


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed Expansion of Residential cum commercial project at village Ghodbunder, Dist Thane, Maharashtra by M/s Skylark Realtors Pvt. Ltd.

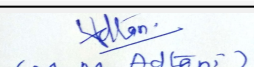
Is a Violation Case: No

1.Name of Project	Proposed Expansion of Residential cum commercial project at village Ghodbunder, Dist Thane, Maharashtra by M/s Skylark Realtors Pvt. Ltd.
2.Type of institution	TOR
3.Name of Project Proponent	Abhishek Khetan
4.Name of Consultant	M/S Building Environment (India) Pvt. Ltd Dakshina Building, Office No-401,4th Floor, Beside Raigard Bhavan, Sakal Bhavan Rd, Sector 11, CBD Belapur, Navi Mumbai, Maharashtra 400614.
5.Type of project	Housing project- expansion of residential and commercial development
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	Not applicable
8.Location of the project	Survey No. 21/2A+2B, 22/2, 22/5, 24/3, 25/1, 26/5, 26/8(pt.), 26/9, 110/1(pt.), 110/2(pt.), 110/3, 112/2(pt.), 113/1, 113/2, 114/1, 114/3, 114/4, 114/6, 116/1, 116/2A(pt.), 116/3, 116/4, 116/5, 116/6, 116/7, 116/8, 116/9, 117/1, 117/3, 117/4, 117/5, 117/6, 118/2, 118/3, 118/4, 118/5, 118/7, 118/8, 124/3, 125/1, 125/2, 125/3, 125/4, 125/5, 125/6, 125/7, 126/1, 126/2, 126/3, 126/4, 126/5, 126/6, 127/1, 127/2, 127/3, 127/4, 127/5, 128/5A, 128/5B(pt.), 132/3, 133/1, 133/2, 133/3, 133/4, 133/5, 133/6, 133/7, 133/8, 134/1, 134/2, 134/3, 134/4, 134/5A, 134/8, 135/3(pt.), 148/1, 148/2,20/8(pt),22/1B,22/1C,22/3. Of Village Ghodbunder, Mira Road.
9.Taluka	Thane
10.Village	Ghodbandhar
Correspondence Name:	JP Infra Mumbai Pvt. Ltd
Room Number:	NIL
Floor:	4th Floor
Building Name:	Viraj Towers
Road/Street Name:	Western Express Highway, Near WEH Metro Station
Locality:	Andheri (E)
City:	Mumbai
11.Area of the project	Mira Bhyander Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Alexa: IOD Dated 26.04.2018 No. UD/563/2018-19, Estella and Atria: IOD Dated 09.08.2017 No.UD/1834/2017-18, ELARA: IOD dated 14.07.2017 No. UD/1532/2017-18, Euphoria: IOD dated 17.04.2018 No. UD/401/2018-19 IOD/IOA/Concession/Plan Approval Number: Alexa: IOD Dated 26.04.2018 No. UD/563/2018-19, Estella and Atria: IOD Dated 09.08.2017 No.UD/1834/2017-18, ELARA: IOD dated 14.07.2017 No. UD/1532/2017-18, Euphoria: IOD dated 17.04.2018 No. UD/401/2018-19 Approved Built-up Area: 100645.24
13.Note on the initiated work (If applicable)	ESTELLA WING A,Wing B,Wing C,Wing D Upto 24 th Slab-Constructed Area 7415.56 Sq.mt ;ATRIA WING A ,Wing B upto 19th Slab Constructed Area 23528.34 sq.m;ELARA WING A- 1st slab tower area completed Constructed Area-1287.63 sq.m ; ELARA WING B-1st slab tower area casting will be completed on 10.08.2018 - Constructed area 1287.63
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Total IOD Approved for : FSI Area - 100645.24 sq.m. NON-FSI Area - 114008.05 sq.m. Total Construction Area - 214653.29 sq.m.
15.Total Plot Area (sq. m.)	113624.00 sq.m
16.Deductions	23623.59 sq.m
17.Net Plot area	90000.41 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 241272.48 sq.m b) Non FSI area (sq. m.): 290678.99 sq.m c) Total BUA area (sq. m.): 531951.47


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

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**Shri M.M.Adtani (Chairman
SEAC-II)**

18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 100645.24
	Approved Non FSI area (sq. m.): 114008.05
	Date of Approval: 14-07-2017
19.Total ground coverage (m2)	43045.07
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47.82%
21.Estimated cost of the project	9981000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Alexa	Stilt + 33	98.90
2	Estella And Atria	Stilt + 2 Podium + 3 to 23 Floors	69.90
3	Elara	Stilt + 2 Podium + 3 to 23 Floors	69.95
4	Euphoria	2 basement + Stilt + 33 Floors	98.90
5	Building C	Basement + Stilt + 2 podium + 21 floors	69.90
6	Building E	Basement + Stilt + 1 podium + 21 floors	68.20
7	Building D	Basement + Stilt + 1 podium + 20 floors	65.30
8	Building 9	Stilt + 33	98.90
9	School	Ground + 7	30
10	Clubhouse Big	Ground + 1 floor	9.3
11	Clubhouse	Ground + 1 floor	9.3
12	MCLP (next to Alexa)	stilt + 12 podium	33.15

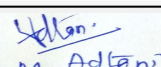
23.Number of tenants and shops	Flats-5955, Shops-337
24.Number of expected residents / users	Residential 29775 no.s +Commercial 1396 no.s with floating 68 no.s .
25.Tenant density per hectare	661
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 mt & 60.00 Mtr. D.P. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 Mtr.
29.Existing structure (s) if any	ESTELLA WING A,Wing B,Wing C,Wing D Upto 24 th Slab-Constructed Area 7415.56 Sq.mt ;ATRIA WING A ,Wing B upto 19th Slab Constructed Area 23528.34 sq.m;ELARA WING A- 1st slab tower area completed Constructed Area-1287.63 sq.m ; ELARA WING B-1st slab tower area casting will be completed on 10.08.2018 - Constructed area 1287.63


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30.Details of the demolition with disposal (If applicable)	Not applicable
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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	MBMC
	Fresh water (CMD):	2694
	Recycled water - Flushing (CMD):	Flushing 1369 Car washing 28
	Recycled water - Gardening (CMD):	110
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	4206
	Fire fighting - Underground water tank(CMD):	3 Lakh litres for each building
	Fire fighting - Overhead water tank(CMD):	25000 LITRES for Each wing
	Excess treated water	1907
Wet season:	Source of water	MBMC
	Fresh water (CMD):	2694
	Recycled water - Flushing (CMD):	Flushing 1369 Car washing 28
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	4096
	Fire fighting - Underground water tank(CMD):	3 Lakh litres for each building
	Fire fighting - Overhead water tank(CMD):	25000 LITRES for Each wing
	Excess treated water	2017
Details of Swimming pool (If any)	Big pool : 27 M x 8 M , Area : 210 sq.m. and depth : 1.2 M Kids Pool : 18 M x 2.5 M , Area : 52 sq.m. and depth : 0.6 M	

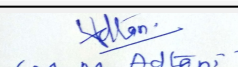
33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4-5m
	Size and no of RWH tank(s) and Quantity:	515 m ³
	Location of the RWH tank(s):	Under ground
	Quantity of recharge pits:	Will be provided after ToR approval
	Size of recharge pits :	8 m depth 2 m width
	Budgetary allocation (Capital cost) :	45 lakhs
	Budgetary allocation (O & M cost) :	2.5 lakhs
	Details of UGT tanks if any :	Domestic: Flushing CFO RWH

35.Storm water drainage	Natural water drainage pattern:	West to East
	Quantity of storm water:	8452.97 M ³ /hr
	Size of SWD:	600 mm X 600 mm

Sewage and Waste water	Sewage generation in KLD:	3794
	STP technology:	MBBR
	Capacity of STP (CMD):	3800 Capacity
	Location & area of the STP:	Will be provided after ToR Approval
	Budgetary allocation (Capital cost):	680 Lakhs
	Budgetary allocation (O & M cost):	75 lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	6383.42 Tonnes .
	Disposal of the construction waste debris:	used for land levelling purpose; 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016will be handed as per C&D waste Management Rule,2016

Waste generation in the operation Phase:	Dry waste:	8.06TPD
	Wet waste:	6.39 TPD
	Hazardous waste:	nil .If generated will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.9 TPD
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Will be sold through local recyclers
	Wet waste:	will be treated in OWC
	Hazardous waste:	Will be sold through authorised agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used for green area development
	Others if any:	nil
Area requirement:	Location(s):	Ground floor
	Area for the storage of waste & other material:	85 sq.m
	Area for machinery:	as above
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	110 Lakhs
	O & M cost:	18 lakhs

37. Effluent Characteristics

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

38. Hazardous Waste Details


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

39. Stacks emission Details

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


40. Details of Fuel to be used

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


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43.Green Belt Development	Total RG area :	Green area : 19558.94 sq.m + Hardscape :2524 sq.m
	No of trees to be cut :	Nil
	Number of trees to be planted :	AS per local MBMC norms
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	after 4 years of construction period

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	Attached	Attached	Attached	Attached

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	NIL	NIL	NIL


47.Energy

Power requirement:	Source of power supply :	Tata Power Limited
	During Construction Phase: (Demand Load)	250kva
	DG set as Power back-up during construction phase	NIL
	During Operation phase (Connected load):	21.17 MW
	During Operation phase (Demand load):	14.90 MW
	Transformer:	yes
	DG set as Power back-up during operation phase:	NA;Total Alternate power supply load for emergency Services of Complex / Plot in MVA (Fire fighting System , Fire lifts , common area lighting) = 3.5 MVA
	Fuel used:	NIL
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

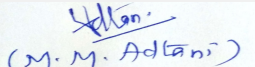
Solar hot water
VFD and high efficient pump for pumps, Lift and STP
LED Light in Lift Lobbies
Basement Ventilation by using efficient equipment & BEE Certified Motors

49.Detail calculations & % of saving:


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Serial Number	Energy Conservation Measures	Saving %
1	Will be provided after ToR approval	Will be provided after ToR approval

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:	SOLAR SYSTEM (SOLAR HOT WATER,STORAGE TANKS & ITS ANCILLARIES) CAPITAL COST - 1100 LACS
	O & M cost:	SOLAR SYSTEM (SOLAR PANELS,STORAGE TANKS & ITS ANCILLARIES) 35 LACS/ 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	STP	STP	680
2	OWC	OWC	110
3	RWH	RWH	45
4	Landscaping	Landscaping	44.2
5	Air	Dust mitigation	7
6	EHS	Site Sanitation,Hea Checkup, Labour Children Crech	15
7	Env Monitoring	Env Monitoring	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP	Covered in construction period	75
2	OWC	OWC	Covered in construction period	18
3	RWH	RWH	Covered in construction period	2.50
4	Energy Saving	Energy Saving	Covered in construction period	45
5	Landscaping	Landscaping	Covered in construction period	5

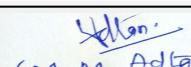
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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


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52.Any Other Information


No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	Number and area of basement:	2 Lvl. 20396.80
	Number and area of podia:	4 Lvl. 43836.15
	Total Parking area:	60619.46
	Area per car:	21.82
	Area per car:	21.82
	Number of 2-Wheelers as approved by competent authority:	1003
	Number of 4-Wheelers as approved by competent authority:	2778
	Public Transport:	5 for school
	Width of all Internal roads (m):	6.00 Mtr. To 9.00 Mtr
	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	NA
	Court cases pending if any	NA
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

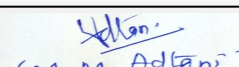
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-


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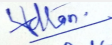
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
Brief information of the project by SEAC	

SEAC-AGENDA-00000000164


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Environment Clearance for Proposed Expansion of Residential cum commercial project at Survey No. 21/2A+2B, 22/2, 22/5, 24/3, 25/1, 26/5, 26/8(pt.), 26/9, 110/1(pt.), 110/2(pt.), 110/3, 112/2(pt.), 113/1, 113/2, 114/1, 114/3, 114/4, 114/6, 116/1, 116/2A(pt.), 116/3, 116/4, 116/5, 116/6, 116/7, 116/8, 116/9, 117/1, 117/3, 117/4, 117/5, 117/6, 118/2, 118/3, 118/4, 118/5, 118/7, 118/8, 124/3, 125/1, 125/2, 125/3, 125/4, 125/5, 125/6, 125/7, 126/1, 126/2, 126/3, 126/4, 126/5, 126/6, 127/1, 127/2, 127/3, 127/4, 127/5, 128/5A, 128/5B(pt.), 132/3, 133/1, 133/2, 133/3, 133/4, 133/5, 133/6, 133/7, 133/8, 134/1, 134/2, 134/3, 134/4, 134/5A, 134/8, 135/3(pt.), 148/1, 148/2,20/8(pt),22/1B,22/1C,22/3. Of Village Ghodbunder, Mira Road. by M/s Skylark Realtors Pvt. Ltd.

PP Mr Mr. Abhishek Khetan was present during the meeting along with environmental consultant M/s Building Environment (India) Pvt. Ltd. PP informed that, they have received Environmental Clearance from Ministry of Environment and Forests vide letter dated 19/09/2017 for the project having plot area of 88,439 Sq.mt and the total construction area 4,12,521.47 Sq.mt (FSI area of 1,71,857 Sq.mt). PP further stated that, they have started the construction work & till date 92,466 Sq.mt construction done on site. PP further informed that, the project under consideration is for amendment in EC due to expansion by addition of 25,185 sq.m area in the total plot area.

PP informed that now, as per amendment the total plot area of the project is 1,13,624 Sq. mt. having total built up area 5,31,951.47 Sq. mt. (FSI-2,41,272.41 Sq. mt.+ NON FSI-2,90,678.99 Sq. mt.).


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. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, 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

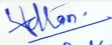
Specific Conditions by SEAC:

- 1) PP to submit the architect certificate for construction done on site.
- 2) PP to submit Traffic analysis, Ventilation analysis, Shadow analysis, wind analysis report and measures to reduce heat island effect
- 3) PP to submit & upload clear RG calculations. As agree, PP to provide 20% RG area
- 4) PP to provide turning radius of 9 mt.
- 5) PP to submit details regarding Water requirement, draining management, Soil, biodiversity etc.
- 6) PP to ensure that, there will be no discharge of treated or untreated waste water in the estuaries or water bodies.
- 7) PP to ensure that sewer lines and storm water drains will be developed and will be connected to the local body's network.
- 8) PP to submit project specific DMP.
- 9) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
- 10) PP to ensure that RG required is as per the norms and should be on Mother Earth.
- 11) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.
- 12) Committee suggested to PP to undertake CER activities related Sanjay Gandhi National park like to develop "Seed Bank" & Plant sampling, distribution of solar lamps to forest guards, tribal people.
- 13) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.


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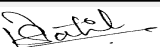
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SEAC-II)**

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.

SEAC-AGENDA-00000000164

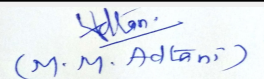


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**Shri M.M.Adtani (Chairman
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Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed addition/ alterations and extension to the existing B. D. Petit Parsee General hospital at C. S. No. 682 of Malbar Hill Division, Bomanji Petit Marg, 'D' Ward, Cumbala Hill, Mumbai by Bombay Parsi Panchayat.

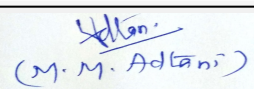
Is a Violation Case: No

1.Name of Project	Bombay Parsi Panchayat
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yezdi Desai, Chairman, Parsee Panchayat Funds & Properties.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Hospital Building Project
6.New project/expansion in existing project/modernization/diversification in existing project	Addition / alterations and extension to the existing B. D. Petit Parsee General Hospital
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	C. S. No. 682, Malbar Hill, Bomanji Petit Marg, Cumbala Hill, Mumbai.
9.Taluka	Mumbai
10.Village	Mumbai
Correspondence Name:	Mr. Yezdi Desai
Room Number:	209
Floor:	-
Building Name:	-
Road/Street Name:	Dr. Dadabhai Naoroji Marg
Locality:	Fort
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD vide letter No. CHE/CITY/1156/D/337(NEW) dt. 27 Dec 2016
	IOD/IOA/Concession/Plan Approval Number: IOD vide letter No. CHE/CITY/1156/D/337(NEW) dt. 27 Dec 2016
	Approved Built-up Area: 18850.88
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD vide letter No. CHE/CITY/1156/D/337(NEW) dt. 27 Dec 2016
15.Total Plot Area (sq. m.)	39,276.04 m ²
16.Deductions	6,680.27 m ²
17.Net Plot area	32,595.77 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 43,284.65 m ² (Existing FSI: 24,433.77 m ² + proposed FSI: 18,850.88 m ²)
	b) Non FSI area (sq. m.): 3,148.58 m ² (Existing Non-FSI: Nil + proposed Non-FSI: 3,148.58 m ²)
	c) Total BUA area (sq. m.): 46433.23
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 18,850.88 m ²
	Approved Non FSI area (sq. m.): 3,148.58 m ²
	Date of Approval: 27-12-2016
19.Total ground coverage (m2)	9,463.95 m ²
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.67%
21.Estimated cost of the project	1490000000


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

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EXISTING BUILDINGS	-	-
2	Main Hospital Bldg	G+2nd Floor	14.85 m
3	Doctor Quarters	G+4th Floors	16.15 m
4	Nurse Quarters	G+3rd Floor	14.29 m
5	Senior Citizens Home	G+3rd Floor	20.88 m
6	PROPOSED BUILDING (EXTENSION TO MAIN HOSPITAL BUILDING):	-	-
7	Proposed Hospital Building	B+G+1st to 7th upper floors	31.90 m

23. Number of tenants and shops	Existing Hospital Building: 220 Beds Proposed Hospital Building: 196 Beds Nurse's Quarters & Doctor Quarters: 86 Rooms + 7 flats (Existing)
24. Number of expected residents / users	Hospital: 2,652 Nos., Nurse's Quarters & Doctor Quarters: 207 Nos.
25. Tenant density per hectare	NA
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	12.20 m wide Bomanji Petit Marg
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29. Existing structure (s) if any	Total 16 structures/buildings viz. (2 existing servants quarters, 2 doctors quarters buildings, 2 old staff quarters buildings, old canteen dining hall building, Maintenance department with their workshop and changing room and some other ancillary structures) will be demolished. Demolition Quantity will be approx. 2450 m ³
30. Details of the demolition with disposal (If applicable)	The demolition waste will be utilized at site for levelling purposes.


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

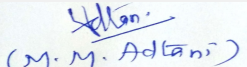
 (Dr. B. N. Patil) Member Secretary SEAC (MMR) Dr. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 78 Meeting Date: November 17, 2018	Page 13 of 126	 (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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Dry season:	Source of water	MCGM								
	Fresh water (CMD):	203 KLD								
	Recycled water - Flushing (CMD):	122 KLD								
	Recycled water - Gardening (CMD):	29 KLD								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	325 KLD								
	Fire fighting - Underground water tank(CMD):	As per CFO NOC								
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC								
	Excess treated water	151 (HVAC Make-up)								
Wet season:	Source of water	MCGM + RWH								
	Fresh water (CMD):	158 KLD + 45 KLD								
	Recycled water - Flushing (CMD):	122 KLD								
	Recycled water - Gardening (CMD):	-								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	325 KLD								
	Fire fighting - Underground water tank(CMD):	As per CFO NOC								
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC								
	Excess treated water	180 (HVAC Make-up)								
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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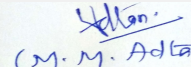

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 SEAC-II)**

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	8 - 10 m
	Size and no of RWH tank(s) and Quantity:	1 RWH tank with Total capacity 100 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 23 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2 lakhs/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	Natural water drainage pattern:	Towards west side of the plot
	Quantity of storm water:	4,251.29 m3/hr
	Size of SWD:	450 mm x 450 mm
Sewage and Waste water	Sewage generation in KLD:	305 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of total 330 KLD capacity
	Location & area of the STP:	Ground (Area provided: 200 m2)
	Budgetary allocation (Capital cost):	Rs. 76 Lakhs
	Budgetary allocation (O & M cost):	Rs. 17 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Demolition quantity is 2,450 m3 & that will be used at site for site levelling purposes.
	Disposal of the construction waste debris:	Construction waste will be 650 m3 and that will be utilized at site for Road Paving.
Waste generation in the operation Phase:	Dry waste:	254 kg/day
	Wet waste:	380 kg/day
	Hazardous waste:	Used oil from DG sets
	Biomedical waste (If applicable):	208 kg/day
	STP Sludge (Dry sludge):	3.0 m3/day
	Others if any:	E waste quantity will be stored separately


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Mode of Disposal of waste:	Dry waste:	Dry garbage will be disposed off to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting and used as organic manure for landscaping.
	Hazardous waste:	Hazardous waste will be handed over to MPCB's authorized vendor
	Biomedical waste (If applicable):	Biomedical waste will be handed over to MPCB's & MCGM's authorized vendor (SMS Envoclean Pvt. Ltd.) for disposal as per Biomedical Waste Handling rules 2016
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	E waste quantity will be given to authorized MPCB's vendor/agency
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	30 m ²
	Area for machinery:	20 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 22 lakh
	O & M cost:	Rs. 14 Lakh/year

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

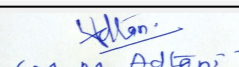
40. Details of Fuel to be used

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 Req: 5,752.19 m2 & RG Req: 5,840.90 m2		
	No of trees to be cut :	Nos. of trees on site: 284 Nos., Trees to be cut: 20 Nos.		
	Number of trees to be planted :	New Trees to be planted: 60 Nos.		
	List of proposed native trees :	As below		
	Timeline for completion of plantation :	1 year		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstromia Reginea	Taaman	6	Official state tree
2	Butea Monosperma	Palash	8	Medium deciduous tree with bright flowers
3	Anthocephalus kadamba	Kadamb	8	Deciduous tree, large foliage & beautiful tree
4	Murraya exotica	Kunti	6	Small, evergreen tree, good for gardens
5	Erythrina indica	Pangara	10	Medium sized deciduous tree. Bright scarlet flowers.
6	Michelia champaca	Son Chafa	7	Medium sized evergreen tree, fragrant yellow flowers
7	Cassia fistula	Bahava	5	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
8	Alstonia scholaris	Satvin	5	Shady, large evergreen tree, white fragrant flowers
9	Pongamia pinnata	Karanj	5	Shady tree
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	-	-	-	
47.Energy				

Power requirement:	Source of power supply :	BEST
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	3.8 MW
	During Operation phase (Demand load):	3.1 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Existing Hospital: 2 x 400 kVA & 1 x 380 kVA, Proposed Hospital: 2 x 1,500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Provision of solar PV panels
Provision Solar Hot water system

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	23.84 %

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. 25 Lakh
	O & M cost:	Rs. 1.5 Lakh/year

51. Environmental Management plan Budgetary Allocation

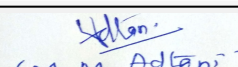
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	5
2	Site sanitation and Potable Water Supply to Labour Camp	-	6


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3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	3
4	Health check-up & first aid	-	5
5	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	10
6	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	4
7	Safety nets	-	8
8	Safety Training to Workers (Twice in Year), Safety Officer	-	3.5
9	Disinfection	-	2.5

b) Operation Phase (with Break-up):


Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	76	17
2	Solar System	Weekly	25	1.5
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	23	2
4	Solid and Biomedical waste management	Continuous O & M	22	14
5	Landscape development	Daily	6	8
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

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

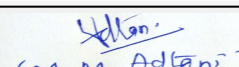
52.Any Other Information

No Information Available


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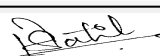

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53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	12.20 m wide Bomanji Petit Marg
Parking details:	Number and area of basement:	Hospital- 1 basement having Area: 1,955.12 m ² (only for hospital purposes)
	Number and area of podia:	NA
	Total Parking area:	3,905 m ²
	Area per car:	28.5
	Area per car:	28.5
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	Existing Hospital: 11 Nos., Proposed Hospital: 137 Nos.
	Public Transport:	Ambulance: 2 Nos.
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	The MCZMA in its 117th Meeting considered the case and recommended vide its letter no. CRZ 2017/CR-46/TC-4 DT. 06.07.2017. Project was also considered in 179th EAC Meeting dt 28.11.2017 and as per the MoM the project is recommended for CRZ clearance.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-04-2016

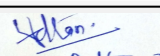
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-


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Shri M.M.Adtani (Chairman SEAC-II)

Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed addition/ alterations and extension to the existing B. D. Petit Parsee General hospital at C. S. No. 682 of Malbar Hill Division, Bomanji Petit Marg, 'D' Ward, Cumbala Hill, Mumbai by Bombay Parsi Panchayat

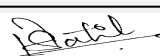
DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

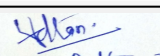
FINAL RECOMMENDATION

Kindly find SEIAA decision above.


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

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 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for 'JAIBHARAT KANDIVALI SRA CHS.LTD. & SAI DARSHAN SRA SAHAKARI GRUHNIRMAN SANSTHA MARYADIT'- Expansion of Proposed Residential & Commercial Project on Plot bearing No.CTS 471-A (Pt.), Lalji Pada New Link Road, Kandivali (W) Mumbai - 400067, by M/s. Raj Arcades Homes Pvt. Ltd.

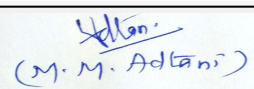
Is a Violation Case: No

1.Name of Project	JAIBHARAT KANDIVALI SRA CHS.LTD. & SAI DARSHAN SRA SAHAKARI GRUHNIRMAN SANSTHA MARYADIT'- Expansion of Proposed Residential & Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajesh Savla M/s. Raj Arcades Homes Pvt. Ltd.,C/101,Ratnakar, Opp. Ekta Bhoomi classic, Mahavir Nagar, Kandivali (W), Mumbai-400 067
4.Name of Consultant	Mr. H.K. Desai Enviro Analysts & Engineers Pvt. Ltd.,B-1003, Enviro House Western Edge II, Behind Metro Mall Western Express Highway Borivali (E), Mumbai-400066
5.Type of project	SRA Scheme.
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 dated 01-02-2016 (SEAC-2013/CR-259/TC-1) , Total BUA= 31844.05 sq.m.
8.Location of the project	Plot bearing CTS No. 471-A (Pt.) of village -Kandivali, Lalji Pada New Link Road, Kandivali (W) Mumbai -400067
9.Taluka	borivali
10.Village	kandivali
Correspondence Name:	Mr. Rajesh Savla ,M/s. Raj Arcades Homes Pvt. Ltd
Room Number:	C/101
Floor:	1st Floor
Building Name:	Ratnakar, Opp. Ekta Bhoomi classic,
Road/Street Name:	-
Locality:	Mahavir Nagar, Kandivali (W), Mumbai-400 067
City:	Kandivali
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	SRA/ENG/3124/RS/STGL/AP dated 5th May, 2017 IOD/IOA/Concession/Plan Approval Number: SRA/ENG/3124/RS/STGL/AP dated 5th May, 2017 Approved Built-up Area: 40350.38
13.Note on the initiated work (If applicable)	Constructed FSI area = 16124.82 sq.m., Constructed Non FSI area = 6160.46 sq.m. ,Total constructed BUA= 22285.28 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Revised SRA LOI Granted dated: 02-02-2017 Under No.: SRA/ENG/1030/RS/STGL/LOI
15.Total Plot Area (sq. m.)	5885.00 sq.m.
16.Deductions	656.50 sq.m.
17.Net Plot area	5228.50 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Sale = 14027.35sq.m., Rehab = 9512.65sq.m., total = 23540.00sq.m, Fungible FSI area for Sale = 4873.92 sq.m., Rehab = 2135.18 sq.m., Total = 7009.10 sq.m. b) Non FSI area (sq. m.): Sale = 5022.03 sq.m., Rehab = 5425.35 sq.m., total = 10447.38 sq.m. c) Total BUA area (sq. m.): 40996.48
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 29391.64 Approved Non FSI area (sq. m.): 10958.74 Date of Approval: 05-05-2017
19.Total ground coverage (m2)	2226.81sq.m.


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

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42.59 %
21.Estimated cost of the project	1394700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg.-Wing A	Ground + 23 (pt) Floors	69.95
2	Rehab Bldg.-Wing B	Ground + 23 (pt) Floors	69.95
3	Sale Bldg.-Wing A	Ground (Pt.) + 1-23 Floors	69.90
4	Sale Bldg.-Wing B	Ground + 1-23 Floors	69.90
5	Sale Bldg.-Wing C	Ground + 1-23 Floors	69.90
6	Sale Bldg.-Wing D	Ground + 1-23 Floors	69.90
7	Parking Tower	-	69.90

23.Number of tenants and shops	Sale Tenements=333 Nos. Sale Shops = 3 (2 in Sale Wing & 1 in Rehab Wing); Rehab Tenements =329Nos. Rehab Res.+ Comm.=12Nos. Rehab shops= 38Nos. Balwadi, welfare & society office, Amenity Structure 12(give separately) Balwadi=4, Welfare Centre = 4, Society Office=3, Temple =1
24.Number of expected residents / users	Rehab = 1934, Sale = 1671, Total = 3605
25.Tenant density per hectare	1118 Nos./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))	36.60 M wide Existing New Link road and 6.0 m wide existing 63 K road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 m
29.Existing structure (s) if any	construction of the buildings started as per the EC received dated 01-02-2016.Rehab A Wing - Gr. + 12 Floors, Rehab B Wing - Gr. + 12 Floors, Sale A Wing - Stilt + 12 Floors , Sale B Wing - Stilt + 12 Floors , Sale C Wing - Stilt + 12 Floors , Sale D Wing - Stilt + 12 Floors
30.Details of the demolition with disposal (If applicable)	Waste generated during demolition of slum units was disposed as per debris management plan.


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

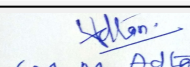
 (Dr. B. N. Patil) Member Secretary SEAC (MMR) Dr. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 78 Meeting Date: November 17, 2018	Page 23 of 126	 (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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Dry season:	Source of water	MCGM/ Recycled water								
	Fresh water (CMD):	Rehab +Sale =Total, 157+ 156=313								
	Recycled water - Flushing (CMD):	80 + 75=155								
	Recycled water - Gardening (CMD):	1+2=3								
	Swimming pool make up (Cum):	6 cum								
	Total Water Requirement (CMD) :	Rehab =238,Sale =233, total = 471								
	Fire fighting - Underground water tank(CMD):	Rehab:200 cum, Sale :200 cum,								
	Fire fighting - Overhead water tank(CMD):	Rehab : 2 nos. of 30cum, Sale : 4 nos. of 30 cum								
	Excess treated water	Rehab = 104,Sale = 98, Total =202								
Wet season:	Source of water	MCGM/RWH Tank/Recycled water								
	Fresh water (CMD):	Rehab +Sale =Total,157+ 156=313								
	Recycled water - Flushing (CMD):	80 + 75=155								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	6 cum								
	Total Water Requirement (CMD) :	Rehab =237,Sale =231, total = 468								
	Fire fighting - Underground water tank(CMD):	Rehab:200 cum, Sale :200 cum,								
	Fire fighting - Overhead water tank(CMD):	Rehab : 2 nos. of 30cum, Sale : 4 nos. of 30 cum								
	Excess treated water	Rehab = 105,Sale = 100, Total =205								
Details of Swimming pool (If any)	swimming pool is provided for sale building.									
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:	2 m.
	Size and no of RWH tank(s) and Quantity:	Rehab: 49cum Sale: 66 cum(2 days capacity)
	Location of the RWH tank(s):	under ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 6.0 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.3Lakhs
	Details of UGT tanks if any :	Rehab Bldg. (domestic = 158 Flushing = 82) Sale Bldg. (Domestic = 156, flushing =78) Fire Tanks = (Rehab = 200, Sale = 200) RWH Tanks = (Rehab = 24, Sale = 33)
35.Storm water drainage	Natural water drainage pattern:	North to South
	Quantity of storm water:	0.05 cum / sec.(Actual discharge) • 0.25 cum/sec.(Design Capacity)
	Size of SWD:	0.40 x 0.30 mt.
Sewage and Waste water	Sewage generation in KLD:	399 KLD (Rehab :205 KLD: Sale:194 KLD)
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	475KLD (Rehab:245 KLD, Sale: 230KLD)
	Location & area of the STP:	ground level
	Budgetary allocation (Capital cost):	Rs. 48Lakhs
	Budgetary allocation (O & M cost):	Rs. 7Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Debris has been disposed off by covered trucks to the authorized sites with the permission of MCGM.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight of raft, road works, etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of MCGM.
Waste generation in the operation Phase:	Dry waste:	379 + 334=713kg/day (Rehab + Sale)
	Wet waste:	514+ 501 =1015kg/day (Rehab + Sale)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25Kg/day
	Others if any:	nil
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Mode of Disposal of waste:	Dry waste:	Will be managed through recyclers.
	Wet waste:	Biodegradable waste will be processed in OWC and manure so obtained will be used for landscaping and replacement for dry manure in OWC.
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	nil
Area requirement:	Location(s):	at ground level
	Area for the storage of waste & other material:	41sq.m. Rehab and 40sq.m. for Sale.
	Area for machinery:	12 sq.m.for each
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 24.0 Lakhs
	O & M cost:	Rs. 5.0Lakhs

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

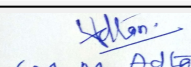
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	594.26sq.m.(8%)
	No of trees to be cut :	nil
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	as 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	Mimusops elengii	Bakul	10	Flowering
2	Saraca indica	Sita asoka	17	evergreen tree
3	Plumeria alba	champa	8	flowering
4	Michelia champaca	Son champa	14	flowering
5	Erythrina indica	Pangara	11	deciduous 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	not applicable	not applicable	not applicable

47.Energy

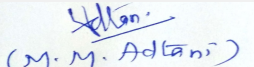
Power requirement:	Source of power supply :	Reliance Energy
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	Rehab = 1752 Kw, Sale =2117Kw
	During Operation phase (Demand load):	Rehab = 662 Kw, Sale = 758 Kw
	Transformer:	NA
	DG set as Power back-up during operation phase:	Rehab = 1 X 250 KVA, Sale = 1 X 250 KVA
	Fuel used:	LSD
	Details of high tension line passing through the plot if any:	NIL

48.Energy saving by non-conventional method:


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1. common area lighting on solar
2. T5, T8 lights
3. LED Lights
4. Lift- VFD & regenerative type
5. Solar hot water system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	Rehab = 8%, Sale = 8%

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. 61.0 Lakhs
	O & M cost:	Rs. 3.0Lakhs

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 Environemnt	dust suppression	2.5
2	Land Environment	site sanitation	2.0
3	Environmental Monitoring	For Air, Noise, Water Analysis	15.0
4	EHS	Disinfection	1.75
5	EHS	Health Check Up	3.6

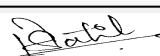
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	Rain Water Harvesting	6	0.3
2	land environment	solid waste managment	24	5.0
3	water environment	STP	48	7
4	Energy Saving	Solar Energy System	61	3
5	Land Environment	Landscaping	10	0.50

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

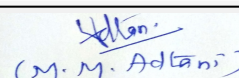
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information


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No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Site is abutting to 36.60 m wide New Link Road and 6.00 m wide existing 63k road.
Parking details:	Number and area of basement:	nil
	Number and area of podia:	nil
	Total Parking area:	5126.10 sq.m.
	Area per car:	25.89 sq.m.
	Area per car:	25.89 sq.m.
	Number of 2-Wheelers as approved by competent authority:	25Nos.
	Number of 4-Wheelers as approved by competent authority:	198 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park = 4.60 km
	Category as per schedule of EIA Notification sheet	Schedule 8a, Category B
	Court cases pending if any	Nil
	Other Relevant Informations	this project is an Expansion project. Previously grant EC dated 01-02-2016 (SEAC-2013/CR-259/TC-1)
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-05-2017

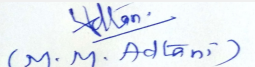
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-


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Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for 'JAIBHARAT KANDIVALI SRA CHS.LTD. & SAI DARSHAN SRA SAHAKARI GRUHNIRMAN SANSTHA MARYADIT'- Expansion of Proposed Residential & Commercial Project on Plot bearing No.CTS 471-A (Pt.), Lalji Pada New Link Road, Kandivali (W) Mumbai - 400067, by M/s. Raj Arcades Homes Pvt. Ltd.


DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

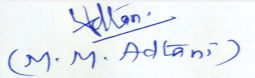
FINAL RECOMMENDATION

Kindly find SEIAA decision above.


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

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 (M. M. Adtani)
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Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed expansion in Existing IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, and Maharashtra

Is a Violation Case: No

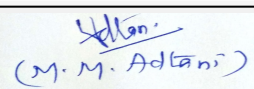
1.Name of Project	Proposed expansion in Existing IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, and Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Mindspace Business Parks Private Limited
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	IT park
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	Yes, received vide letter no. 21- 268/2007 IA.III dated August 23, 2007.
8.Location of the project	Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai.
9.Taluka	Thane
10.Village	Airoli
Correspondence Name:	Plot No. C-30
Room Number:	Block 'G'
Floor:	6th floor
Building Name:	Raheja Tower
Road/Street Name:	Next to Bank of Baroda
Locality:	Bandra-Kurla Complex
City:	Bandra (East)
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Approval no.: DE/MHP(C) I/3/IFMS/B-65206 dated 03/06/2015.
	IOD/IOA/Concession/Plan Approval Number: Approval no.: DE/MHP(C) I/3/IFMS/B-65206 dated 03/06/2015.
	Approved Built-up Area: 120000.00
13.Note on the initiated work (If applicable)	Work has been completed for 13 IT bldgs. as per EC granted dated 23rd August 2007. For Bldg. No 15 work has not been initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	202740.00
16.Deductions	3142.20
17.Net Plot area	199597.80
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,20,000.00
	b) Non FSI area (sq. m.): 68,636.12
	c) Total BUA area (sq. m.): 188636.12
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 120000.00
	Approved Non FSI area (sq. m.): 68636.12
	Date of Approval: 03-06-2015
19.Total ground coverage (m2)	8,727.42
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39%
21.Estimated cost of the project	4350000000

22.Number of buildings & its configuration



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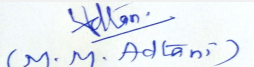

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SEAC-II)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building No. 15	Part basement + Part Stilt + 7 parking floor + 15 IT office floors + part 16th floor.	99.6	
23.Number of tenants and shops	Not applicable as it's an IT project.			
24.Number of expected residents / users	Users: 27200 nos.			
25.Tenant density per hectare	Not applicable as it is an IT project.			
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 abutting to existing 45 mt. wide Thane Belapur Road.			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min.9 mts			
29.Existing structure (s) if any	There is no existing structure on the plot earmarked for building no 15.			
30.Details of the demolition with disposal (If applicable)	No previous structure to be demolish.			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA
32.Total Water Requirement				



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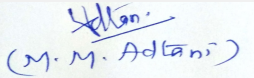

 (M. M. Adtani)
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Dry season:	Source of water	Maharashtra Industrial Development Corporation (MIDC) & treated water from Sewage treatment plant							
	Fresh water (CMD):	544							
	Recycled water - Flushing (CMD):	680							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	1544							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	0							
Wet season:	Source of water	Maharashtra Industrial Development Corporation (MIDC) & treated water from Sewage treatment plant							
	Fresh water (CMD):	544							
	Recycled water - Flushing (CMD):	680							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	1534							
	Fire fighting - Underground water tank(CMD):	200							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	0							
Details of Swimming pool (If any)	Not Applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3 mts.
	Size and no of RWH tank(s) and Quantity:	1 RWH tanks of total capacity 120 cum
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	4 no. of recharge pits
	Size of recharge pits :	12 mt x 3.6 mt x 3.8 mt
	Budgetary allocation (Capital cost) :	20 lakhs
	Budgetary allocation (O & M cost) :	2 lakhs
	Details of UGT tanks if any :	Fire underground tank: 200 cmd Firefighting overhead tank: 20 cmd
35.Storm water drainage	Natural water drainage pattern:	The natural drain will be maintained at site
	Quantity of storm water:	1.72 cum/sec
	Size of SWD:	0.6 m x 0.6 m wide
Sewage and Waste water	Sewage generation in KLD:	1100
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of total capacity 1120 KLD
	Location & area of the STP:	Location: Below ground & STP area about 1650 sq. m
	Budgetary allocation (Capital cost):	250 lakhs
	Budgetary allocation (O & M cost):	38 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	100 Kg/ day
	Disposal of the construction waste debris:	Generated waste will be disposed through authorized vendors.
Waste generation in the operation Phase:	Dry waste:	4764 Kg/ day
	Wet waste:	2042 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	11 Kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	Dry waste:	Dry garbage will be handed over to Authorized recyclers.
	Wet waste:	Will be treated in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be dried and used as manure.
	Others if any:	Not Applicable
Area requirement:	Location(s):	Ground floor
	Area for the storage of waste & other material:	included in machinery area
	Area for machinery:	500 sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	17 lakhs
	O & M cost:	1.7 lakhs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
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

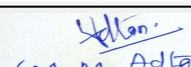
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	19,959.78 sq.m
	No of trees to be cut :	232 Nos
	Number of trees to be planted :	1996 Nos
	List of proposed native trees :	Attached as Annexure I
	Timeline for completion of plantation :	till 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	Attached as Annexure I	Attached as Annexure I	Attached as Annexure I	Attached as Annexure I
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	Attached as Annexure I	Attached as Annexure I	Attached as Annexure I

47.Energy

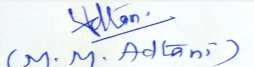
Power requirement:	Source of power supply :	Minspace Serene Electricity Distribution Licensee
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	100% power back up
	During Operation phase (Connected load):	13616 KVA
	During Operation phase (Demand load):	13616 KVA
	Transformer:	8 x 2000 KVA
	DG set as Power back-up during operation phase:	8 x 2000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:


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- ? Use of transformers with No Load & On Load watt losses as per ECBC.
- ? Use of high frequency, high power factor, electronic ballasts in place of conventional copper iron ballasts in light fixtures.
- ? Using energy efficient light fixtures with good photometric properties
- ? Using LED's in external lighting ballard, in areas such as staircases, corridors & lift lobbies where lights burn on 24 hours basis.
- ? Using LED fixture in basement, stilts & underground parking areas.
- ? Putting external lighting control on time switch/ time control
- ? Using time switch control/ timer control for basements lighting.
- ? Employing solar powered lighting for part of the external lighting fixtures.
- ? Using high efficiency motors 'EF1' for pumps & ventilation fans.
- ? Capacitors shall have a long life in excess of 1,50,000 hours with low losses in the range of 0.2 watt/KVA.
- ? External Lighting: 30% of the external lighting is proposed on solar. These are set of lighting which are placed at critical junctions and which would be lit round the night. Otherwise the other 70% lighting is on timer circuits to achieve the max. Saving.
- ? Energy conservation is based on ECBC code.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy savings	15-20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	NA	STP- 1120 KLD
Waste	NA	OWC- 2500 Kg/day

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	350 lakhs
	O & M cost:	35 lakhs


51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris management	NA	25
2	Environment protection measures	NA	10
3	Labour facilities	NA	7

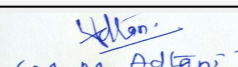
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	250	38
2	Solid Waste Management	NA	17	1.7
3	Rain Water Harvesting	NA	20	2
4	Landscape	NA	500	45
5	Environmental Monitoring cell	NA	0	25
6	Energy saving features	NA	350	35
7	Fire fighting measures	NA	150	15


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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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

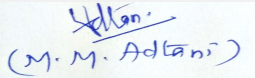
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is directly connected to Thane Belapur road.
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	60,469 sq.m
	Area per car:	36 sq.m
	Area per car:	36 sq.m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	2825 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	30 mtrs.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	As we have made application to MIDC for approval of plans and it is under scrutiny. In item no 20 we have mentioned the area as per the plan submitted to MIDC for approval.


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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed expansion in Existing IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, and Maharashtra by Mindspace Business Parks Private Limited

Committee noted & PP and Environment Consultant M/S. Aditya Pvt. Ltd has agreed that they have violated the EIA Notification, 2006 issued by MoEF & CC.

It is noted that SEIAA stipulating detailed procedure to be adopted by SEACs regarding guidelines issued by Environment Department, Government of Maharashtra dated 3rd April, 2018 for appraisal of violation cases for grant of Environment Clearance under provision of the EIA Notification dated 14/9/2006 in light of the Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change. Considering this, it is decided to defer the proposal.

DECISION OF SEAC


Committee noted & PP and Environment Consultant M/S. Aditya Pvt. Ltd has agreed that they have violated the EIA Notification, 2006 issued by MoEF & CC.

It is noted that SEIAA stipulating detailed procedure to be adopted by SEACs regarding guidelines issued by Environment Department, Government of Maharashtra dated 3rd April, 2018 for appraisal of violation cases for grant of Environment Clearance under provision of the EIA Notification dated 14/9/2006 in light of the Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change. Considering this, it is decided to defer the proposal.

Specific Conditions by SEAC:

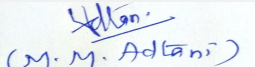
FINAL RECOMMENDATION

SEAC-II decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**Dr. B.N.Patil (Secretary
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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed S. R. Scheme Under Clause 3.11 Read With Clause 3.5 and 3.9 (ii) of Appendix IV of DCR 33(10) No. at Plot Bearing C.T.S No. 16A Part And 16A/3 to 16A/13 of Villages Malad at Appa Pada, Malad (East), P-North Ward, Mumbai.

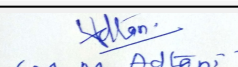
Is a Violation Case: No

1.Name of Project	Proposed S. R. Scheme Under Clause 3.11 Read With Clause 3.5 and 3.9 (ii) of Appendix IV of DCR 33(10) No.
2.Type of institution	Private
3.Name of Project Proponent	Neelkanth Ghanwat & Others
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	S. R. Scheme -MMRDA
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Environmental Clearance
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance obtained from MMRDA No. ENV /EC /30 /2017 dated: 5/10/2017.
8.Location of the project	C.T.S No. 16A Part And 16A/3 to 16A/13 of Villages Malad at Appa Pada, Malad (East), P-North Ward, Mumbai.
9.Taluka	Borivali
10.Village	Malad
Correspondence Name:	Pandey Ghanwat Developers LLP
Room Number:	Office no. 5
Floor:	NA
Building Name:	Gopal Bhavan
Road/Street Name:	45A, S.V. Road, Malad (W)
Locality:	Malad (W)
City:	Mumbai
11.Area of the project	The project comes under Municipal Corporation of Greater Mumbai (MCGM).
12.IOD/IOA/Concession/Plan Approval Number	LOI received from MMRDA dated: 10/10/2016, LOA received from MMRDA dated: 22/11/2016 IOD/IOA/Concession/Plan Approval Number: LOI No. MMRDA /SRA/Rev LOI-70/PL/P(N)2016, Bldg No.R1: LOA-No. MMRDA/OSD/SRA Cell/Rev LOI-70/IOA-119/PL/P(N)2016, Bldg No.R2: LOA-No. MMRDA/OSD/SRA Cell/Rev LOI-70/IOA-120/PL/P(N)2016, Bldg No.R3: LOA-No. MMRDA/OSD/SRA Cell/Rev LOI-70/IOA-121/PL/P(N)2016, Bldg No.R4: LOA-No. MMRDA/OSD/SRA Cell/Rev LOI-70/IOA-122/PL/P(N)2016, Bldg No.R5: LOA-No. MMRDA/OSD/SRA Cell/Rev LOI-70/IOA-139/PL/P(N)2016, Bldg No.R6: LOA-No. MMRDA/OSD/SRA Cell/Rev LOI-70/IOA-140/PL/P(N)2016 Approved Built-up Area: 46766.05
13.Note on the initiated work (If applicable)	Total constructed work - 40251.45 sq.mt. (FSI area - 24373.30 sq.mt. and Non FSI area - 15878.15 sq.mt).
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The project received LOI from MMRDA No. MMRDA /SRA/Rev LOI-70/PL/P (N) 2016 dated: 10/10/2016.
15.Total Plot Area (sq. m.)	11,698 sq.mt.
16.Deductions	Deduction -MRM - 2,202.54 sq.mt.
17.Net Plot area	9,495.46 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 46,766.05 sq.mt.
	b) Non FSI area (sq. m.): 29,084.99 sq.mt
	c) Total BUA area (sq. m.): 75851.04
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 46,766.05 sq.mt.
	Approved Non FSI area (sq. m.): 29,084.99 sq.mt
	Date of Approval: 10-10-2016
19.Total ground coverage (m2)	3,994.24 sq.mt


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20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42 %
21.Estimated cost of the project	1330000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No.R1	Ground + 22nd Upper Floors	67.15
2	Building No.R2	Ground + 22nd Upper Floors	67.15
3	Building No.R3	Stilt + 22nd Upper Floors	66.85
4	Building No.R4	Stilt + 22nd Upper Floors	66.85
5	Building No.R5	Stilt + 22nd Upper Floors	68.15
6	Building No.R6	Stilt + 19th (Part) Floors	59.45
7	MRM to be handed over to MCGM	Stilt + 3rd Upper Floor	15.15

23.Number of tenants and shops	Total Residential Tenements - 1354 nos. Commercial (Shop) - 77 nos. Amenities - 45 nos. (Balwadi- 15 nos., Society office - 15 nos. Welfare center -15 nos.)
24.Number of expected residents / users	Total Residents - 6770 nos. Shop user - 231 nos. Amenities - 240 nos.
25.Tenant density per hectare	1237 tenements 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))	9m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	103 nos of the slum.
30.Details of the demolition with disposal (If applicable)	Debris shall be disposed as per Debris Management Plan.


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

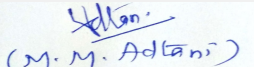
 (Dr. B. N. Patil) Member Secretary SEAC (MMR) Dr. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 78 Meeting Date: November 17, 2018	Page 42 of 126	 (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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Dry season:	Source of water	MCGM							
	Fresh water (CMD):	619							
	Recycled water - Flushing (CMD):	316							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	945							
	Fire fighting - Underground water tank(CMD):	Building No. R1 and R2 -250 Cum, Building No. R3 and R4 -250 Cum, Building No. R5 -250 Cum, Building No. R6 -250 Cum.							
	Fire fighting - Overhead water tank(CMD):	30 Cum per Building							
	Excess treated water	337							
Wet season:	Source of water	MCGM							
	Fresh water (CMD):	619							
	Recycled water - Flushing (CMD):	316							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	935							
	Fire fighting - Underground water tank(CMD):	Building No. R1 and R2 -250 Cum, Building No. R3 and R4 -250 Cum, Building No. R5 -250 Cum, Building No. R6 -250 Cum.							
	Fire fighting - Overhead water tank(CMD):	30 Cum per Building							
	Excess treated water	347							
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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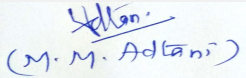

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3 m
	Size and no of RWH tank(s) and Quantity:	Total 6 RWH tanks of total capacity 86 cum (RWH tank R1-20 Cum RWH tank R2-12 Cum RWH tank R3-15 Cum RWH tank R4-11 Cum RWH tank R5-16 Cum RWH tank R6-12 Cum)
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Building R1, R2 and R6 shall have percolation pits of size 1.2mtr dia x 3mtr deep and for buildings R3,R4 and R5, rainwater shall be discharge into existing well.
	Size of recharge pits :	1.2mtr dia x 3mtr depth
	Budgetary allocation (Capital cost) :	18 Lakhs
	Budgetary allocation (O & M cost) :	0.9 Lakhs
	Details of UGT tanks if any :	<p>Domestic water tank: Building No.R1-108 Cum Building No.R2-60 Cum Building No.R3-72 Cum Building No.R4-77 Cum Building No.R5-80 Cum Building No.R6-33 Cum</p> <p>Flushing water tank: Building No.R1-60 Cum Building No.R2-33 Cum Building No.R3-38 Cum Building No.R4-41 Cum Building No.R5-43 Cum Building No.R6-17 Cum</p> <p>Fire fighting water tank: Building No. R1 and R2 -250 Cum Building No. R3 and R4 -250 Cum Building No. R5 -250 Cum Building No. R6 -250 Cum</p> <p>RWH tank: RWH tank R1-20 Cum RWH tank R2-12 Cum RWH tank R3-15 Cum RWH tank R4-11 Cum RWH tank R5-16 Cum RWH tank R6-12 Cum</p>
35.Storm water drainage	Natural water drainage pattern:	Storm water collection is proposed separately for roof area and other area in project premises.
	Quantity of storm water:	0.3 m3/sec
	Size of SWD:	0.450/0.450


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Sewage and Waste water	Sewage generation in KLD:	698 kld
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 725 kld
	Location & area of the STP:	Location of STP - Ground, Area of STP - 270 sq.mt.
	Budgetary allocation (Capital cost):	112 Lakhs
	Budgetary allocation (O & M cost):	28 Lakhs/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste debris
	Disposal of the construction waste debris:	Construction waste debris shall be partly reused on site and remaining debris shall be disposed off as per rules and debris management.
Waste generation in the operation Phase:	Dry waste:	1436 kg/day
	Wet waste:	2066 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 kg,
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	77 sq.mt
	Area for machinery:	14 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20 Lakhs
	O & M cost:	8 Lakhs/Year

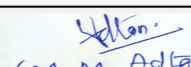
37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	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			


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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 :	1903.23 sq.mt
	No of trees to be cut :	Nil
	Number of trees to be planted :	146 nos.
	List of proposed native trees :	Apta, Bhava, Son chapa, Bakul, Kadam, Sita Ashoka, Neem, Mango
	Timeline for completion of plantation :	2 Years

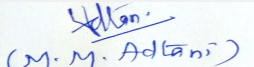
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia racemosa	Apta	25	Small tree with small white flowers, butterfly host plant
2	Cassia fistula	Bhava	25	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
3	Michalia champaca	Son Chapa	25	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
4	Mimusops elengi	Bakul	20	Shady tree, small white fragrant flowers


(Dr. B. N. Patil)
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5	Anthocephallus cadamba	Kadam	20	Shady, large deciduous tree, fast growing graceful tree, ball shaped flowers
6	Saraca asoka	Sita Ashoka	20	Shady tree with red yellow flowers
7	Azadiracta indica	Neem	5	Large tree, good for roadside plantation
8	Magnifera indica	Mango	6	Fruits bearing 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 :	M/s. Reliance Infrastructure
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	150 KVA
	During Operation phase (Connected load):	6648 KW
	During Operation phase (Demand load):	4223 KW
	Transformer:	1250 KVA x 4 nos.
	DG set as Power back-up during operation phase:	275 KVA x 4 nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:


1. All lights on LED & 60% Light Poles on solar system
2. Parking - T5 lights
3. Lobby/Staircase on PV Panels
4. Lift-Regenerative Types
5. Solar Hot Water system.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving by using LED light poles on solar system, T5 lights, Lobby/Staircase on PV Panels, Lift-Regenerative Types and Solar Hot Water system	24.8 %

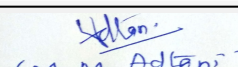
50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	165 Lakhs
	O & M cost:	16 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 and Noise	Site Barricading and Dust Control Measures	5
2	Water	Tanker Water For Construction And Waste Water Management	4
3	Solid waste	Construction Waste Management	4
4	Occupation Health and safety	Health Checkup of Workers, Disinfection at Site, First Aid Facility, Personal Protective Equipment	3
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 no. of STP of capacity 725 kld	112	28
2	Rainwater harvesting system	RWH tank and percolation pits	18	0.9
3	Solid waste managemen	OWC, Manpower and colored dustbins	20	8
4	Green Belt Development	Landscaping and tree plantation	15	4
5	Energy Saving Measures	Energy saving by using LED light poles on solar system, T5 lights, Lobby/Staircase on PV Panels and Lift-Regenerative Type	165	16

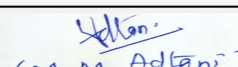
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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



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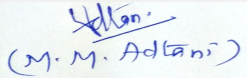

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	Separate entry & exit points					
Parking details:	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	1490.80 sq.mt.					
	Area per car:	6.78 sq.mt.					
	Area per car:	6.78 sq.mt.					
	Number of 2-Wheelers as approved by competent authority:	NA					
	Number of 4-Wheelers as approved by competent authority:	220 nos.					
	Public Transport:	NA					
	Width of all Internal roads (m):	9m and 6 m					
	CRZ/ RRZ clearance obtain, if any:	NA					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Approximately 1.05 km from Sanjay Gandhi National Park					
	Category as per schedule of EIA Notification sheet	8a (B2) Category					
	Court cases pending if any	NA					
	Other Relevant Informations	NA					
	Have you previously submitted Application online on MOEF Website.	No					
	Date of online submission	-					
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS							


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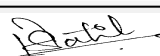
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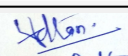
Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
Brief information of the project by SEAC	

SEAC-AGENDA-0000000164


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Environment Clearance for Proposed S. R. Scheme Under Clause 3.11 Read With Clause 3.5 and 3.9 (ii) of Appendix IV of DCR 33(10) No. at Plot Bearing C.T.S No. 16A Part And 16A/3 to 16A/13 of Villages Malad at Appa Pada, Malad (East), P-North Ward, Mumbai by Neelkanth Ghanwat & Others

Representative of PP was present during the meeting along with environmental consultant M/s Fine Envirotech Engineers Pvt.Ltd. PP informed that, they have received Environmental Clearance vide letter dated 5/10/2017 for total construction area of 57,328.80sq. m. PP further stated that, as per earlier EC, the project contained 6 nos. of buildings(5 no. of Rehab Buildings and 1 no. of Municipal Retail Market). PP further informed that, the project under consideration is for expansion due to change in permissible FSI.

PP informed that, the proposed expansion is vertical expansion by Addition of 12 upper floors in building R5 and addition of building no. R6, now the project contained (6 no. of Rehab Buildings and 1 no. of Municipal Retail Market).therefore now, the total plot area of the project is 11,698sq. m.having total construction area 75,851.04 Sq. mt.(FSI-46,766.05 Sq. mt.+ NON FSI-29,084.99 Sq mt.).

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. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC


In view of above, the proposal is deferred and shall be considered afresh only after the compliance of above observations.

Specific Conditions by SEAC:

- 1) PP to submit revised architect certificate.
- 2) PP to submit & upload the approved plan or plans submitted to MMRDA during earlier EC procedure.
- 3) PP to revise the CS as discussed during the meeting.
- 4) PP to ensure that, RG should be minimum 8% & purely on ground.
- 5) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
- 6) PP to submit the remarks regarding as per DCR, permissible height of building for 6 mt road width.
- 7) PP to submit the plan for solid waste generated in Market building.
- 8) PP to submit the detail calculation & design for STP.
- 9) PP to ensure that there will be no parking, STP or OWC proposed on drive way, as committed by PP.
- 10) PP to provide 2 wheeler parking including for cycles as per new rule.
- 11) As agreed by PP, PP to ensure that STP is with minimum 40% ventilation.

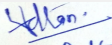
FINAL RECOMMENDATION

SEAC-II decided to defer the proposal. Kindly find SEAC decision above.


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


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai

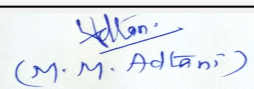
Is a Violation Case: No

1.Name of Project	Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Society for Rehabilitation of Crippled Children
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Vertical Expansion of Children Hospital
6.New project/expansion in existing project/modernization/diversification in existing project	Vertical Expansion of Children Hospital
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received CRZ NOC dated 04.01.2007 and 23.11.2010. Received Occupancy certificate for Wing 1 dt. 25.09.2009; Received Part Occupancy certificate for Wing 2 dt. 18.2.2017
8.Location of the project	Plot bearing C.S. No. 5/47 (pt), 47(pt) of Lower Parel Division, Plot no. 10 Hornby Vellard Estate Scheme, Mumbai
9.Taluka	Mumbai
10.Village	Lower Parel
Correspondence Name:	M/s. Society for Rehabilitation of Crippled Children
Room Number:	--
Floor:	--
Building Name:	Society for Rehabilitation of Crippled Children, Children Orthopedic Hospital
Road/Street Name:	Plot No. 10
Locality:	Haji Ali
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Amended IOD Plan Approval Number: EB/2130/GS/A dated 17.01.2018
	IOD/IOA/Concession/Plan Approval Number: Amended IOD Plan Approval Number: EB/2130/GS/A dated 17.01.2018
	Approved Built-up Area: 17723.07
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 19979.58 Sq. mt.; Received Occupancy certificate for Wing 1 dt. 25.09.2009; Received Part Occupancy certificate for Wing 2 dt. 18.2.2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	7352.80 Sq. mt.
16.Deductions	--
17.Net Plot area	7352.80 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 20254.17 Sq. mt.
	b) Non FSI area (sq. m.): 3230.93 Sq. mt.
	c) Total BUA area (sq. m.): 23485.10
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 17723.07 Sq. mt.
	Approved Non FSI area (sq. m.): 3230.93 Sq. mt.
	Date of Approval: 17-01-2018
19.Total ground coverage (m2)	4204.14 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57 %
21.Estimated cost of the project	1038800000


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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Hospital Building with 2 Wings	--	--
2	Wing 1	Ground + 5 Floors	20.70 mt. (up to terrace level)
3	Wing 2	Basement + Ground + 1st to 3rd Floor + 4th (Pt) Floor	20.60 mt. (up to terrace level)
23.Number of tenants and shops	Wing 1: Rehabilitation center Wing 2: 233 Beds		
24.Number of expected residents / users	Floating population - Wing 1: 278 Nos. Wing 2: 467 Nos.		
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))	18.30 mt. wide Kesharao Khadye Marg		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Average 8.00 mt.		
29.Existing structure (s) if any	Wing 1: Occupied and Wing 2: Completed and Occupied up to 3rd floor		
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

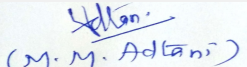
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Dry season:	Source of water	M.C.G.M./Tanker water								
	Fresh water (CMD):	184 (Domestic: From M.C.G.M.= 146 and Cooling tower make up water: From tanker water = 38 KLD)								
	Recycled water - Flushing (CMD):	171 (Flushing = 75 KLD And Cooling tower make up water = 96 KLD)								
	Recycled water - Gardening (CMD):	2 KLD								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	357 KLD								
	Fire fighting - Underground water tank(CMD):	304 Cum								
	Fire fighting - Overhead water tank(CMD):	36 Cum								
	Excess treated water	0								
Wet season:	Source of water	M.C.G.M./Tanker water/ RWH tank								
	Fresh water (CMD):	182 (Domestic: From M.C.G.M.= 146 and Cooling tower make up water: From tanker water = 36 KLD)								
	Recycled water - Flushing (CMD):	173 (Flushing = 75 KLD And Cooling tower make up water = 98 KLD)								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	355 KLD								
	Fire fighting - Underground water tank(CMD):	304 Cum								
	Fire fighting - Overhead water tank(CMD):	36 Cum								
	Excess treated water	0								
Details of Swimming pool (If any)	Not Applicable									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	--	--	--	--	--	--	--	--	--	


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2.0 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Rain Water Harvesting tank of capacity 138 KL for Wing 2
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Rs. 16.80 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.75 Lacs/annum
	Details of UGT tanks if any :	Wing 1: Underground Wing 2: Basement
35.Storm water drainage	Natural water drainage pattern:	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	0.18 m3/sec
	Size of SWD:	450 mm dia with slope 1:300
Sewage and Waste water	Sewage generation in KLD:	192 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	One STP of 200 KL
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs. 38.50 Lacs
	Budgetary allocation (O & M cost):	Rs. 15.86 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	--
	Disposal of the construction waste debris:	Construction waste which shall be generated during construction activity shall be partly recycled and remaining shall be disposed to authorized landfill site with permission of M.C.G.M.
Waste generation in the operation Phase:	Dry waste:	45 kg/day
	Wet waste:	30 kg/day
	Hazardous waste:	5 kg/day
	Biomedical waste (If applicable):	88 kg/day
	STP Sludge (Dry sludge):	29 kg/day
	Others if any:	--

Mode of Disposal of waste:	Dry waste:	To Authorized recyclers
	Wet waste:	Treatment in Organic Waste Converter (OWC)
	Hazardous waste:	Agreement with SMS Envoclean Pvt. Ltd for disposal
	Biomedical waste (If applicable):	Agreement with SMS Envoclean Pvt. Ltd. for disposal as per Bio-Medical Waste Management Rules, 2016
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	--
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	5 Sq. mt. Bio-medical waste storage, 10 Sq.mt. for other Municipal waste
	Area for machinery:	10 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 5.20 Lacs
	O & M cost:	Rs. 3.08 Lacs /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	--	--	--	--	--	--	--


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	D G Sets	--	--	--	--	--

40.Details of Fuel to be used

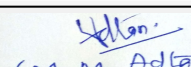
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

41.Source of Fuel	--
42.Mode of Transportation of fuel to site	--


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43.Green Belt Development	Total RG area :	1502.48 Sq. mt.
	No of trees to be cut :	Cut trees: 12 nos.
	Number of trees to be planted :	32 nos. of trees are already planted on site
	List of proposed native trees :	--
	Timeline for completion of plantation :	Already done

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	--	--	--	--

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 :	Brihan Mumbai Electric Supply & Transport (BEST)
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	4129 KW
	During Operation phase (Demand load):	1320 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	2 D.G. Sets of capacity 750 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- ? Provision of fluorescent fittings
- ? Provision of LED lights
- ? Provision of Solar water heating system

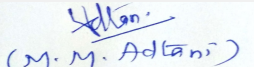
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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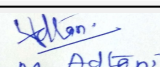

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1	Total energy saving	23 %		
50.Details of pollution control Systems				
Source	Existing pollution control system	Proposed to be installed		
Sewage	STP	--		
Solid waste	OWC	--		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 30.00 Lacs		
	O & M cost:	Rs. 0.25 Lacs/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	Dust Suppression	1.44	
2	Air Environment	Air & Noise Quality Monitoring -By outside MoEF Approved Laboratory	0.44	
3	Air Environment	Air & Noise Quality Monitoring -Sensors for Air quality & Noise level monitoring	11.00	
4	Water Environment	Drinking water analysis	0.06	
5	Land Environment	Site Sanitation	5.00	
6	Health & Hygiene	Disinfection- Pest Control	2.40	
7	Health & Hygiene	Health Check Up of workers	1.80	
8	Disaster Management	--	10.00	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT	Cost for Ambient Air quality & Noise Monitoring- By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
2	AIR & NOISE ENVIRONMENT	Cost for Ambient Air quality & Noise Monitoring - On site sensors	No set up cost is involved as already considered Construction Phase	0.50
3	AIR & NOISE ENVIRONMENT	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.10
4	AIR & NOISE ENVIRONMENT	Cost for Plantation	3.00	0.25
5	WATER ENVIRONMENT	Cost for Sewage Treatment Plant	38.50	6.00


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6	WATER ENVIRONMENT	Cost for water & waste water Monitoring - By outside MoEF & CC Approved Laboratory	No set up cost is involved	9.86
7	WATER ENVIRONMENT	Cost for RWH tanks	13.80	0.69
8	WATER ENVIRONMENT	Cost for Rainwater Monitoring	No set up cost is involved	0.05
9	LAND ENVIRONMENT	Cost for Treatment of biodegradable garbage	5.20	3.00
10	LAND ENVIRONMENT	Cost for Monitoring of OWC manure	No set up cost is involved	0.08
11	ENERGY CONSERVATION	Use of renewable energy - Solar system	30.00	0.24
12	DISASTER MANAGEMENT	--	205.00	112.50

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


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

52.Any Other Information

No Information Available

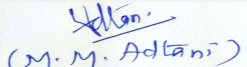
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	One entry and exit
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Shri M.M.Adtani (Chairman SEAC-II)

Parking details:	Number and area of basement:	One Basement
	Number and area of podia:	Not Applicable
	Total Parking area:	2900.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	138 Nos. (Including Ambulance and Handicapped parking (2 nos.))
	Public Transport:	Ambulance and Handicapped parking
	Width of all Internal roads (m):	Minimum 6.00 mt.
CRZ/ RRZ clearance obtain, if any:	Received CRZ NOC dated 04.01.2007 and 23.11.2010 (CRZ NOC attached as Enclosure in Forms)	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Arabian Sea: 60 mt.	
Category as per schedule of EIA Notification sheet	Category 8 (a)	
Court cases pending if any	Nil	
Other Relevant Informations	--	
Have you previously submitted Application online on MOEF Website.	Yes	
Date of online submission	23-05-2018	

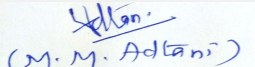
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-


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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai at Plot bearing C.S. No. 5/47 (pt), 47(pt) of Lower Parel Division, Plot no. 10 Hornby Vellard Estate Scheme, Mumbai by M/s. Society for Rehabilitation of Crippled Children


DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

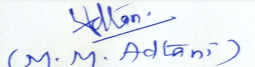
FINAL RECOMMENDATION

Kindly find SEIAA decision above.


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

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Expansion of SRA project

Is a Violation Case: No

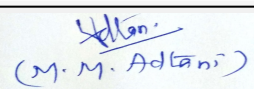
1.Name of Project	Proposed SRA project Mulund Ashirwad CHS Ltd. and Mulund Siddhart Nagar CHS Ltd.on plot bearing CTS No. 755 (pt.) at village Mulund, R.P. road, Mulund (West), Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	Riddhi Siddhi Corporation
4.Name of Consultant	Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	SRA scheme
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	Expansion project. Prior EC obtained (SEAC-2013/CR-340/TC-I)
8.Location of the project	Plot bearing CTS no. 755 (pt.) of village Mulund at R.P. Road, Mulund (W), Mumbai
9.Taluka	Kurla
10.Village	Mulund
Correspondence Name:	Riddhi Siddhi Corporation
Room Number:	1/3
Floor:	-
Building Name:	Krishnai Unnat Nagar no. 1
Road/Street Name:	M. G. Road
Locality:	Near Gajanan Temple
City:	Goregaon (West)
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOA under Sub regulation 2.3 of Appendix-IV od D.C.R. No. 33(10) Dt. 15.10.97 for Brihanmumbai.
	IOD/IOA/Concession/Plan Approval Number: IOA for Rehab 1 wide letter no SRA/ENG/2649/T/MHL/AP Dated 17 Oct 2017, IOA for Rehab 2 wide letter no SRA/ENG/3109/T/MHL/AP Dated 17 Oct 2017, IOA for sale building wide letter no SRA/ENG/3251/T/MHL/AP Dated 17 Oct 2017,
	Approved Built-up Area: 30331.095
13.Note on the initiated work (If applicable)	constructed area on site is 23736.96 Sq m. as per earlier EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from Slum Rehabilitation Authority. No.: SRA/ENG/1653/T/MHL/LOI dated: 14/02/2017
15.Total Plot Area (sq. m.)	7860.00 sq. m
16.Deductions	1295.07 sq. m
17.Net Plot area	6564.93 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 39712.41
	b) Non FSI area (sq. m.): 60242.28
	c) Total BUA area (sq. m.): 99954.69
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 30331.095
	Approved Non FSI area (sq. m.): -
	Date of Approval: 14-02-2017
19.Total ground coverage (m2)	2321.50
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50.23 %
21.Estimated cost of the project	3265000000


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

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(M. M. Adtani)

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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab building 1	Basement + Gr+ 24	69.90
2	Rehab building 2	Basement + Gr + 23 (pt)	67.41
3	Sale building (Wing A to F)	Basement + Stilt + 23	69.90
23. Number of tenants and shops	Tenements: 1174 Shops: 10		
24. Number of expected residents / users	6580		
25. Tenant density per hectare	1494 / Hector		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	9m wide Gaikwad 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	Constructed area on site is 23736.96 Sq m as per earlier EC		
30. Details of the demolition with disposal (If applicable)	Existing slums were demolished; suitable demolition waste used for land-filling at site and the rest disposed at 'Kanjur Dumping Ground' as per Debris Management Plan.		


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

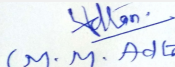
 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	SEAC Meeting No: 78 Meeting Date: November 17, 2018	Page 63 of 126	 (M. M. Adtani) Shri M.M. Adtani (Chairman SEAC-II)
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Dry season:	Source of water	MCGM								
	Fresh water (CMD):	542								
	Recycled water - Flushing (CMD):	275								
	Recycled water - Gardening (CMD):	7								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	824								
	Fire fighting - Underground water tank(CMD):	700								
	Fire fighting - Overhead water tank(CMD):	360								
	Excess treated water	380								
Wet season:	Source of water	MCGM+RWH								
	Fresh water (CMD):	542								
	Recycled water - Flushing (CMD):	275								
	Recycled water - Gardening (CMD):	-								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	817								
	Fire fighting - Underground water tank(CMD):	700								
	Fire fighting - Overhead water tank(CMD):	360								
	Excess treated water	387								
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	



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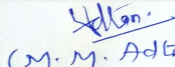

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1.5 m below Ground Level
	Size and no of RWH tank(s) and Quantity:	RWH Tank Nos:3, Total Capacity: 275 m3
	Location of the RWH tank(s):	Below Ground Level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	21 Lacs
	Budgetary allocation (O & M cost) :	1 Lacs/year
	Details of UGT tanks if any :	Domestic water tank, Flushing tank, RWH tank, Fire fighting tanks are provided underground
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	Rehab 1: 65.95 lps, Rehab 2: 65.95 lps, and for Sale building: 167.31 lps
	Size of SWD:	450mm X 450mm, 450mm X 450mm, 450mm X 600mm
Sewage and Waste water	Sewage generation in KLD:	735
	STP technology:	MBBR
	Capacity of STP (CMD):	No of STPs : 2 Capacity of STP : 300 KLD and 410 KLD
	Location & area of the STP:	Location : Underground
	Budgetary allocation (Capital cost):	80 Lacs
	Budgetary allocation (O & M cost):	13 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1416 cum excavation is done for basement during construction phase.
	Disposal of the construction waste debris:	Excavated waste is used for the earth filling area between rail line and NH-348A.
Waste generation in the operation Phase:	Dry waste:	1184 kg/day
	Wet waste:	1775 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 m3
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	Will be handed over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the OWC and the manure so obtained shall be used for landscaping /gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be treated in OWC with wet waste and used as manure
	Others if any:	NA
Area requirement:	Location(s):	Basement
	Area for the storage of waste & other material:	98 Sq m
	Area for machinery:	3.0 Sq m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	15 Lacs
	O & M cost:	3.7 Lacs/ Year

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

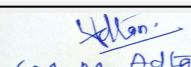
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	1468.67 sq. m
	No of trees to be cut :	Nil
	Number of trees to be planted :	152 Nos
	List of proposed native trees :	Shirish, Neem, Maharukh, Nandruk, Karanj, Satwin, Sita Ashok, Katesavar, Kadamb, Bahava
	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	Albizia lebbeck	Shirish	10	-
2	Azadiracta indica	Neem	7	-
3	Ailanthus excelsa	Maharukh	13	-
4	Ficus retusa	Nandruk	17	-
5	Pongamia pinnata	Karanj	15	-
6	Alstonia scholaris	Satwin	15	-
7	Saraca asoka	Sita Ashok	28	-
8	Bombax ceiba	Katesavar	15	-
9	Anthocephallus cadamba	Kadamb	12	-
10	Cassia fistula	Bahava	20	-

45.Total quantity of plants on ground

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

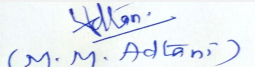
Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy


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(M. M. Adtani)
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SEAC-II)**

Power requirement:	Source of power supply :	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	2884 kW
	During Operation phase (Demand load):	1929 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	-
	Fuel used:	-
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

CFL Lights
T5 Fitting
LED Lights
Timer for External lighting

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Savings	18.48 %

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:	25 Lacs
	O & M cost:	1 Lacs/Year

51. Environmental Management plan Budgetary Allocation

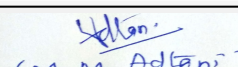
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Water for Dust Suppression	0.5
2	Site Sanitation & Safety	Site Sanitation & Safety	3.36
3	Environmental Monitoring	For Air, Noise and Water	0.75
4	Disinfection	Disinfection	1.80


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5	Health Check up	Health Check up	1.68	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Rain Water Harvesting	21	1
2	Solid Waste Management	Solid Waste Management	15	3.7
3	Sewage Treatment Plant	Sewage Treatment Plant	80	13
4	Energy	Energy	25	1
5	landscaping	Landscaping	8	1

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


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

52.Any Other Information

No Information Available

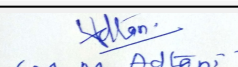
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4 nos
Parking details:	Number and area of basement:	1 Basement, Area: 2929.33 Sq .m
	Number and area of podia:	-
	Total Parking area:	3082.33 Sq m
	Area per car:	27.04 Sq m
	Area per car:	27.04 Sq m
	Number of 2-Wheelers as approved by competent authority:	15
	Number of 4-Wheelers as approved by competent authority:	114
	Public Transport:	NA
Width of all Internal roads (m):	6 m	


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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	2 Km Sanjay Gandhi National Park.
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

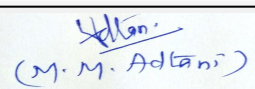
Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC


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

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 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)

Environment Clearance for Expansion of SRA project at Plot bearing CTS no. 755 (pt.) of village Mulund at R.P. Road, Mulund (W), Mumbai by Riddhi Siddhi Corporation

DECISION OF SEAC


PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

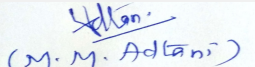
Kindly find SEIAA decision above.

SEAC-AGENDA-00000000164


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

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for PROPOSED HOSPITAL BUILDING ON PLOT NO. AM 6 OF NAGARI NIWARA PARISHAD IS LOCATED ON PLOT BEARING CTS NO 827/C/1/20 OF VILLAGE MALAD (E) , MUMBAI

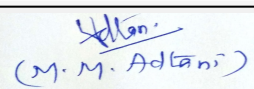
Is a Violation Case: No

1.Name of Project	PROPOSED HOSPITAL BUILDING ON PLOT NO. AM 6 OF NAGARI NIWARA PARISHAD IS LOCATED ON PLOT BEARING CTS NO 827/C/1/20 OF VILLAGE MALAD (E) , MUMBAI
2.Type of institution	Private
3.Name of Project Proponent	DR. VIKAS AGRAWAL
4.Name of Consultant	Building Environment (India) Pvt. Ltd. Dakshina Building, Office No-401,4th Floor, Beside Raigad Bhavan Sakal Bhavan Rd, Sector 11 ,CBD Belapur, Navi Mumbai, Maharashtra 400614
5.Type of project	Proposed development involves construction of Hospital building
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	Proposed development on plot no. AM 6 of Nagari Niwara Parishad is located on plot bearing CTS no 827/C/1/20 of village Malad , Mumbai. .Refer Annexure I for site location map
9.Taluka	Borivali
10.Village	Malad (East)
Correspondence Name:	GROUND FLOOR, SATYAM TOWER, 90 FEET ROAD, BEHIND HDFCBANK, THAKUR COMPLEX, KANDIVALI(E), MUMBAI
Room Number:	GROUND FLOOR, SATYAM TOWER, 90 FEET ROAD, BEHIND HDFCBANK, THAKUR COMPLEX, KANDIVALI(E), MUMBAI
Floor:	GROUND FLOOR
Building Name:	SATYAM TOWER,
Road/Street Name:	90 FEET ROAD,
Locality:	KANDIVALI (E)
City:	MUMBAI-400-101
11.Area of the project	The proposed project falls in limits of Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD obtained from MCGM on 13th May 2014 IOD/IOA/Concession/Plan Approval Number: Approved concession U/NO CHE/A-0303/BP(WS)AP dated 31.05.2014 Approved Built-up Area: 27106.70
13.Note on the initiated work (If applicable)	No construction is initiated on site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CFO NOC obtained on 7th January 2014
15.Total Plot Area (sq. m.)	4600.10 sq.m
16.Deductions	690.02 sq.m
17.Net Plot area	3910.08sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 18768.00sq.m b) Non FSI area (sq. m.): 8338.70 sq.m c) Total BUA area (sq. m.): 27107
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 18768.00 sq mt Approved Non FSI area (sq. m.): 8338.70 sq mt Date of Approval: 07-01-2014
19.Total ground coverage (m2)	2498.14
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.31%



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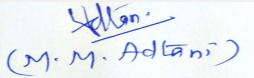

(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

21. Estimated cost of the project		900000000		
22. Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	1	2lvl basement+Gr+7 part	29.99m	
23. Number of tenants and shops		Nil		
24. Number of expected residents / users		2000		
25. Tenant density per hectare		Nil		
26. Height of the building(s)				
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))		18.30 m		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		11m		
29. Existing structure (s) if any		Nil		
30. Details of the demolition with disposal (If applicable)		No demolition activity will take place.		
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				



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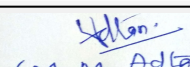

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Dry season:	Source of water	MCGM								
	Fresh water (CMD):	131KLD								
	Recycled water - Flushing (CMD):	61KLD								
	Recycled water - Gardening (CMD):	2.3 KLD;								
	Swimming pool make up (Cum):	--								
	Total Water Requirement (CMD) :	294 KLD								
	Fire fighting - Underground water tank(CMD):	--								
	Fire fighting - Overhead water tank(CMD):	--								
	Excess treated water	--								
Wet season:	Source of water	MCGM and Rain water harvesting supply , Recycled water supply								
	Fresh water (CMD):	131KLD								
	Recycled water - Flushing (CMD):	61KLD								
	Recycled water - Gardening (CMD):	AC MAKE UP :100 KLD								
	Swimming pool make up (Cum):	--								
	Total Water Requirement (CMD) :	292 KLD								
	Fire fighting - Underground water tank(CMD):	--								
	Fire fighting - Overhead water tank(CMD):	--								
	Excess treated water	--								
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	



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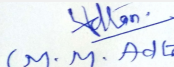

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2 to 5 m
	Size and no of RWH tank(s) and Quantity:	67 cu, No of RWH tanks: 1
	Location of the RWH tank(s):	overhead tank
	Quantity of recharge pits:	Nil. Hard Strata. Not good for recharging.
	Size of recharge pits :	not applicable
	Budgetary allocation (Capital cost) :	Rs 2500000
	Budgetary allocation (O & M cost) :	Rs 125000
	Details of UGT tanks if any :	Domestic water tank Basement 70cum Domestic water tank Basement 70cum Flushing water tank Basement 42.5 cum Flushing water tank Basement 42.5 cum Fire fighting tank Basement 50cum Fire fighting tank Basement 50cum Raw tank Basement 100cum Raw tank Basement 100cum OVERHEAD TANK Fire fighting tank Overhead 30cum Fire fighting tank Overhead 30cum Fire fighting tank Overhead 30cum
35.Storm water drainage	Natural water drainage pattern:	Natural storm water drainage pattern
	Quantity of storm water:	0.089 cum/sec.
	Size of SWD:	0.225
Sewage and Waste water	Sewage generation in KLD:	166 cum/day
	STP technology:	Wastewater produced will be treated on site in a Sewage Treatment Plant of capacity 200 KLD working on 'MBBR technology.
	Capacity of STP (CMD):	Number of STP's :1, Sewage Treatment Plant of capacity 200KLD working on 'MBBR technology. The recycled water 161 KLD respectively will be used for AC make up and flushing.
	Location & area of the STP:	Location: Upper Basement, Area of STP Room = 168 M2 (1560 Sq.ft)
	Budgetary allocation (Capital cost):	Capital cost : Rs. 56Lacs
	Budgetary allocation (O & M cost):	O&M :6Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Demolition waste: No demolition activity will take place and hence no demolition waste will be generated
	Disposal of the construction waste debris:	Entire waste will be used within project for filling ,leveling ,for elevated roads and road construction


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Waste generation in the operation Phase:	Dry waste:	Dry waste: 1.11 TPD
	Wet waste:	Wet waste: 0.48 TPD
	Hazardous waste:	Hazardous waste: 5Kg/day
	Biomedical waste (If applicable):	Bio medical waste (kg/month):152 Kg/day
	STP Sludge (Dry sludge):	STP sludge (Dry sludge) kg/day:0.042TPD
	Others if any:	--
Mode of Disposal of waste:	Dry waste:	Dry waste would be handed over to authorized vendors & part of waste would be recycled.
	Wet waste:	Wet waste would be treated on site using 'Organic waste converter of model. The residue after treatment will be used as manure.
	Hazardous waste:	The hazardous material will be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 The waste oil and other products will be stored in sealed containers and will be sold to authorized recycling agents.
	Biomedical waste (If applicable):	Proper segregation and handling as per rules. Care will be taken that no bio medical waste will get mixed into municipal waste. No untreated biomedical waste shall be kept and store beyond period of 48hrs. Disposed of Biomedical waste will be as per Bio-Medical Waste Management (Amendment) Rules, 2018.Membership will be obtained with licensed vendor for storage and disposal of biomedical waste.
	STP Sludge (Dry sludge):	sludge will be processed through filter press and will be used as manure with in the project.
	Others if any:	--
Area requirement:	Location(s):	upper basement
	Area for the storage of waste & other material:	Total area provided for the storage and treatment of the solid waste: About 50sq.m in upper basement, Total area provided for the storage biomedical waste: 11.17mx 6.47m in upper basement, Total area provided for the storage E waste: 6.15m x 5.15m in upper basement.
	Area for machinery:	as above
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 18.5 lakh
	O & M cost:	6Lakhs/yr

37.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		111			
Capacity of the ETP:		300 KLD			
Amount of treated effluent recycled :		99 CMD			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		The Biomedical waste will be separated & handed over to MPCB authorized agency .			
Disposal of the ETP sludge		ETP sludge generated shall be 15 kg / day which will be disposed through MPCB authorised agency			

38.Hazardous Waste Details

 (Dr. B. N. Patil) Member Secretary SEAC (MMR) Dr. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 78 Meeting Date: November 17, 2018	Page 76 of 126	 (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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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 :	461.50 sq.m
No of trees to be cut :	--
Number of trees to be planted :	2 trees per 100 sqmt (open area = 49.54 sqmt therefore 2 nos of trees are required) and 5 trees per 100 sqmt in R.G (R.G area = 461.50 sqmt therefore 25 trees) hence total 27 trees proposed
List of proposed native trees :	Sita Ashok,Shivan,Adina cordifoli,Shirish,Indian tulip tree, Charcoal Tree,Bartondi
Timeline for completion of plantation :	Through out construction period

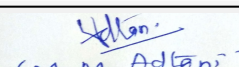
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoka	Sita Ashok	3	Shady tree with red-yellow flowers.
2	Gmelina arborea	Shivan	3	Fast growing tree with beautiful yellow flowers
3	Adina cordifoli	Kadam	3	The flowers are usually yellow often tinged with a shade of pink. The bark of the tree acts as an antiseptic.
4	Melia azadirachta	Chinaberry tree	3	deciduous tree,he flowers are small and fragrant. The fruit is a drupe, marble-sized, light yellow at maturity
5	Theseatia populnea	Indian tulip tree, bhendi	3	--
6	Albizia lebbeck	Shirish	2	Shady tree, yellowish green fragrant flowers
7	Bahunia purpurea	Bartondi	3	--
8	Mimusops elengi	Charcoal Tree	2	--
9	Aegle marmelos	Bahunia	3	--


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10	TOTAL	--	25	--
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 :	Reliance		
	During Construction Phase: (Demand Load)	100KW		
	DG set as Power back-up during construction phase	NIL		
	During Operation phase (Connected load):	Connected Load- 4604 KW		
	During Operation phase (Demand load):	Maximum Demand- 2977 KW		
	Transformer:	NA		
	DG set as Power back-up during operation phase:	DG set- 3no. 1000 KVA		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	NA		
48.Energy saving by non-conventional method:				
<p>Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation. This also results in less demand for the project.</p> <p>The common area lighting are proposed to work on high energy efficient lamps LED type.</p> <p>50% Outdoor lighting is proposed on individual solar panel mounted directly on poles.</p> <p>Lifts are proposed with regenerative drives.</p> <p>No saving considered for medical equipment load.</p> <p>Use of Heat pumps for hot water system.</p> <p>HVAC- Using VFDs for cooling tower fan motors will give 8-10% saving.</p>				
49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures	Saving %		
1	Lift load with regenerative drives	560640 KWH		
2	Utility load	1615308 KWH		
3	Water heating system	423400 KWH		
4	Common area + outdoor lighting Load	79920 KWH		
5	Internal Load	14663474 KWH		
6	Total energy saving	11.79%		
50.Details of pollution control Systems				
Source	Existing pollution control system	Proposed to be installed		
 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> Dr. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 78 Meeting Date: November 17, 2018		Page 78 of 126	 <small>(M. M. Adtani)</small> Shri M.M.Adtani (Chairman SEAC-II)

Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Energy conservation : 25 lakhs ; Heat pumps 100 lakhs
	O & M cost:	15 lakhs /year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

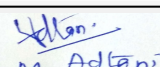
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Workers facilities	2.5
2	Water	Installation of STP	50
3	Water	Installation of WTP	10
4	Water	Installation of RWH system	15
5	Water	Storm water Drainage system	10
6	Air	Sprinkling water twice/thrice a day	NA
7	Air	Screens along perimeter of site	35
8	Air	Stockpiling of excavated soil	1.5
9	Air	Covering dusty load on vehicles by impervious sheet	0.5
10	Air	Periodic maintenance of construction equipment	NA
11	Air	Monitoring air quality till construction is on	NA
12	Noise	PPE to workers (65 labours)	1.7
13	Noise	Barricading of the site with 3m high GI sheet	--
14	Noise	Maintenance of construction equipment periodically	NA
15	Noise	Monitoring noise level onsite through laboratory & sending six monthly monitoring report to MPCB till construction is on.	NA
16	Solid waste Management	For Segregation of Waste (3 Colour bins on each floor)	2.5
17	Solid waste Management	For treatment of Bio degradable waste OWC 60 model will be installed	9
18	Solid waste Management	E waste mgnt.	2


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19	Solid waste Management	Hazardous waste mgnt.	5
20	Energy conservation	Energy conservation	20
21	Fees for environmental consultant	Fees for environmental consultant	6
22	Installation of DMP equipments	Installation of DMP equipments	2.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	Maintenance of STP(MBBR technology)	included in construction phase	14
2	Water	Maintenance of WTP	included in construction phase	2.5
3	Water	Maintenance of RWH	included in construction phase	1.25
4	Land	Maintenance of Landscaped area	included in construction phase	0.5
5	Solid waste management	Solid waste management	included in construction phase	6
6	Energy	Energy conservation	included in construction phase	0.80
7	Equipment	Maintenance of DMP equipments	included in construction phase	2.40

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

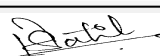
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

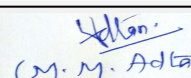
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	The proposed project site is located in the metropolitan settings of Mulund, Mumbai city.
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Parking details:	Number and area of basement:	2 level basements Upper Basement area 3923.98 sq.m Lower Basement area 3668.61sq.m
	Number and area of podia:	NIL
	Total Parking area:	2705.28 sq.m
	Area per car:	15.41 sqmt
	Area per car:	15.41 sqmt
	Number of 2-Wheelers as approved by competent authority:	Scooter parking 16 no.s
	Number of 4-Wheelers as approved by competent authority:	Transport vehicles 6 no.s; Ambulance 2 no.s ;Total parking proposed 163 no.s including visitor parking.
	Public Transport:	NIL
Width of all Internal roads (m):	NIL	
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:6kms	
Category as per schedule of EIA Notification sheet	8B2	
Court cases pending if any	There is one court case filed by NNP against Collector's Stay Order for transfer of plot from NNP to third party .	
Other Relevant Informations	NA	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

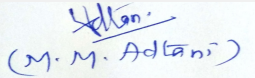
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-



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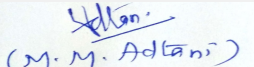

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-
Brief information of the project by SEAC	
Environment Clearance for PROPOSED HOSPITAL BUILDING ON PLOT NO. AM 6 OF NAGARI NIWARA PARISHAD IS LOCATED ON PLOT BEARING CTS NO 827/C/1/20 OF VILLAGE MALAD (E) , MUMBAI by DR. VIKAS AGRAWAL	
DECISION OF SEAC	
<i>PP was absent; hence the project is deferred.</i>	
Specific Conditions by SEAC:	
FINAL RECOMMENDATION	
Kindly find SEIAA decision above.	


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Shri M.M.Adtani (Chairman SEAC-II)


Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Environment Clearance for proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd.

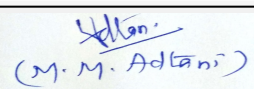
Is a Violation Case: No

1.Name of Project	Proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Veer Bharati Kouls
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Land bearing Gat no. 12/1, 12/3/a, 12/3/b, 13/4, 13/13, 14/3, 13/3,13/12, 14/5 of Village Vehale and 52, 53/1, 53/8, 53/5, 53/6, 54/1, 49/5, 49/12, 49/6, 53/4, 53/2, 49/10, 53/3, 53/7, 53/9 of Village Sarang, Taluka Bhiwandi, District Thane.
9.Taluka	Bhiwandi
10.Village	Sarang & Vehale
Correspondence Name:	Mr. Veer Bharati Kouls
Room Number:	929
Floor:	1st Floor
Building Name:	Mantri House
Road/Street Name:	FC Road
Locality:	Pune
City:	Pune
11.Area of the project	Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Application in process IOD/IOA/Concession/Plan Approval Number: Application in process Approved Built-up Area: 128472
13.Note on the initiated work (If applicable)	No work has been initiated as it is a new project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Application in process
15.Total Plot Area (sq. m.)	55,812 m2
16.Deductions	Road widening (45 m) : 2,443 m2 Total deductions 2,443 m2
17.Net Plot area	53,369 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 73,875 m2 b) Non FSI area (sq. m.): 54,597 m2 c) Total BUA area (sq. m.): 128472
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 73,875 m2 Approved Non FSI area (sq. m.): 54,597 m2 Date of Approval:
19.Total ground coverage (m2)	9,683.06 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.35% of total net plot area
21.Estimated cost of the project	2070000000


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**Dr. B.N.Patil (Secretary
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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	P + 22 floors	66.70
2	Building B1	P + 17 floors	52.45
3	Building B2	P + 17 floors	52.45
4	Building B3	P + 17 floors	52.45
5	Building C1	P + 21 floors	63.85
6	Building D1	G + 1 floor + 20 parking floors	66.30

23.Number of tenants and shops	1. Total number of tenements - 3,157 nos. 2. Total number of shops - 50 nos.
24.Number of expected residents / users	1. Residential population - 12,145 nos., 2. Commercial population - 150 nos., 3.Total population - 12,295 nos.
25.Tenant density per hectare	600 tenants/ha
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 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal road - 12 m & Turning radius - 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

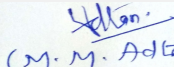
 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	SEAC Meeting No: 78 Meeting Date: November 17, 2018	Page 84 of 126	 (M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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Dry season:	Source of water	S.T.E.M, Thane								
	Fresh water (CMD):	1,097								
	Recycled water - Flushing (CMD):	549								
	Recycled water - Gardening (CMD):	103								
	Swimming pool make up (Cum):	Not applicable								
	Total Water Requirement (CMD) :	1,646								
	Fire fighting - Underground water tank(CMD):	As per Fire NOC								
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC								
	Excess treated water	575								
Wet season:	Source of water	S.T.E.M, Thane								
	Fresh water (CMD):	1,097								
	Recycled water - Flushing (CMD):	549								
	Recycled water - Gardening (CMD):	51								
	Swimming pool make up (Cum):	Not applicable								
	Total Water Requirement (CMD) :	1,142								
	Fire fighting - Underground water tank(CMD):	As per Fire NOC								
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC								
	Excess treated water	626								
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	


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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer season -18.40 m to 24.00 m below ground level (21.20 m below ground level average), Rainy season - 8.80 m to 13.00 m below ground level (10.90 m below ground level average), Winter season - 13.60 m to 18.50 m below ground level (16.05 m below ground level average)
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	11 nos. of recharge pits
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs.20 Lakh
	Budgetary allocation (O & M cost) :	Rs.4 Lakh/Year
	Details of UGT tanks if any :	1. Domestic UG tank capacity - 1,097 m ³ 2. Flushing UG tank capacity - 550 m ³ 3. Fire UGT tank capacity - As per Fire NOC

35. Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	32.27 m ³ /min
	Size of SWD:	Pipe and chamber network diameter 150, 200, 250, 300, 450 mm

Sewage and Waste water	Sewage generation in KLD:	1,400 m ³ /day
	STP technology:	Moving Bed Biofilm reactor (MBBR)
	Capacity of STP (CMD):	1 no. of STP having capacity 1,469 m ³ /day
	Location & area of the STP:	Location - On ground (South side of the project), Area of STP - 700 m ²
	Budgetary allocation (Capital cost):	Rs.115 Lakh
	Budgetary allocation (O & M cost):	Rs.24 lakh /Year

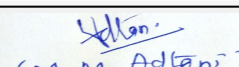
36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	The total excavation quantity is 16,580 m ³
	Disposal of the construction waste debris:	The debris will be stored in amenty space & will be used for landscaping purpose.
Waste generation in the operation Phase:	Dry waste:	1,433 kg/day
	Wet waste:	2,204 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	99 kg/day
	Others if any:	e-waste - 37 kg/day


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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed of to recyclers.
	Wet waste:	Wet garbage will be treated by using Organic waste converter machine
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	e-waste authorized hazardous waste management agencies..
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	200 m2
	Area for machinery:	55 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.35 Lakh
	O & M cost:	Rs.1.5 Lakh/year

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

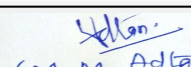
40.Details of Fuel to be used

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 :	13,342.20 m ²
	No of trees to be cut :	19 nos. of trees will be cut/transplanted
	Number of trees to be planted :	698 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of Civil Works.

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	Albizzia Lebbek	Shirish	22	Shady tree with yellowish green fragrant flowers
2	Artocarpus heterophyllus	Fanas	46	Shady tree, arrests soil erosion
3	Azadirachta indica	Neem/ Kadunimb	38	Hardy, drought resistant Medicinal Tree
4	Bauhinia purpurea	Apata /Kanchan	28	Butterfly-host tree
5	Cassia fistula	Bhava	24	Drought-resistant, Shady Tree
6	Dalbergia Sisoo	Sisoo/ Shisham	27	Drought-resistant, Shady Tree
7	Lagerstroemia Flosreginae	Tamhan	33	Hardy, Shady, Ornamental Tree
8	Mangifera Indica	Mango/ Amba	93	Fruits attract birds and butterflies
9	Michelia Champaka	Piwala Chapha	15	Butterfly Host Plant
10	Mutingia Calabaura	Cherry	94	Fruits attract Birds and Butterflies
11	Pterospermum Acerifolium	Muchkund	37	Quick growing tree
12	Pongamia Pinnata	Karanj	20	Shade-giving tree
13	Saraca Indica	Sita Ashok	60	Shade-giving tree
14	Syzgium Cumini	Jamun/ Jambhul	99	Shady Tree, fruits attract birds and butterflies
15	Tamarindus Indica	Imli/ chinch	62	Shady tree, fruits attract birds and butterflies
16	Total No of Trees	-	698	-
17	Existing Trees	-	10 nos. (to retained) + 19 nos. (to be cut/transplanted) = 29 nos.	-

45.Total quantity of plants on ground

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

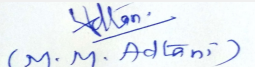
Serial Number	Name	C/C Distance	Area m ²
1	Not applicable	Not applicable	Not applicable

47.Energy


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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	1 no. x 125 kVA
	During Operation phase (Connected load):	4,540 kW
	During Operation phase (Demand load):	3,766 kW
	Transformer:	6 nos. x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 400 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

1. LED lights, VFD and APFC Panel in Lifts, Water pumps for non-conventional
2. Solar hot water systems for residential building.
3. Solar panel will be installed for common facilities wherever possible.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving from LED Lights	1.78%
2	Energy Saving from VFD & APFC in Lifts	0.21%
3	Energy Saving from VFD in Pumps	0.70%
4	Energy Saving from Solar Water Heaters	13.44%
5	Energy Saving from Solar PV	0.52%
6	Overall energy saving for the project	17%

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.127 Lakh
	O & M cost:	Rs.11 Lakh/year

51. Environmental Management plan Budgetary Allocation

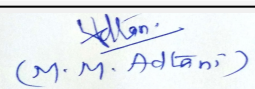
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air water Environment	During the construction phase, water will be required for sprinkling for suppression of dust and for construction purpose.	2
2	Site sanitation & Health Safety	Toilet facility provided to the labours. Six monthly health checkup and doctor visit as per requirement, First aid facilities	5
3	Environment Monitoring	Ambient air, drinking water, noise and soil testing on monthly basis	2
4	Disinfection	Cleaning and maintaining the site.	3
5	Health Check up	Masks, Ear plugs, safety shoes, safety googles, safety harness, Safety belt, helmets, safety net, hand gloves etc.	3
6	Total	-	15

b) Operation Phase (with Break-up):

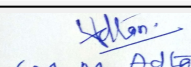
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STP having capacity of 1,469 m ³ /day	115.00	24.00
2	Solid Waste management	1 no. of OWC unit	30.00	1.50
3	Landscape & Irrigation Development	698 nos. of trees to be planted. Developed and maintained landscape area is 13,348.20 m ²	55.00	6.00
4	Environment Monitoring	Air, Water, Noise, Soil, surface water, STP treated water etc.	MoEF approved laboratory	5.00
5	Energy conservation	Solar street lighting	127.00	11.00
6	Rain water harvesting	11 nos. of recharge pits of Size of recharge pits: 2 m x 2 m x 2 m	20.00	4.00
7	Laying of storm & Sever line up to final disposal point	Storm water channel will connect up to nalla line	135.00	5.00
8	Total	-	482.00	56.50

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


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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

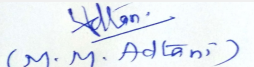
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no of junction
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	1 no. of podium having area 6,276.72 m ²
	Total Parking area:	44,303.98 m ²
	Area per car:	Open parking 25 m ² /car; covered parking 37.65 m ² /car
	Area per car:	Open parking 25 m ² /car; covered parking 37.65 m ² /car
	Number of 2-Wheelers as approved by competent authority:	3,203 nos.
	Number of 4-Wheelers as approved by competent authority:	812 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2 category
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable


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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd.

Representative of PP was present during the meeting along with environmental consultant M/s Mahabal Enviro Engineers Pvt.Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 55,800Sq. Meters., Total BUA of 1,28,472Sq. Mtrs(FSI- 73,875Sq. mt.+ NON FSI- 54,597Sq.mt.) comprising building profile as Building A1- Ground (stilt) floor + 22 floors, Building B1,B2,B3- Ground (stilt) floor + 17 floors, Building C1- Ground (stilt) + 21 floors and Building D1- Ground + 1st floor commercial + 2nd to 22nd upper parking floors.

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. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC


In view of above, the proposal is deferred and shall be considered only after the compliance of above observations.

Specific Conditions by SEAC:

- 1) PP to submit & upload the copy of acknowledgement for plansubmitted to local planning authority.
- 2) PP to submit & upload the DP remark
- 3) PP to ensure that BoD of the treated waste water should be 5 mg/lit.
- 4) PP to submit time line for construction of sewer line & storm water line.
- 5) PP to submit NoC from Railway Authority.
- 6) PP & concern local authorities ensure that, project should bring to the zero discharge.
- 7) PP to submit details of amalgamated of plots.
- 8) PP to submit details of amenity reservations.
- 9) PP to submit Regional plan & DP remarks
- 10) PP to explore the measures like solar wind hybrid technology for energy savings.
- 11) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
- 12) PP to ensure that, there will be no nalla diversions.
- 13) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis reports and measures to reduce heat island effect.
- 14) PP to submit & upload CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.

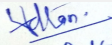
FINAL RECOMMENDATION

SEAC-II decided to defer the proposal.Kindly find SEAC decision above.


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

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(M. M. Adtani)
**Shri M.M.Adtani (Chairman
SEAC-II)**

Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed project on plot bearing CTS No. 533, 533/1, 533/2 to & 553 of village Nahur, L. B. S. Road, Mulund (W), T- Ward

Is a Violation Case: No

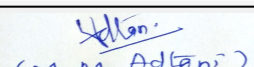
1.Name of Project	Proposed project on plot bearing CTS No. 533, 533/1, 533/2 to & 553 of village Nahur, L. B. S. Road, Mulund (W), T- Ward
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kalpataru Ltd.
4.Name of Consultant	Building Environment (India) Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	Proposed project on plot bearing CTS No. 533, 533/1, 533/2 to & 553 of village Nahur, L. B. S. Road, Mulund (W), T- Ward
9.Taluka	Mulund
10.Village	Nahur
Correspondence Name:	Mr. Suresh Mehta
Room Number:	101,
Floor:	10th Floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Vakola, Santacruz (E)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Concession approval IOD/IOA/Concession/Plan Approval Number: CE/4901/BPES/AT Approved Built-up Area:
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	26367.20
16.Deductions	5273.44
17.Net Plot area	20350.76
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 84734.90 b) Non FSI area (sq. m.): 109225.339 c) Total BUA area (sq. m.): 193960.239
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 12,894.55 Approved Non FSI area (sq. m.): - Date of Approval: 01-01-1900
19.Total ground coverage (m2)	8650.37
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.78
21.Estimated cost of the project	9190000000

22.Number of buildings & its configuration



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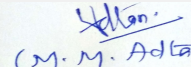

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A	2 Basements + Gr. floor + (5 podiums + Resi) + 6th Podium with services + 54 (Part) Resi. Floors	179.50	
2	Wing B & Wing C	2 Basements + Gr. floor + (5 podiums + Resi) + 6th Podium with services + 53 Resi. Floors	176.50	
3	Club House	2Gr + 1st floor	8.0	
23.Number of tenants and shops		Resi. Tenements : 890 Nos.		
24.Number of expected residents / users		Residents : 4910 Nos.		
25.Tenant density per hectare		3380		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		30.50 mt. L. B. S. Road		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		6.0 mt.		
29.Existing structure (s) if any		Already demolished		
30.Details of the demolition with disposal (If 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				



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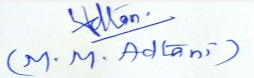

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Dry season:	Source of water	MCGM/ Recycled water								
	Fresh water (CMD):	460								
	Recycled water - Flushing (CMD):	256								
	Recycled water - Gardening (CMD):	27								
	Swimming pool make up (Cum):	6 KL								
	Total Water Requirement (CMD) :	743								
	Fire fighting - Underground water tank(CMD):	600 CuM								
	Fire fighting - Overhead water tank(CMD):	10 CuM								
	Excess treated water	278								
Wet season:	Source of water	MCGM/ Recycled water								
	Fresh water (CMD):	460								
	Recycled water - Flushing (CMD):	256								
	Recycled water - Gardening (CMD):	-								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	716								
	Fire fighting - Underground water tank(CMD):	600 CuM								
	Fire fighting - Overhead water tank(CMD):	10 CuM								
	Excess treated water	305								
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	



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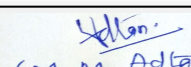

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	-
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 85 cu.m is proposed.
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	12.75 lakhs
	Budgetary allocation (O & M cost) :	0.18 Lakhs/ annum
	Details of UGT tanks if any :	-
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	Estimated max. discharge - 0.805 Cum/sec.
	Size of SWD:	Avg. width - 450 mm, Avg. Depth - 650 mm
Sewage and Waste water	Sewage generation in KLD:	623 KLD
	STP technology:	Attached growth process
	Capacity of STP (CMD):	STP of 630 KLD capacity
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	70.0 lakhs
	Budgetary allocation (O & M cost):	6.60 lakh/ annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavation material partly reused on site for backfilling and leveling and remaining disposed by vendors.
	Disposal of the construction waste debris:	Construction waste generated during construction activity recycled on site to the extent possible and partly disposed by vendors.
Waste generation in the operation Phase:	Dry waste:	1039 Kg/ day
	Wet waste:	1509 Kg/ day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	60 Kg/ day
	Others if any:	-


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Mode of Disposal of waste:	Dry waste:	Sold to vendors for recycling
	Wet waste:	To be treated by method of composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	-
Area requirement:	Location(s):	Ground floor
	Area for the storage of waste & other material:	140 sq. mt. (including machinery , storage of waste and other materials.)
	Area for machinery:	140 sq. mt. (including machinery , storage of waste and other materials.)
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20.0 Lakhs
	O & M cost:	4.50 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

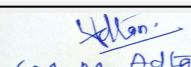
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	4828.536 sq. mt.
	No of trees to be cut :	200 No.
	Number of trees to be planted :	As per NOC from tree Authority
	List of proposed native trees :	-
	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	-	-	-	-

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

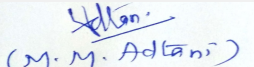
Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	150 kW (Estimated)
	DG set as Power back-up during construction phase	
	During Operation phase (Connected load):	Demand Load - 3650 kW
	During Operation phase (Demand load):	3285 kW
	Transformer:	As per the requirement of Supply Agency
	DG set as Power back-up during operation phase:	DG Sets of cumulative capacity of 1850 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:


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- Energy efficient LED, T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures
- Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
- Timer based lighting for parking areas.
- Motion Sensor and timers in staircases.
- Use of VFD drives in lifts.
- Recommending the benefits of adopting BEE 5 star rated electrical appliances to the customers to increase energy savings.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As above	15 %

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:	16.0 Lakhs
	O & M cost:	0.48 Lakh/ 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	Dust Separation	-	1.51
2	Air Environment	Air and Noise quality by MoEF &CC approved laboratory	1.50
3	Land environment	Site Sanitation	0.48
4	health & hygiene	disinfection	0.60
5	health & hygiene	Health check up	0.91

b) Operation Phase (with Break-up):

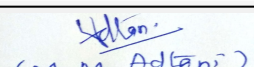
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	70.00	26.60
2	Water Environment	Rain water Harvesting	12.75	0.18
3	Land Environment (SWM)	Treatment of Bio-degradable waste	20.00	4.50
4	Envt. Monitoring	Monitoing of Air, Water, D. G. Stack, Exhaust etc.	-	1.50
5	Energy Saving	Use of Solar PV	16.00	0.48

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


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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

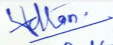
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	One entry and one exit
Parking details:	Number and area of basement:	2 Basements
	Number and area of podia:	6 Podiums
	Total Parking area:	46191.15 sq. mt.
	Area per car:	27.59
	Area per car:	27.59
	Number of 2-Wheelers as approved by competent authority:	217 Nos.
	Number of 4-Wheelers as approved by competent authority:	1674 nos.
	Public Transport:	-
	Width of all Internal roads (m):	6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1.0 Km
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	-
	Other Relevant Informations	-


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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed project on plot bearing CTS No. 533, 533/1, 533/2 to & 553 of village Nahur, L. B. S. Road, Mulund (W), T- Ward by M/s. Kalpataru Ltd.

Representative of PP was present during the meeting along with environmental consultant M/s Building Environment Pvt.Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 26,367.20 Sq. Mt., Total BUA of 1,93,960.239Sq. mt (FSI- 84,734.90Sq. mt.+ NON FSI-1,09,225.339Sq.mt.). 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. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, EIA,synopsis of compliances, 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 in the same

Specific Conditions by SEAC:

- 1) PP to submit & upload the copy of acknowledgement for plansubmitted to local planning authority.
- 2) PP informed that, the project site was converted from Industrial use to Residential use. PP to submit Soil analysis report (upto 8 to 10 mtr depth) for contamination due any heavy metals. If contaminated soil, then PP to submit remediation plan for the same.
- 3) PP to ensure that, no nalla should be diverted.
- 4) PP to submit HRC NoC.
- 5) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
- 6) PP to ensure that, the fire tender movement should be from all around the building.
- 7) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
- 8) PP to provide dual pumping & other facilities to enable reuse of treated waste water.
- 9) PP to provide charging points for battery vehicles.
- 10) PP to ensure that RG required is as per the norms and should be on Mother Earth.
- 11) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.
- 12) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above


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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Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Environment Clearance for Proposed construction of Residential Building No. 7& 10 On Plot Bearing C.T.S. NO. 514, 531(PT), 531/1 TO 14, 532A & 534 of Village Nahur, at L.B.S Road, Mulund (W), Mumbai in 'T' ward (E.S)

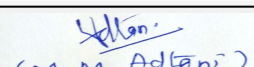
Is a Violation Case: No

1.Name of Project	Residential Project known as "Montana"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Lohitka Properties LLP
4.Name of Consultant	AQURA Enviro Projects Pvt. Ltd.
5.Type of project	Township Project
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	Environment Clearance Obtained from Municipal Corporation of Greater Mumbai (MCGM) Environment Cell vide letter no. Dy. Ch. E/9113/BPES/Dated: 08/12/2017.
8.Location of the project	C.T.S. NO. 514, 531(PT), 531/1 TO 14, 532A (PT) & 534 of Village Nahur, at L.B.S Road, Mulund (W), Mumbai in 'T' ward (E.S).
9.Taluka	Kurla
10.Village	Nahur
Correspondence Name:	Suresh Shetake
Room Number:	--
Floor:	Ground Floor & 3rd Floor
Building Name:	Prius Infinity
Road/Street Name:	Subhash Road
Locality:	Vile Parle (East)
City:	Mumbai 400057
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	1. Received IOD for Bldg 7 Wings A-B-C, 2. Concession approval for Bldg no. 7 Wings A, B, C and Bldg no.10 Wings A, B & C IOD/IOA/Concession/Plan Approval Number: 1. CHE/ES/2119/T/337(NEW) Bldg no 7, wing A, B, C IOD -01/09/2016 C.C -18/07/2018 - wing A and B - Podiums + 19 floors Wing C - Podiums top. 2. CHE/ES/2036/T/337(NEW) Bldg No.10 wing C IOD -15/02/2016 CC -15/10/2016 3. Concession approval for Bldg 7A,B,C and 10A,B,C, - 07/04/2018 Approved Built-up Area: 115994.35
13.Note on the initiated work (If applicable)	Construction area on site: 20,000 .Sq. M. - Building Configuration: Bldg 7 A & B Stilt + 5+ E deck + 13 upper floors.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	59430.30 Sq. M. Land Area Under consideration - 27221.45 sq. m
16.Deductions	Set Back Area = 421 Sq. M. Encroachment Area = 1795.94 Sq. M. Total = 2216.94 Sq. M.
17.Net Plot area	57213.36 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 115994.35 Sq. M. b) Non FSI area (sq. m.): 131546.73 Sq. M. c) Total BUA area (sq. m.): 247541.08
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 115994.35 Approved Non FSI area (sq. m.): 131546.73 Date of Approval: 21-05-2018
19.Total ground coverage (m2)	13945.39
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51 %



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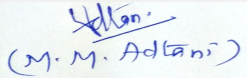

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21. Estimated cost of the project		6364198484		
22. Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building No. 7: - Wing A, B & C	Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors	Wing A & B - 162.85 - mt. Wing C - 171.45 mt.	
2	Building No. 10: - Wing A, B& C	Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors	Wing A & B - 162.85 mt. Wing C - 171.45 mt.	
23. Number of tenants and shops		Building No. 7: - Wing A, B & C = 498 Building No. 10: - Wing A & B = 498 Total: 996 Flats		
24. Number of expected residents / users		Building No. 7: - Wing A, B & C = 2490 Building No. 10: - Wing A & B = 2490 Residents: 4980 Nos. Building Staff: - 43 Drivers: - 996 Maids: - 996 Visitors: - 250 Total Populations: 7265 Nos.		
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))		18.30 m - Marathon Ave Road		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9.00 - 12.00 m turning radius		
29. Existing structure (s) if any		No		
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				


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Dry season:	Source of water	MCGM
	Fresh water (CMD):	480
	Recycled water - Flushing (CMD):	257
	Recycled water - Gardening (CMD):	132
	Swimming pool make up (Cum):	842
	Total Water Requirement (CMD) :	738
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	188
Wet season:	Source of water	MCGM
	Fresh water (CMD):	480
	Recycled water - Flushing (CMD):	257
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	842
	Total Water Requirement (CMD) :	653
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	320
Details of Swimming pool (If any)	Main Pool Volume = 618.25 sq.mt x 1.2 m -741.90 Cum Capacity = 741.90 Cum Water Requirement = 740 Cum Make Water Requirement = 74 Cum Kids Pool Volume = 113.88 sq.mt x 0.9 m -102.49Cum Capacity = 102.49 Cum Water Requirement = 102 Cum Make Water Requirement = 10 Cum Filtration - Plant Location: Below Ground	


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									


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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 meters below ground							
	Size and no of RWH tank(s) and Quantity:	Size: Area: 58.83 Sq. m. Depth: 2.850 m., 2 RWH tank of 85 CMD each (Raw & treated Rain water tank) (2 days storage capacity)							
	Location of the RWH tank(s):	Below Ground							
	Quantity of recharge pits:	None							
	Size of recharge pits :	Not Applicable							
	Budgetary allocation (Capital cost) :	11.9 Lacs							
	Budgetary allocation (O & M cost) :	1.2 Lacs/Year							
	Details of UGT tanks if any :	Fire Fighting Tank: 600 CMD Domestic Water Tank: 480 CMD Flushing Water Tank:257 CMD Rain Water Harvesting Tank: 170 CMD							
35.Storm water drainage	Natural water drainage pattern:	SWD by Gravity & connected to south side							
	Quantity of storm water:	0.208 m3/Sec							
	Size of SWD:	Ranging from 450 - 600 mm wide storm water drain Channel, Slope 1:300							
Sewage and Waste water	Sewage generation in KLD:	642 KLD							
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology							
	Capacity of STP (CMD):	2 STPsof 325 KLD each; Total capacity: 650 KLD							
	Location & area of the STP:	Below Ground, Area: 607 Sq. M.							
	Budgetary allocation (Capital cost):	97.35 Lacs							
	Budgetary allocation (O & M cost):	9.8. Lacs/year							
36.Solid waste Management									
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc.							
	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. Disposal of construction waste will be as per "Construction and Demolition waste management Rules 2016.							
Waste generation in the operation Phase:	Dry waste:	1347 Kg/Day							
	Wet waste:	898 Kg/Day							
	Hazardous waste:	Not Applicable							
	Biomedical waste (If applicable):	Not Applicable							
	STP Sludge (Dry sludge):	65 Kg/Day							
	Others if any:	None							

Mode of Disposal of waste:	Dry waste:	Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non-recyclable will be disposed off at MCGM landfill sites.
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors
	Others if any:	None
Area requirement:	Location(s):	Ground Level
	Area for the storage of waste & other material:	135 Sq. M. (at 3 Locations)
	Area for machinery:	30 Sq. M. (10 Sq. M. at each location - 3 Locations)
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30 Lakhs
	O & M cost:	20 Lakhs/Year

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


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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 :	1. Total RG area:14783 Sq. m Ground: 6934.38 Sq. m Podium: 8118.00 Sq. m • Ground RG area - 4983.05 sq.mt • Paved RG area on ground - 1680.10 sq.mt • Open area on Ground ,other than RG -5619.60 SQ.MT • Podium RG area - 6852.51 sq.mt • Podium Paved RG - 1255.98 sq.mt • Podium open area other than RG - 1433.19 SQ.MT
	No of trees to be cut :	5 Nos.
	Number of trees to be planted :	362 tree on Ground + 371 shrubs on podium = 733; Trees to be cut on site: 5, Trees to be planted for cutting 5 trees: 15, Trees to be Transplanted: 30, Existing trees on Site: 112, Total Trees on site: 157.
	List of proposed native trees :	Shirish, Neem, Maharukh, Satwin, Karanj, Sita Ashok, Kadamb, Bahava, Bakul, Parijatak, Tamhan, Kunti, Apta, Pangara, Palas, Son chafa, Putranjiva, Fish Tail Palm.
	Timeline for completion of plantation :	After completion of construction work

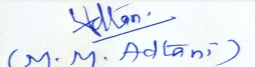
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizialebeck	Shirish	10	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	15	Large tree, good for roadside plantation
3	Ailanthus excelsa	Maharukh	10	Large tree, good for roadside plantation
4	Alstonia scholaris	Satwin	10	Shady Tree, white fragrant flowers
5	Pongamia pinnata	Karanj	10	Shady tree
6	Saraca asoka	Sita Ashok	10	Shady tree with red-yellow flowers.
7	Anthocephallus cadamba	Kadamb	10	Shady, large tree, ball shaped flowers.
8	Cassia fistula	Bahava	10	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
9	Mimusopselengi	Bakul	10	Shady tree, small white fragrant flowers
10	Nyctanthesarbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowerers.
11	Lagerstroemia flos-regineae	Tamhan	10	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers
12	Murrayapaniculata	Kunti	10	Small tree, Fragrant white flowers,Butterfly host plant
13	Bauhinia racemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
14	Erythrina indica	Pangara	10	Medium sized deciduous tree. Bright scarlet flowers


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15	Butea monosperma	Palas	10	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
16	Michelia champaca	Son chafa	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
17	Putranjivaroxburghii	Putranjiva	10	Medium sized evergreen tree
18	Caryotaurens	Fish Tail Palm	10	Ornamental tree
19	Alstoniascholaris	Satwin	10	Shady, large evergreen Tree, white fragrant flowers
20	Murrayakoengii	Curry leaf	10	Butterfly host plant
45.Total quantity of plants on ground				

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

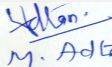
Serial Number	Name	C/C Distance	Area m2
1	VitexNegundi (Nirgudi)	2.00 m	--
2	AdhatodaVasica (Adulasa)	1.75 m	--
3	PlumbagoZeylanica (White Plumbago)	1.50 m	--
4	ZiziphusMauritiana (Ber)	2.25 m	--
5	Stachytarpheta sp	2.25 m	--
6	Cassia Tora (Takala)	2.00 m	--
7	Cassia auriculata (Tarwad)	1.75 m	--
8	Passiflora edulis (Krushnakamal)	2.25 m	--
9	Korphad	1.50 m	--
10	Tulas	2.00 m	--
11	Adulasa	2.25 m	--
12	Chitrak	2.00 m	--
13	Kadipatta	2.25 m	--
14	Wala	1.75 m	--
15	Wekhand	2.00 m	--
16	Gokarna	1.50 m	--
17	Piwala Kanchan	2.25 m	--
18	Kunti	2.25 m	--
19	Bahava	1.75 m	--
20	Kadipatta	1.75 m	--

47.Energy


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Power requirement:	Source of power supply :	Brihanmumbai Electric Supply and Transport (B.E.S.T)
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	None
	During Operation phase (Connected load):	9417.34 KW
	During Operation phase (Demand load):	3496.53 KW
	Transformer:	1 x 1000 kVA
	DG set as Power back-up during operation phase:	2 Nos. of 600 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48. Energy saving by non-conventional method:

Savings due to solar lighting: Providing 25% of street lighting/landscape lighting on solar
Solar water Heater (one toilet for top 12 floor of each tower)

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Average Annual Energy Savings	24.74 %
2	Energy saved by renewable source of energy in % compare to total energy saved	3.22 %

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:	2800000 Lakhs
	O & M cost:	400000 Lakhs/Year

51. Environmental Management plan Budgetary Allocation

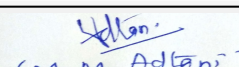
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression, Tyre cleaning and Vehicle maintenance, Traffic Management (Sign Boards, Persons at entry exit and Parking area),	1.00


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2	Socio-economic Environment	Site sanitation	1.0
3	Health & Safety	Disinfection at Site	0.5
4	Health & Safety	Health check-up of workers	1.00
5	Health & Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.), Safety Training to Workers (Twice in Year), Safety Officer, Safety Nets	5.00
6	Environment management	Environmental Monitoring	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP network	2 STPsof 325 KLD each; Total capacity: 650 KLD	97.35	9.8
2	RWH System	2 RWH tank of 85 CMD each (Raw & treated Rain water tank) (2 days storage capacity)	11.9	1.2
3	Solid Waste Management	Treating 898 Kg/Day Wet waste in Organic Waste Converter & Curing System	30	20
4	Solar Panel Installation	Solar Street Lights, Landscaping Lights, ? Solar water Heater (one toilet for top 12 floor of each tower)	14	1.8
5	Landscaping	Tree & Shrubs Plantation on site	50	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

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	Nos. of the junction to the main road & design of confluence:	None
Parking details:	Number and area of basement:	Nil
	Number and area of podia:	6 Podiums, 68968.51 Sq. m.
	Total Parking area:	82897.47 Sq. m. (Stilt + Podium)
	Area per car:	35.25 Sq. m.
	Area per car:	35.25 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	184
	Number of 4-Wheelers as approved by competent authority:	2090
	Public Transport:	None
	Width of all Internal roads (m):	Above 6.00 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - Approx. 540 Km
	Category as per schedule of EIA Notification sheet	Category 'B'
	Court cases pending if any	No
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

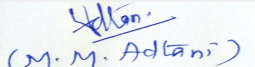
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-


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Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for Proposed construction of Residential Building No. 7& 10 On Plot Bearing C.T.S. NO. 514, 531(PT), 531/1 TO 14, 532A & 534 of Village Nahur, at L.B.S Road, Mulund (W), Mumbai in 'T' ward (E.S) by M/s. Lohitka Properties LLP

Representative of PP was present during the meeting along with environmental consultant M/s AQURA ENVIRO PROJECTS Pvt.Ltd. PP informed that, they have received Environmental Clearance from Environment Cell, Municipal Corporation of Greater Mumbai (MCGM) vide letter dated: 08/12/2017 for the project having plot area of 47033.46Sq.mt and the total construction area 106061.47Sq.mt (FSI area of 51863.02Sq.mt). PP further stated that, they have started the construction work & till date 20377.96 Sq.mt construction done on site. PP further informed that, the project under consideration is for amendment in EC due to expansion by Amalgamation of Plot. PP informed that now, as per amendment the total plot area of the project is 27221.45Sq. mt. having total built up area 247541.08Sq. mt.(FSI- 115994.35Sq. mt.+ NON FSI-131546.73 Sq. mt.).

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. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, EIA, 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: 78 Meeting Date: November 17, 2018	Page 114 of 126	 <small>(M. M. Adtani)</small> Shri M.M.Adtani (Chairman SEAC-II)
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Agenda of 78th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 78 Meeting Date November 17, 2018

Subject: Environment Clearance for Amendment in "Acme Ozone" Residential cum Commercial project under Rental Housing Scheme at Land bearing Gut. No. 61/1/1, Gut. No. 61/1/2, 3, 4, 61/2/1, 2, 3, Village - Chitalsar-Manpada, Tal. & Dist. Thane, by M/s. Acme Housing India Pvt. Ltd.

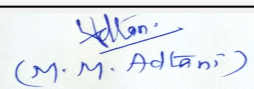
Is a Violation Case: No

1.Name of Project	Acme Ozone
2.Type of institution	Private
3.Name of Project Proponent	M/s. Acme Housing India Pvt. Ltd.
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Rental Housing Project.
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES, EC DATED 28TH JANUARY 2016 - SEAC 2014/CR-234-TC-1
8.Location of the project	Land bearing gut. No. 61/1/1, gut. No. 61/1/2, 3, 4, 61/2/1, 2, 3 Village Chitalsar -Manpada, Taluka & Dist. Thane.
9.Taluka	Thane
10.Village	Chitalsar
Correspondence Name:	Ms. Pina Udani
Room Number:	NA
Floor:	FIFTH FLOOR
Building Name:	ACME Housing India Pvt. Ltd, Solitaire Corporate Park, Building no. 10
Road/Street Name:	Guru Hargovindji Rd
Locality:	Andheri (E)
City:	Mumbai 400093
11.Area of the project	THANE MUNICIPAL CORPORATION
12.IOD/IOA/Concession/Plan Approval Number	yes IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/PlanApprovalNumber: Date Approval Vide Letter Nos. 18/03/2009 Locational Clearance MMRDA/RHS/19/09/239 21/12/2009 Layout approval MMRDA/RHD/RHS/19/09/257 23/04/2010 NOC for CC MMRDA/RHS/19/09/188 26/03/2010 IOD / CC V.P.No.88/142TMC/TDD/845 11/01/2011 Revised Layout CC V.P.No.88/142TMC/TDD/474 05/07/ 2012 Revised MMRDA CC V.P.No.88/142TMC/TDD/98 07/08/ 2013 Further CC V.P.No.88/142TMC/TDD/97 25/11/ 2013 Further CC V.P.No.88/142TMC/TDD/206 12/12/2014 Oakwood/ Ashwood O.C V.P.No.88/142TMC/TDD/192 30/10/2015 Revised IOD and CC for Sale V.P.No.88/142TMC/TDD/143 10/12/2015 Revised CC V.P.No.88/142TMC/TDD/180 04/3/2017 Revised IOD and CC for Sale V.P.No.88/142TMC/TDD/199 13/10/2017 Plot A Part OC V.P.No.88/142TMC/TDD/88 2/2/2018 Revised CC for G & H V.P.No.88/142TMC/TDD/146 Approved Built-up Area: 361769
13.Note on the initiated work (If applicable)	PLOT A Bldg no. 2 & 3 Possession given Bldg no.1,4,7,8 Under Construction Bldg no.5 & 6 Work not yet started Plot B Oakwood & Ashwood Possession Given MMRDA Bldg no.1,2,5 &6 Under finishing stage Bldg no.3 & 4 OC received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable
15.Total Plot Area (sq. m.)	54,500 sq m
16.Deductions	10,366.80 sq m
17.Net Plot area	44,133.20 sq m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,76,518.50 sq m b) Non FSI area (sq. m.): 2,02,923.54 sq m c) Total BUA area (sq. m.): 379442


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18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 175685 sq m
	Approved Non FSI area (sq. m.): 186083 sq m
	Date of Approval: 04-03-2017
19.Total ground coverage (m2)	36,628.17 sq m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	81.91%
21.Estimated cost of the project	8950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot A - Alpinia building no 1	3 lvl Podium (Gr.+2P) +Stilt+FAS+1st -26th Floor	91.80
2	Plot A - Basilia building no 2	3 lvl Podium (Gr.+2P) +Stilt+FAS+1st -26th Floor	91.80
3	Plot A - Centilia building no 3	3 lvl Podium (Gr.+2P) +Stilt+FAS+1st -26th Floor	91.80
4	Plot A - Dandelia building no 4	3 lvl Podium (Gr.+2P)+Stilt+FAS+1st -26th Floor	91.80
5	Plot A - Eucalyptia building no 5	1 Basement + 3lvl Podium(Gr.+2P)+Stilt+1st-36th (Pt)floors	119.9
6	Plot A - Fenelia building no.6	1Basement+ 3lvl. Podium (Gr.+2P)+Stilt + 1st-36th (Pt.)floors	119.9
7	Plot A - Gingelia building no.7	1Basement+ 3lvl. Podium (Gr.+2P)+ Stilt +FAS+ 1st-26th floors	91.80
8	Plot A - Herbelia building no.8	3 lvl Podium(Gr.+2P)+Stilt+FAS+1st -26thFloor	91.80
9	Plot B - Oakwood	3P+St+28 Floors	90.95
10	Plot B - Ashwood	3P+St+28 Floors	90.95
11	MMRDA - building no.1	Gr./Shops+25th Floor	76.30
12	MMRDA - building no. 2	Stilt+25th Floor	76.30
13	MMRDA - building no. 3	Gr./Shop+22nd Floor	67.60
14	MMRDA - building no. 4	Gr./Shop+22nd Floor	67.60
15	MMRDA - building no. 5	Stilt+23rd Floor(part)	67.60
16	MMRDA - building no. 6	Gr./Shop+22nd Floor	67.60


23.Number of tenants and shops	No. of Flats: 4314 nos. No. of Shops: 68 nos. No. of Club House: 1 no's (B) No. of Balwadi: 2 no's (M) Society Office, No. of Manager Room: 11 no's (M) No. of Welfare Centre: 4 no's (M)
24.Number of expected residents / users	Plot A = 7595 Plot B = 2300 MMRDA = 12504 (12534-30_6flats min) Total: 22399 No's
25.Tenant density per hectare	807.34 per hectare
26.Height of the building(s)	


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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m wide D.P. Road passing through plot. 10 m wide D.P. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7 m to 9 m
29.Existing structure (s) if any	Work has initiated as per C.C & EC received vide letter EC/CRZ No. - SEAC-2014/CR-234/TC-1 & Dated - 28th January 2016.
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

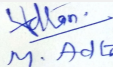
32.Total Water Requirement

Dry season:	Source of water	TMC
	Fresh water (CMD):	2188 KLD
	Recycled water - Flushing (CMD):	1163 KLD
	Recycled water - Gardening (CMD):	71 KLD
	Swimming pool make up (Cum):	2 KLD
	Total Water Requirement (CMD) :	3424
	Fire fighting - Underground water tank(CMD):	1800
	Fire fighting - Overhead water tank(CMD):	400
	Excess treated water	1420


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Wet season:	Source of water	TMC
	Fresh water (CMD):	2191
	Recycled water - Flushing (CMD):	1165
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	3356
	Fire fighting - Underground water tank(CMD):	1800
	Fire fighting - Overhead water tank(CMD):	400
	Excess treated water	1461
Details of Swimming pool (If any)	Plot A swimming pool volume 414 cum Plot B swimming pool volume 300 cum Water requirement for makeup: 2 kld	

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:	4.5 M
	Size and no of RWH tank(s) and Quantity:	1 no. for Plot B; Size: 22 cum
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	16 nos.
	Size of recharge pits :	2.5 M Dia. & 3.0 m ht. per pit
	Budgetary allocation (Capital cost) :	Rs. 100 lakhs
	Budgetary allocation (O & M cost) :	Rs. 5 lakhs / year
	Details of UGT tanks if any :	RWH: 22 cum Domestic: 1943 cum Flushing: 1032 cum Fire : 1800 cum


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35.Storm water drainage	Natural water drainage pattern:	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external SWD
	Quantity of storm water:	1] 4.289 m ³ /sec 2] 2.59 m ³ /sec
	Size of SWD:	1] 1.4 X 0.6 m 2] 1.0 X0.6 m

Sewage and Waste water	Sewage generation in KLD:	Plot A: 1043 kld, Plot B: 270 kld, MMRDA: 1160 kld - Total: 2473 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	4 nos. of STP Capacities - A: 1015+152, B: 270, MMRDA: 1200kld
	Location & area of the STP:	Below Ground
	Budgetary allocation (Capital cost):	Rs. 2.7 crores
	Budgetary allocation (O & M cost):	Rs. 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, scrap material etc. Debris and construction waste shall be generated.
	Disposal of the construction waste debris:	It will be recycled

Waste generation in the operation Phase:	Dry waste:	4380 kg per day
	Wet waste:	6436 kg per day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	122
	Others if any:	No information available

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):	Dry Sludge used as for Landscaping
	Others if any:	No information available

Area requirement:	Location(s):	Podium level.
	Area for the storage of waste & other material:	155.5 sq m
	Area for machinery:	44 sq m

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 45 Lakhs
	O & M cost:	Rs. 11 Lakhs

37.Effluent Charecterestics

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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 :	7236 sq m
No of trees to be cut :	50 nos.
Number of trees to be planted :	on ground 633 nos.
List of proposed native trees :	as given below
Timeline for completion of plantation :	approx. 5 years

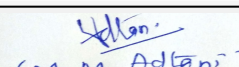
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstoniascholaris	Saptparni	49	medicinal tree
2	Plumeria alba	chafa	13	fragrant white flowers tree
3	Mimusopselengi	Bakul	26	medicinal tree


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4	Nyctanthesarbortritis	Prajakat	25	fragrant flowers tree
5	Psidiumguajava	Guava	23	tropical fruits tree
6	Annonasquamosa	Sitaphal	49	medicinal tree
7	Manilkarazapota	Chicoo	10	fruits tree
8	Cassia fistula	Bahawa	05	medicinal tree
9	Bauhinia variegata	Kanchan	14	medicinal tree
10	Mangifera indica	mango	06	fruit tree
11	Artocarpusheterophyllus	Jackfruit/phanas	02	medicinal tree
12	Areca catechu	supari	407	fruit tree
13	Liculagrandis	Rufflend fan palm	04	interior landscaping
14	Total	-	633	
45.Total quantity of plants on ground				

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

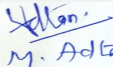
Serial Number	Name	C/C Distance	Area m2
1	Alocasiaesculata	-	-
2	Hymenocallisittoralis	-	-
3	Russeliaequisetiformis	-	-
4	Cordylineterminalis mahatma	-	-
5	Cordylincompacta	-	-
6	Alternanthera green	-	-
7	Lantana comara	-	-
8	Nephrolepis excels	-	-
9	Alpinianutans	-	-
10	Calathealutea	-	-
11	Spathiphyllumwallisii	-	-
12	Anthuriumandreanum	-	-
13	Allamandacathartica	-	-
14	Acalyphawilkesiana	-	-
15	Murrayapanniculata	-	-
16	Tecomacapensis	-	-
17	Eranthemumnigrum	-	-
18	Iresineherbstii	-	-
19	Cupheaignea	-	-
20	Sansecieriaguineensis	-	-
21	Rhoeospathacea	-	-

47.Energy


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	Plot A: 28036 kW; B: 2833.30 kW; MMRDA: 14955kW (total: 45824 kW)
	During Operation phase (Demand load):	Plot A: 9843 kW; B: 1503.33 kW; MMRDA: 5144.70 kW (total: 16490 kW)
	Transformer:	NA
	DG set as Power back-up during operation phase:	A: 3 NOS. Capacity: 630 KVA; B: 1 NO. Capacity: 500 KVA; MMRDA: 2 NOS. Capacity: 630 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Common area lighting, street lighting and landscape lighting on LED
 - Use of electronic ballast instead of copper ballast
 - Providing timers for common area lighting
 - Use of hydro- pneumatic pumping system/ventilation & lifts with VFD drives and soft starter
 - Use of BEE star rated pumps
 - Use of APFC panels
 - Use of solar water heater panels
- Provision of Solar system for Common area lighting, street lighting and landscape lighting

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	TOTAL SAVINGS	25

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. 1 crore 20 lakhs
	O & M cost:	7.5 lakhs

51. Environmental Management plan Budgetary Allocation

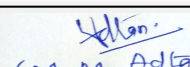
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water sprinkler, green belt development, covered storage area	5


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2	Noise environment	Noise barricades and green belt development	3
3	Good health practices	Site sanitation, health care	2.5
4	Environment monitoring	Air, water, noise, soil monitoring during construction phase	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH TANKS	100	5
2	Solid Waste Management	OWC	45	11
3	Waste water management	STP	200	38
4	Energy conservation	ENERGY SAVINGS	120	7.5
5	LANDSCAPING	GREEN BELT DEVELOPMENT	20	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

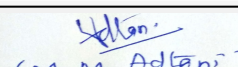
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2 Nos.
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Parking details:	Number and area of basement:	Plot A= 1 No. of Basement =7191.19 Sqm
	Number and area of podia:	Plot A= 3 Podium +Stilt = 70904.67 Sq m; Plot B= 3 Podium+ Stilt = 16485.19 Sq m; Total: 87389.86 sq m
	Total Parking area:	94581.05 Sqm
	Area per car:	35.14 sq m
	Area per car:	35.14 sq m
	Number of 2-Wheelers as approved by competent authority:	1883 nos.
	Number of 4-Wheelers as approved by competent authority:	2691 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park boundary: 2.48 km as per ESZ notification dated: 05-12-2016
	Category as per schedule of EIA Notification sheet	8 (b) B
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

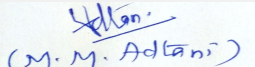
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-


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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Amendment in "Acme Ozone" Residential cum Commercial project under Rental Housing Scheme at Land bearing Gut. No. 61/1/1, Gut. No. 61/1/2, 3, 4, 61/2/1, 2, 3, Village - Chitalsar-Manpada, Tal. & Dist. Thane, by M/s. Acme Housing India Pvt. Ltd.


DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

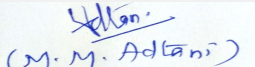
FINAL RECOMMENDATION

Kindly find SEIAA decision above.


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