-5 lamps with Electronic Ballast
Solar Light with LED fixture
Hot water requirement met through solar water heating
The Lift system shall be on VFD that would result in considerable energy saving as compared to conventional lifts.
Voltmeter/Ammeters for monitoring power system
Designing APFC panel to improve power factor


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49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures		Saving %	
1	Total savings in %		20%	
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:	Rs 60 lakhs		
	O & M cost:	Rs. 0.6 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	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	5	
2	Noise Environment	Noise Baricades and Green Belt Developments	15	
3	Water Environment	Modular STP , Drainage with sedimentation tanks	15	
4	Good Health Practices	Site Sanitation & Health Care	10	
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	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	waste water management	STP Cost	40	4
2	Solid Waste Management	OWC	35	3.5
3	Green Belt development	Green Belt development	15	0.3
4	Rain water harvesting	Rain water harvesting	10	1.0
5	soalr savings	Energy Efficient equipment's	60	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

	Nos. of the junction to the main road & design of confluence:	The proposed project is connected by 27.4m wide Nana Dharmadhikari Marg (north), 18.30m wide Madhusudhan Kalelkar Marg (south) & 9.00 m wide internal road (east and west)
Parking details:	Number and area of basement:	3no.(148510.45sqm)
	Number and area of podia:	NIL
	Total Parking area:	32956.95 sqm
	Area per car:	22.89 sq.m
	Area per car:	22.89 sq.m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	1440 nos
	Public Transport:	NA
	Width of all Internal roads (m):	6m wide internal roads
	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(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA


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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-06-2017
Brief information of the project by SEAC		
DECISION OF SEAC		
PP was absent; hence the project is deferred.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days		

SEAC-AGENDA-0000000034

55th SEAC-II Meeting- Day-2 (29/9/2017)


SEAC Meeting number: 55 Meeting Date September 29, 2017

Subject: Environment Clearance for application for ToR for Expansion of star category Hotel at CST no. 71/A, village Paspoli, Saki Vihar Road, Powai

1.Name of Project	Expansion of star category Hotel at CST no. 71/A, village Paspoli, Saki Vihar Road, Powai
2.Type of institution	TOR
3.Name of Project Proponent	M/s Chalet Hotel Pvt. Ltd. Raheja Tower ,Plot No C-30, G Block , Opp SIDBI, near Bank of Baroda, BKC, 400051
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003,Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com.; info@eaapl.com
5.Type of project	Star category Hotel
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC letter no. No. 21-228/2007-IA.III dated December 24, 2007.
8.Location of the project	CST no. 71/A, village Paspoli, Saki Vihar Road, Powai
9.Taluka	mumbai
10.Village	powai
Correspondence Name:	Mr. Ramesh Valecha
Room Number:	-
Floor:	6th floor
Building Name:	Raheja Tower
Road/Street Name:	Raheja Tower ,Plot No C-30, G Block , Opp SIDBI, near Bank of Baroda, BKC,
Locality:	BKC
City:	Mumbai
11.Area of the project	MCGM (Municipal Corporation of Greater Mumbai)
12.IOD/IOA/Concession/Plan Approval Number	Building No 3 CE/857/BPWS/AS dated 10/12/2012 , Building No 4 CE/1009/BPES/AS 28/09/2012 IOD/IOA/Concession/Plan Approval Number: Building No 3 CE/857/BPWS/AS dated 10/12/2012 , Building No 4 CE/1009/BPES/AS 28/09/2012 Approved Built-up Area: 105051
13.Note on the initiated work (If applicable)	Building no 1 and part of building no 2 already existed on site prior to MoEF notification 07.07.2004. Additional four floor over existing building no 2 and work up to plinth level for building no 3 have been constructed on site as per EC dated 24th December, 2007 received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC and others approvals have been obtained for existing development. .
15.Total Plot Area (sq. m.)	60,888.62
16.Deductions	.
17.Net Plot area	51,616.31
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 105,051.25 b) Non FSI area (sq. m.): 131,538.02 c) Total BUA area (sq. m.): 236589
19.Total ground coverage (m2)	28,761.89
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47.24%
21.Estimated cost of the project	6020000000

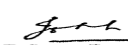
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Hotel Building No.:02	As extension of four floor over existing building as per EC dated 24th December, 2007. This phase has been not applicable for current submission.	
2	Hotel Building No.:03	Lower Basements + Upper Basement + Mid Upper Basement + Ground + 9 Podium + 20 Typical Floors	113.4 m
3	Hotel Building No.:04	2 Basements + Ground + 5 Podium + 14 Typical Floors	84.6 m
23.Number of tenants and shops		Banquets=728.12 (2 Nos.) Restaurants= 520 (1 Nos.) Hotel Rooms =837 (Building 03) 164 (Building 04)	
24.Number of expected residents / users		6095 no's	
25.Tenant density per hectare		-	
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		The plot is accessible through 12 M wide right of way off 27.45 mt. wide Saki Vihar Road at east side and 36.60 mt wide DP road at north side of plot.	
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9.00 m	
29.Existing structure (s) if any		Building no 1 and part of building no 2 already existed on site prior to MoEF notification 07.07.2004. Additional four floor over existing building no 2 and work up to plinth level for building no 3 have been constructed on site as per EC dated 24th December, 2007 received.	
30.Details of the demolition with disposal (If applicable)		Not applicable	
31.Production Details			
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)
1	Not applicable	Not applicable	Not applicable
32.Total Water Requirement			

Dry season:	Source of water	MCGM / treated water from STP								
	Fresh water (CMD):	745 KLD								
	Recycled water - Flushing (CMD):	786 KLD								
	Recycled water - Gardening (CMD):	80 KLD								
	Swimming pool make up (Cum):	6 KLD								
	Total Water Requirement (CMD) :	1611 KLD								
	Fire fighting - Underground water tank(CMD):	400 KL								
	Fire fighting - Overhead water tank(CMD):	100 KL								
	Excess treated water	detailed study to be done during EIA								
Wet season:	Source of water	MCGM/RWH/ treated water from STP								
	Fresh water (CMD):	745 KLD								
	Recycled water - Flushing (CMD):	786 KLD								
	Recycled water - Gardening (CMD):	0 KLD								
	Swimming pool make up (Cum):	6 KLD								
	Total Water Requirement (CMD) :	1531KLD								
	Fire fighting - Underground water tank(CMD):	400 KL								
	Fire fighting - Overhead water tank(CMD):	100 KL								
	Excess treated water	detailed study to be done during EIA								
Details of Swimming pool (If any)	6 KLD water requirement									
33.Details of Total water consumed										
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	


34. Rain Water Harvesting (RWH)	Level of the Ground water table:	detailed study to be done during EIA
	Size and no of RWH tank(s) and Quantity:	108 KL
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	detailed study to be done during EIA
	Size of recharge pits :	detailed study to be done during EIA
	Budgetary allocation (Capital cost) :	detailed study to be done during EIA
	Budgetary allocation (O & M cost) :	detailed study to be done during EIA
	Details of UGT tanks if any :	Domestic Water Tank =1490 KL Flushing Water Tank =1572 KL Fire Water Tank= 400 Kl Rain Water Harvesting Tank =108 KL Location of tank= Basement

35. Storm water drainage	Natural water drainage pattern:	Will be studied during EIA
	Quantity of storm water:	Will be studied during EIA
	Size of SWD:	Will be studied during EIA

Sewage and Waste water	Sewage generation in KLD:	766 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	810 KLD
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Will be studied during EIA
	Budgetary allocation (O & M cost):	Will be studied during EIA

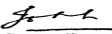
36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Will be studied during EIA
	Disposal of the construction waste debris:	Will be studied during EIA
Waste generation in the operation Phase:	Dry waste:	1066 Kg/Day
	Wet waste:	457 Kg/Day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be studied during EIA
	Others if any:	Will be studied during EIA


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Mode of Disposal of waste:	Dry waste:	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	Not Applicable
Area requirement:	Location(s):	ground
	Area for the storage of waste & other material:	Will be studied during EIA
	Area for machinery:	Will be studied during EIA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Will be studied during EIA
	O & M cost:	Will be studied during EIA

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

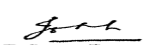
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Not applicable
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42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	RG area provided for the project is 15295.9 sqm.		
	No of trees to be cut :	Will be studied during EIA		
	Number of trees to be planted :	Will be studied during EIA		
	List of proposed native trees :	Will be studied during EIA		
	Timeline for completion of plantation :	Will be studied during EIA		
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	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA
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	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA	
47.Energy				
Power requirement:	Source of power supply :	TATA POWER merged with MCDPL		
	During Construction Phase: (Demand Load)	100 KW		
	DG set as Power back-up during construction phase	100 Kva		
	During Operation phase (Connected load):	14210 kW		
	During Operation phase (Demand load):	8565 kW		
	Transformer:	Not applicable		
	DG set as Power back-up during operation phase:	For bldg. no. 3- 4 nos of 2000 KVA and For bldg. no. 4- 2 nos of 1250 KVA for DG		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	Not applicable		
48.Energy saving by non-conventional method:				
Will be studied during EIA				
49.Detail calculations & % of saving:				

Serial Number	Energy Conservation Measures	Saving %					
1	Will be studied during EIA	Will be studied during EIA					
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:	Will be studied during EIA					
	O & M cost:	Will be studied during EIA					
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA	Will be studied during EIA			
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:			The plot is accessible through 12 M wide right of way off 27.45 mt. wide Saki Vihar Road at east side and 36.60 mt wide DP road at north side of plot.				

Parking details:	Number and area of basement:	2 nos
	Number and area of podia:	Hotel Building No.:03 =9 Podium , Hotel Building No.:04 =5 Podium
	Total Parking area:	Will be studied during EIA
	Area per car:	Will be studied during EIA
	Area per car:	Will be studied during EIA
	Number of 2-Wheelers as approved by competent authority:	.
	Number of 4-Wheelers as approved by competent authority:	2938 nos
	Public Transport:	9 nos
	Width of all Internal roads (m):	6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (0.70 km aerial distance). It doesn't fall under eco sensitive zone as per ESZ Notification dtd 5th December 2016
	Category as per schedule of EIA Notification sheet	8(b) B1
	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	08-08-2017
Brief information of the project by SEAC		

Representative of PP Mr. Rohan Borkar was present during the meeting along with environmental consultant M/s Enviro Analysts & Engineers Pvt.Ltd. PP stated that the proposed project is expansion of hotel project due to additional FSI as per provision in MCGM DCR 1991. 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 60,888.62 sq. mt & total construction area of the project (FSI- 1,05,051.25 sq.mt + Non FSI- 1,31,538.02 sq.mt) is 2,36,589.27 sq.mt. Committee noted that the project is under 8a (B1) 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 24/12/2007 for addition of 4 floors in existing Hotel Building no. 2 and construction of Hotel Building no. 3 (Basements +G+12 floors) and Hotel Building 4 (Basement+G+9 floors) totaling built up area (FSI) of 38,374.79 sqm, and total construction area was 1,04,262.64 sq.m. Further, PP stated that the work of expansion of building no 2 is completed & OC for the same also received. Construction of building no 3 up to plinth level has been completed and work of Building no. 4 is not commenced. Now expansion has been proposed for Hotel Building no. 3 and 4. PP informed that, there is change in configuration of Buildings. Building 3 configuration changes from Basements + Ground + 12 Floors) to Basements (LB+UB+MB) + Ground + 9 P +20 Typical Floors, Building 4 configuration changes from Basement + Ground + 9 Floors to 2 Basements+ Ground + 5 P +14 Typical Floors and also Banquets in Bldg 4, Restaurants Bldg 3 and 4 were newly added.

DECISION OF SEAC


After discussion, ToR presented by PP was approved with following additional ToR:

Specific Conditions by SEAC:

- 1) Committee recommended that, Hotel & its premises should be "No Plastic Zone". PP to submit plan for the same.
- 2) PP to ensure that 10% of net energy saving should be through renewable source.
- 3) PP to submit the carrying capacity of drainage line around the project.
- 4) PP to submit and upload CSR activity details for proposed project.
- 5) PP to submit EC compliance for the EC issued.
- 6) PP to submit & upload the project specific quantitative EMP & DMP.
- 7) PP to also refer ToR standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
- 8) PP to upload the plans, duly stamped & signed, submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliance etc on the website of ec.mpcb.in


FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.


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

**SEAC Meeting No: 55 Meeting Date: September
29, 2017**

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