

Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019


SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for Proposed Building Construction Project

Is a Violation Case: No

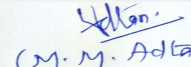
1.Name of Project	Residential & Commercial Project: Ashar Aria
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ashar Ventures (Mr. Ajay Ashar)
4.Name of Consultant	Shena Hi-Tech Products
5.Type of project	Housing Project (Residential+Commercial)
6.New project/expansion in existing project/modernization/diversification 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	S. no. 2951,2952,3205,3206 &3218,
9.Taluka	Thane
10.Village	Kalwa
Correspondence Name:	Mr. Ajay Ashar
Room Number:	-
Floor:	Gr. Floor
Building Name:	Ashar IT Park
Road/Street Name:	Road No. 16Z
Locality:	Near Agriculture Bus Stop, Wagle Industrial Estate,
City:	Thane, West - 400 604
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Ammended Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: Sanctioned Vide letter No. V.P. No. S08/0057/17 TMC/TDD/2728/18 Dated: 10/07/2018 (Last Sanction but plan changed now)
	Approved Built-up Area: 7689.82
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7162.49 sq.mt.
16.Deductions	189.70 sq.mt.
17.Net Plot area	6972.79 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 15060.04 sq.mt.
	b) Non FSI area (sq. m.): 17163.78 sq.mt.
	c) Total BUA area (sq. m.): 32223.82
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 7689.82
	Approved Non FSI area (sq. m.): -
	Date of Approval: 10-07-2018
19.Total ground coverage (m2)	1410.00 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19%
21.Estimated cost of the project	1570000000

22.Number of buildings & its configuration


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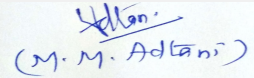
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	01 Residentail building	Gr. + 42 flrs.	127.50 m
2	Parking Towers 01	Gr + 23 levels	52.00 m
3	Parking Tower 02	Gr + 28 levels	61.00 m
4	Puzzle parking structures 01 , 02	Gr + 5 levels and Pit + Gr+5 levels	12.50 m
5	Puzzle parking structures 03,04	Gr + 6 levels and Pit + Gr++ levels	14.50 m

23.Number of tenants and shops	304 tenents and 4 shops in Residential Building.
24.Number of expected residents / users	Residential: 1436, Shops: 20, Total: 1456 nos.
25.Tenant density per hectare	300 Tenant/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))	60.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	15.00 m for residential building
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA


32.Total Water Requirement

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Dry season:	Source of water	Thane Municipal Corporation & recycled water							
	Fresh water (CMD):	123 m3/day							
	Recycled water - Flushing (CMD):	64 m3/day							
	Recycled water - Gardening (CMD):	0 m3/day							
	Swimming pool make up (Cum):	4 m3/day							
	Total Water Requirement (CMD) :	194 m3/day							
	Fire fighting - Underground water tank(CMD):	200 m3/day (As per NBC)							
	Fire fighting - Overhead water tank(CMD):	30 m3							
	Excess treated water	76 m3/day							
Wet season:	Source of water	Thane Municipal Corporation & recycled water							
	Fresh water (CMD):	123 m3/day							
	Recycled water - Flushing (CMD):	64 m3/day							
	Recycled water - Gardening (CMD):	0 m3/day							
	Swimming pool make up (Cum):	0 m3/day							
	Total Water Requirement (CMD) :	190 m3/day							
	Fire fighting - Underground water tank(CMD):	200 m3/day (As per NBC)							
	Fire fighting - Overhead water tank(CMD):	30 m3							
	Excess treated water	72 m3/day							
Details of Swimming pool (If any)	9.15 m x 6.5m								

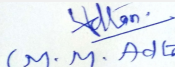
33.Details of Total water consumed


Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	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:	3-4 m	
	Size and no of RWH tank(s) and Quantity:	44 m3/day and 1 no.	
	Location of the RWH tank(s):	Below ground floor	
	Quantity of recharge pits:	N.A	
	Size of recharge pits :	N.A	
	Budgetary allocation (Capital cost) :	22 Lakhs	
	Budgetary allocation (O & M cost) :	2.2 Lakhs/year	
	Details of UGT tanks if any :	Fire Tank: 200 m3/day (As per NBC) Domestic Water Tank: 130 m3/day Flushing water tank: 64 m3/day	
35.Storm water drainage	Natural water drainage pattern:	As per natural drainage pattern	
	Quantity of storm water:	270 m3/hr	
	Size of SWD:	0.4 x 0.3m	
Sewage and Waste water	Sewage generation in KLD:	164 m3/day	
	STP technology:	MBBR	
	Capacity of STP (CMD):	1 no. & 164 m3/day	
	Location & area of the STP:	Location: Below ground floor, Area: 121 m2	
	Budgetary allocation (Capital cost):	54 Lakhs	
	Budgetary allocation (O & M cost):	11.5 Lakhs/Year	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.	
	Disposal of the construction waste debris:	Construction debris will be used for base preparation of road and for site leveling	
Waste generation in the operation Phase:	Dry waste:	187 kg/day	
	Wet waste:	436 Kg/day	
	Hazardous waste:	N.A	
	Biomedical waste (If applicable):	N.A	
	STP Sludge (Dry sludge):	7.5 kg/day	
	Others if any:	-	
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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping/selling.
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening/selling.
	Others if any:	NA
Area requirement:	Location(s):	Ground floor
	Area for the storage of waste & other material:	Area for the storage: 30 m2
	Area for machinery:	Total area: 28 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5.6 lakhs
	O & M cost:	0.56 lakhs/year

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):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

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	NA	NA	NA	NA	NA	NA

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA

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

43.Green Belt Development	Total RG area :	Nil
	No of trees to be cut :	12
	Number of trees to be planted :	140
	List of proposed native trees :	Enclosed
	Timeline for completion of plantation :	Before 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	attached as annexure	attached as annexure	attached as annexure	attached as annexure

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 :	MSEB
	During Construction Phase: (Demand Load)	100 kva
	DG set as Power back-up during construction phase	DG set shall be used in emergency
	During Operation phase (Connected load):	2268 KVA
	During Operation phase (Demand load):	914 KVA
	Transformer:	1 no. x 1000 KVA
	DG set as Power back-up during operation phase:	630 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

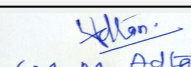
48.Energy saving by non-conventional method:

1. Use of energy efficient Tube lights & 9W CFL down lighters
2. Use of LED in common areas
3. Use of solar hot water system
4. Use of VFD lifts
5. Use of energy efficient water pumps
6. Use of solar lights for external lighting
7. Use of MBBR type STP with VFD


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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of energy efficient Tube lights & 9W CFL down lighters	36 %
2	Use of LED in common areas	62 %
3	Use of solar hot water system	89 %
4	Use of VFD lifts	40 %
5	Use of energy efficient water pumps	60 %
6	Use of solar lights for external lighting	93 %
7	Use of MBBR type STP with VFD	20 %
8	Overall Energy Saving in Project	18 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 96 lakhs
	O & M cost:	Rs. 9.6 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 For Dust Suppression	To control air pollution	0.5
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	0.25
3	Environmental Monitoring	Air, water, noise and soil analysis	1
4	Health Check Up	To check fitness of workers	0.25
5	Environment Management cell	To prepare team for environmental management	1

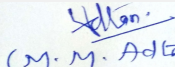
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	To harvest rain water	22	2.2
2	Sewage Treatment Plant	To treat sewage	54	11.50
3	Organic Waste Convertor	To treat biodegradable solid waste	5.6	0.56
4	Tree Plantation	For green belt development	25	2.5
5	Energy saving	For use of solar lighting and solar heater	96	9.6


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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

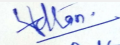
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	01
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	6607 Sq.m.
	Area per car:	25 Sq.m.
	Area per car:	25 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	Approved 324 for Residential Now provided 313 for residential
	Number of 4-Wheelers as approved by competent authority:	Approved 249 for Residential Now provided 262 for residential
	Public Transport:	NA
	Width of all Internal roads (m):	9.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Out of perview as per ESZ notification dated 5th Dec, 2016
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	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		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		

SEAC-AGENDA-0000000225

Representative of PP was present during the meeting along with environmental consultant M/s. Shena Hi-Tech Products.


PP informed that, the project under consideration is *residential project*. PP The total plot area of the project is 7162.49 Sq. mt. having total construction area 30,429.25Sq. mt. (FSI - 13,996.75Sq. mt.+ NON FSI- 16,432.50Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
01 Residentail	building Gr. + 39 flrs.	127.50
Parking Towers 01	Gr + 23 levels	52.00 m
Parking Tower 02	Gr + 28 levels	61.00 m
Puzzle parking structures 01 , 02	Gr + 5 levels and Pit + Gr+5 levels	12.50 m
Puzzle parking structures 03,04	Gr + 5 levels and Pit + Gr+5 levels	14.50 m

PP stated that, the proposal was considered in 85th SEAC-2 meeting 19.01.2019 & was deferred with observation to revise the planning so that school building will have clear access like placing school building near to the abutting road. Accordingly PP submitted the compliance which states that, The school plot reservation development vide "Accommodation Reservation Policy" under this proposal is the part of the development, remaining reservation is on the other plot which was not in the possession of this PP. Therefore the school development should be on rear side of this plot so that the complete development of school is possible with remaining reservation from other plot.

PP further stated that, the parking proposed on the road which is access to the school building shifted in the residential project site & garden (additional RG) is proposed along with that road. The compliance was taken on record.

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

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DECISION OF SEAC

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

Specific Conditions by SEAC:

- 1) PP to provide the 3-4 feet brick wall compound with chain link fencing to garden (additional RG area) with entry gate.
- 2) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area

FINAL RECOMMENDATION

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

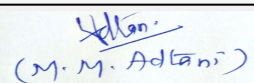
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Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019

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Subject: Environment Clearance for Amendment in Residential Development - "Arkade Earth" at plot bearing CTS No.1019 Echjay Forgings Pvt. Ltd., Kanjur Village Road, Kanjurmarg (East), Mumbai-42 by M/s. ARKADE DEVELOPERS PVT. LTD.

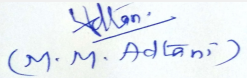
Is a Violation Case: No

1.Name of Project	Amendment in Residential Development - "Arkade Earth"
2.Type of institution	Private
3.Name of Project Proponent	M/s. ARKADE DEVELOPERS PVT. LTD.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Residential 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	Previous EC received under SEIAA-EC-0000000420 dtd 17.09.2018
8.Location of the project	CTS No.1019 Echjay Forgings Pvt. Ltd., Kanjur Village Road, Kanjurmarg (East), Mumbai-42
9.Taluka	Kurla
10.Village	Kanjurmarg
Correspondence Name:	2nd floor Arkade House, Opp. Bhoomi Arkade, Next to children academy school, Ashok Nagar, A.S.Marg Kandivali East, Mumbai -400101.
Room Number:	.
Floor:	2nd floor
Building Name:	Opp. Bhoomi Arkade,
Road/Street Name:	A.S.Marg
Locality:	Kandivali East
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD & Concession received IOD/IOA/Concession/Plan Approval Number: IOD: CE/1381/BPES/AS dated 20th April 2016, Concession: CHE/ES/1546/S/337 dtd 22.09.2017 Approved Built-up Area: 81412.25
13.Note on the initiated work (If applicable)	Construction has been started as per previous EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Concession received dtd 22.09.2017
15.Total Plot Area (sq. m.)	15732.90 sq.m
16.Deductions	797.33 sq.m
17.Net Plot area	14935.57 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 45372.37 b) Non FSI area (sq. m.): 36039.88 c) Total BUA area (sq. m.): 81412.25
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 45372.37 Approved Non FSI area (sq. m.): 36039.88 Date of Approval: 22-09-2017
19.Total ground coverage (m2)	2237.53
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15 %
21.Estimated cost of the project	2000000000.00


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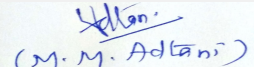
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A to G	3 Basements + Stilt + 22 Upper Floors	69.65
2	Wing H	3 Basements + Stilt + 23 Upper Floors	69.90
3	Clubhouse	Ground floor	8.00
23.Number of tenants and shops		692 nos	
24.Number of expected residents / users		3460 nos	
25.Tenant density per hectare		495 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))		18.30 m wide Kanjur Village Road	
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		7.5 m - 9 m	
29.Existing structure (s) if any		Vacant brick-work shed of previous industry.	
30.Details of the demolition with disposal (If applicable)		Existing buildings demolished & AC Sheets from Roofs will be disposed via authorized MCGM scrap dealers to CHWTSDF. MS Plates, MS Rolls and Equipment's, Machinery recycled through authorized dealers.	


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

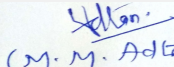
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Dry season:	Source of water	MCGM / STP Treated water								
	Fresh water (CMD):	311								
	Recycled water - Flushing (CMD):	158								
	Recycled water - Gardening (CMD):	21								
	Swimming pool make up (Cum):	3 cum								
	Total Water Requirement (CMD) :	493 KLD								
	Fire fighting - Underground water tank(CMD):	400 cum								
	Fire fighting - Overhead water tank(CMD):	30 cum each wing								
	Excess treated water	195 KLD								
Wet season:	Source of water	MCGM / RWH/ STP Treated water								
	Fresh water (CMD):	311								
	Recycled water - Flushing (CMD):	158								
	Recycled water - Gardening (CMD):	--								
	Swimming pool make up (Cum):	--								
	Total Water Requirement (CMD) :	469KLD								
	Fire fighting - Underground water tank(CMD):	400 cum								
	Fire fighting - Overhead water tank(CMD):	30 cum each wing								
	Excess treated water	216 KLD								
Details of Swimming pool (If any)	3 cum water will be required									
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:	3-4 meters	
	Size and no of RWH tank(s) and Quantity:	3 Nos of Tanks of Total capacity 170 KLD (2 days storage)	
	Location of the RWH tank(s):	Below ground level	
	Quantity of recharge pits:	NA	
	Size of recharge pits :	NA	
	Budgetary allocation (Capital cost) :	Rs. 17 Lakhs	
	Budgetary allocation (O & M cost) :	Rs. 1.70 Lakhs	
	Details of UGT tanks if any :	Location(s) of the UG tank(s) : Below ground level Domestic water tank: 311cum Flushing tank: 158 cum Fire tank: 400 cum	
35. Storm water drainage	Natural water drainage pattern:	Towards west	
	Quantity of storm water:	0.881 cum/hr	
	Size of SWD:	0.45X1.02m wide	
Sewage and Waste water	Sewage generation in KLD:	415 KLD	
	STP technology:	MBBR	
	Capacity of STP (CMD):	420 KLD	
	Location & area of the STP:	Below Ground level	
	Budgetary allocation (Capital cost):	Rs. 45 Lakhs	
	Budgetary allocation (O & M cost):	Rs. 4.50 lakhs/year	
36. Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority	
	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 recycler.	
Waste generation in the operation Phase:	Dry waste:	692 Kg/day	
	Wet waste:	1038 kg/day	
	Hazardous waste:	NA	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	22 kg	
	Others if any:	NA	
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Mode of Disposal of waste:	Dry waste:	Will be hand over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	NA
Area requirement:	Location(s):	Ground level
	Area for the storage of waste & other material:	90 sq.m
	Area for machinery:	5 sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 8.00 Lakhs
	O & M cost:	Rs. 3.00 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

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
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43.Green Belt Development	Total RG area :	4785.66 Sq mtr.
	No of trees to be cut :	0
	Number of trees to be planted :	239 nos.
	List of proposed native trees :	as listed below
	Timeline for completion of plantation :	at the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia Lebbeck	Shirish	12	Medicinal tree
2	Azadirachta Indica	Neem	20	Medicinal tree
3	Saraca Asoca	Sita Ashok	10	Flowering tree
4	Pongamia Pinnata	Karanj	17	EvergreenTree
5	Ficus Retusa	Nandruk	14	Ficus Retusa
6	Cassia Fistula	Bahava	14	Flowering Plant
7	Nyctanthes Arbortristis	Parijatak	13	Flowering Plant
8	Lagerstroemia Flosregineae	Tamhan	10	Flowering Plant
9	Bauhinea Blackeana	Hong kong orchid tree	20	Flowering Tree
10	Caryota Urens	Fish Tail Palm	15	Ornamental tree
11	Ailanthus Excelsa	Maharukh	10	-
12	Alstonia Scholaris	Satwin	11	EvergreenTree
13	Anthocephallus Cadamba	Kadamb	18	EvergreenTree
14	Murraya Paniculata	Kunti	10	EvergreenTree
15	Bombax Ceiba	Katesavar	13	EvergreenTree
16	Bauhinia racemosa	Apta	10	EvergreenTree
17	Erythrina indica	Pangara	7	Flowering plant
18	Michelia champaca	Sonchafa	15	Flowering 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	NA	NA	NA

47.Energy

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Power requirement:	Source of power supply :	MSEDCL or Tata Power
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	5719.21 Kw
	During Operation phase (Demand load):	2680.77 Kw
	Transformer:	2 nos.
	DG set as Power back-up during operation phase:	1 X 600 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Day mode / evening modes and night mode for lighting control. Energy savings app.60%
 Electronic ballast - Normal copper ballast consume app. 8 W where as electronic ballasts consume 4W for 36W fixture. i.e. watt losses with copper ballast are app. 25% whereas with electronic ballast shall be 12.5 % i.e. saving of app 12 % in lighting power.
 Energy efficient lamps - Usage of lamps reduces power consumption in lighting. Use of CFL / T5 lamps in place of normal T8 / incandescent lamps shall bring down energy consumption by app. 30%. Use of LED for landscape lighting shall bring down energy use by app. 60% compared to normal metal halides / high pressure sodium or CFL lamps.
 Use of solar energy for landscape lighting - Partial power for landscape / street lighting shall be provided by solar energy. App. 10 - 20% shall be the target figure.
 Use of Energy efficient equipments like low loss Transformers & switchgears. Energy savings app. 2%.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	total energy savings	22.43 %

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. 22.5 lakhs
	O & M cost:	Rs. 0.9 lakhs

51. Environmental Management plan Budgetary Allocation

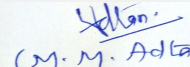
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3
3	Water Environment	Modular STP , Drainage with sedimentation tanks	3
4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Environment 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	Water Environment	STP	45	4.5
2	Solid waste management	OWC	8	3
3	Energy saving	Solar	22.5	0.9
4	Land Environment	Landscaping	18.49	3.29
5	Water Environment	RWH	17	1.70

51.Storage of chemicals (inflamable/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

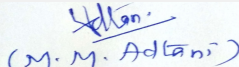
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Entries & Exit: 1 Nos. through 18.30 m wide Kanjur Village Road
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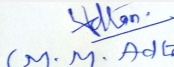

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Parking details:	Number and area of basement:	3 basements
	Number and area of podia:	nil
	Total Parking area:	17461.81 Sqmtr
	Area per car:	Small Car - 10.35 Sq mtr & Big Car - 13.75 Sq mtr
	Area per car:	Small Car - 10.35 Sq mtr & Big Car - 13.75 Sq mtr
	Number of 2-Wheelers as approved by competent authority:	14nos.
	Number of 4-Wheelers as approved by competent authority:	797 nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	6 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (Aerial distance from plot boundary to ESZ boundary - 3 km)
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category B2
	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		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


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Representative of PP was present during the meeting along with environmental consultant M/S. Enviro Analysts & Engineers Pvt. Ltd.

PP informed that, the project under consideration is the residential project and has received Environmental Clearance vide letter dtd 23.06.2015 & amendment in 8.6.2018 & 17.09.2018. Comparative statement of building configuration is as follow-

Building	EC received dtd 23.06.2015	EC received dtd 8.6.2018	EC received dtd 17.9.2018
	Configuration		
Wing A to B	2 Basements + Stilt + 2 Podium + 20 Upper Floors	2B + G + 21 (pt) upper floors	3B + G + 21 (pt) upper floors
Wing C,D,E,F	2 Basements + Stilt + 2 Podium + 20 Upper Floors	2 Basements + Ground + 20 upper Floors	3 Basements + Ground + 20 upper Floors
EWS	Basement + Stilt + 15 Upper Floors	-	-
Clubhouse	-	G + 1 floor	G + 1 floor

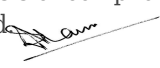
PP further informed that, till now the construction work done at site is 39,448.10 sq.m. is as per the EC. PP stated that, now the proposal under consideration is amendment in Environmental Clearance by expansion for the addition of 1 floor in wings A , B & increase 2 floors in wings D, E, F, G & also adding two wings (wing C & H). The total construction area with proposed expansion is 81,412.25 sq.mt (FSI: 45,372.37 sq.mt, non FSI area: 36,039.88 sq.mt). Building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A to G	3 Basements + Stilt + 22 Upper Floors	69.65
Wing H	3 Basements + Stilt + 23 Upper Floors	69.90
Clubhouse	Ground floor	8.00

Committee noted that the project was considered in 86th SEAC II held on 28/1/2019 and was deferred with observation to submit the detail chronology of the project, to submit the copy of application submitted during above said amendments. Accordingly PP submitted the compliance which was taken on record.

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.


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DECISION OF SEAC

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

Specific Conditions by SEAC:

- 1) PP to upload the revised architect certificate as agreed in the meeting.
- 2) PP to provide the energy saving from solar energy from 2 % to 4%

FINAL RECOMMENDATION

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

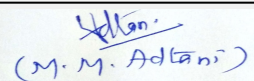
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Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019

SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019


Subject: Environment Clearance for Expansion of Dr. Balabhai Nanavati Hospital at Vile Parle, Mumbai

Is a Violation Case: No

1.Name of Project	Expansion of Dr. Balabhai Nanavati Hospital at Vile Parle, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	Dr. Balabhai Nanavati Hospital
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Hospital
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS number: 1403, 1403/1 to 21 and 1403/35
9.Taluka	Andheri
10.Village	Vile Parle
Correspondence Name:	Dr. Rajendra Patankar
Room Number:	-
Floor:	4th Floor
Building Name:	Dr. Balabhai Nanavati Hospital
Road/Street Name:	S. V. Road
Locality:	Vile Parle (West)
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	CE/6538/BS-II/AK dtd 20th April 2016
	IOD/IOA/Concession/Plan Approval Number: CE/6538/BS-II/AK dtd 20th April 2016
	Approved Built-up Area: 26294.08
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	15,960.30 sq. m.
16.Deductions	493.19 sq. m.
17.Net Plot area	15,467.11 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 43,925.63 sq. m.
	b) Non FSI area (sq. m.): 24725.59 sq. m.
	c) Total BUA area (sq. m.): 80609
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 43,925.63 sq. m.
	Approved Non FSI area (sq. m.): 24725.59 sq. m.
	Date of Approval: 20-08-2016
19.Total ground coverage (m2)	6636.10 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.57%
21.Estimated cost of the project	3842000000

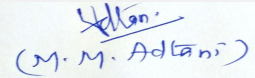
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Hospital building	3 basements and Ground + 11 floors	44.85 m (up to terrace level)
23.Number of tenants and shops	800 bedded hospital		
24.Number of expected residents / users	Census beds: 800, Floating Population: 2000, Staff: 2800, Total: 5600		
25.Tenant density per hectare	3688/ 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))	36.6 m wide S. V. Road		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m		
29.Existing structure (s) if any	350 bedded hospital building, 2 nos. nurses quarters etc.		
30.Details of the demolition with disposal (If applicable)	Exiting Priyam Pavilion, 2 Nos nurse's quarters, Annex-1 & Annex-2 will be demolished.		

31.Production Details

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

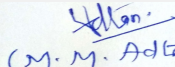
32.Total Water Requirement

Dry season:	Source of water	MCGM and recycled water from STP
	Fresh water (CMD):	600
	Recycled water - Flushing (CMD):	129
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	797
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	348


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Wet season:	Source of water	MCGM and recycled water from STP
	Fresh water (CMD):	600
	Recycled water - Flushing (CMD):	129
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	777
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	368

Details of Swimming pool (If any)	Not Applicable
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33.Details of Total water consumed

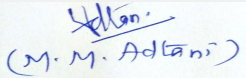
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	450	797 (includes existing)	797	15	15 (includes existing)	15	81	605 (includes existing)	605

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1.5 m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	3
	Size of recharge pits :	3 m dia. X 5 m deep
	Budgetary allocation (Capital cost) :	Rs. 9 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakhs/ Annum
Details of UGT tanks if any :	Fire UGT = 250 cum Municipal Tank = 900 cum STP Treated water tank = 50 cum and 300 cum RO Reject storage tank = 50cum	



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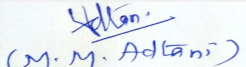
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35.Storm water drainage	Natural water drainage pattern:	Natural drainage pattern will be maintained.
	Quantity of storm water:	Will be designed as per maximum rainfall
	Size of SWD:	250 mm dia. pipe
Sewage and Waste water	Sewage generation in KLD:	605
	STP technology:	MBBR
	Capacity of STP (CMD):	650
	Location & area of the STP:	Location: Basement-2 & Basement-3, Area: 350 sq. m.
	Budgetary allocation (Capital cost):	Rs. 100 Lakhs
	Budgetary allocation (O & M cost):	Rs. 12 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste: about 1- 3 cu.m./ day, Demolition waste: approx. 3,254.5 cu.m., Excavated substratum: approx 62,421 cu.m.
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to MCGM approved land filling sites.
Waste generation in the operation Phase:	Dry waste:	454.55 kg/day
	Wet waste:	1704.55 kg/day
	Hazardous waste:	Phase-I: 27.31 kg/month, Phase-II: 35.53 kg/month
	Biomedical waste (If applicable):	Estimated waste (kg/month): Red bags: 9,216.18 (Phase-I), 11,988.52 (Phase-II), Yellow bags: 6,801.74 (Phase-I), 8,847.80 (Phase-II), Blue card boards: 2,063.97 (Phase-I), 2,684.83 (Phase-II), Puncture-proof containers: 294.26 (Phase-I), 382.77 (Phase-II)
	STP Sludge (Dry sludge):	2.4 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	OWC on site
	Hazardous waste:	Disposed off to Mumbai Waste Management Ltd.
	Biomedical waste (If applicable):	Disposed off to CBWFT through M/s. SMS Envoclean BMW Management (P) Ltd.
	STP Sludge (Dry sludge):	To be mixed with wet waste and converted to compost.
	Others if any:	Not Applicable
Area requirement:	Location(s):	As South West corner of new bldg area on Ground
	Area for the storage of waste & other material:	100 sq. m.
	Area for machinery:	14 sq. m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 22 Lakhs
	O & M cost:	Rs. 2.0 Lakhs
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	pH	-	6.0-8.5	6.0-8.5	6.0-8.5		
2	BOD5	mg/L	250-400	10	10		
3	COD	mg/L	600-800	30	30		
4	SS	mg/L	200-450	Less than 10	Less than 10		
5	Oil & Grease	mg/L	Up to 20	Less than 10	Less than 10		
6	TDS	mg/L	400-450	Less than 1000	Less than 1000		
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	Xylem	Not applicable	kg	15.63	Phase I: 27.31 kg/ month Phase II: 35.53 kg/ month	35.53 kg/ month	Disposed off to Mumbai Waste Management Ltd.
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	1875 KVA DG Set -1, 1875 KVA DG Set -2, 1875 KVA DG Set -3	High Speed Diesel, 990 L X 2 tank	3	30 m	400 mm	275 deg.C	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	High Speed Diesel	990 L	990 L X 2 tanks	990 L X 2 tanks			
41.Source of Fuel		Local petrol pump					
42.Mode of Transportation of fuel to site		Tanker					

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43.Green Belt Development	Total RG area :	2288.69 sq. m.
	No of trees to be cut :	26 numbers of trees will be cut.
	Number of trees to be planted :	34 number of trees will be transplanted, additional 78 trees will be planted.
	List of proposed native trees :	Please refer to Sr. No. 45 below.
	Timeline for completion of plantation :	Before 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	Lignum vitae	Neelam tree	2	Beautiful purple flowering plant, Heavy wood having great demand in market
2	Polyanthia longifolia	Ashoka	15	Ornamental tree, tolerant to air pollution & is effective in alleviating noise pollution.
3	Albizia lebbeck	Shirish	3	Provides shading, flowers used for decoration purpose
4	Areca catechu	Supari tree	9	Tall tree, flowering plant, seeds edible
5	Cassia fistula	Bahava	8	Ornamental tree, attracts birds & insects
6	Pongamia pinnata	Karanj tree	2	Ornamental tree & host tree for lac insect, insects feeds on the tree
7	Plumeria alba	Chafa tree	5	Flowering plant
8	Bismarkia nobilist	Palm trees	12	Ornamental tree
9	Mangifera indica	Mango tree	8	Seasonal & edible fruits, provides shade
10	Terminalia catappa	Badam tree	6	Edible fruits, bird feeds on fruits
11	Magnolia champaca	Champa	8	Flowering 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	Not applicable	Not applicable	Not applicable

47.Energy

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Power requirement:	Source of power supply :	Reliance Energy
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	4788 kW
	During Operation phase (Demand load):	3830 kW
	Transformer:	2 transformers of 2500 kVA
	DG set as Power back-up during operation phase:	3 X 1875 kVA (100% backup)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

Energy savings measures:

- LED light fixtures, transformer efficiency as per ECBC norms


49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Power saving for chiller in one year = 10,17,900 kWh	10%
2	Power saving due to VFD in Pumps in one year = 81,000 kWh	20%
3	Power saving due to VFD in AHU in one year = 1,665 kWh	20%

50. Details of pollution control Systems

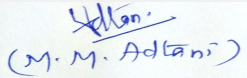
Source	Existing pollution control system	Proposed to be installed
Air and Noise pollution from DG Sets	Stack height as per CPCB requirements, Acoustic enclosures as per EP Act	Stack height as per CPCB regulations. As per the CPCB regulations, DG sets will be installed in acoustic enclosures.
Sewage	Existing STP on site	Existing STP to be demolished and proposed STP to be installed in new proposed building
Solid waste	Existing OWC on site	New OWC to be installed
Bio-medical waste	Disposed off to CBWFTFS through M/s. SMS Envoclean BMW Management (P) Ltd	Disposed off to CBWFTFS through M/s. SMS Envoclean BMW Management (P) Ltd
Hazardous Waste	Disposed off to Mumbai Waste Management Ltd.	Disposed off to Mumbai Waste Management Ltd.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	STP = Rs. 50 lakhs, OWC = Rs. 20 lakhs
	O & M cost:	STP = Rs. 5 lakhs/month, OWC = Rs. 1.6 lakhs/month


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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Demolition waste/ Debris disposal	NA	4.00
2	Toilets for labour + drinking water + first aid arrangement	NA	2.00
3	Health and Safety of Labourers	NA	15.00
4	Monitoring of Environmental Parameters	NA	1.00
5	Environment monitoring cell	NA	3.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	NA	Sewage Treatment Plant	100.0	12.0
2	NA	Solid Waste Management	30.0	2.40
3	NA	Rain Water Harvesting	3.0	0.2
4	NA	Green Belt	7.00	4.00
5	NA	Energy saving features + Solar Water Heater/ Solar Power	10.0	0.25
6	NA	Fire Fighting measures	961.0	6.20
7	NA	Monitoring of Environmental Parameters	-	2.00
8	NA	Environment monitoring cell	-	2.50


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Xylem	Liquid	Bottles	16.95 kg	16.95 kg	15.63	Fisher Scientific	By hand

52.Any Other Information

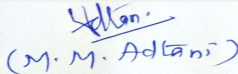
No Information Available

53.Traffic Management


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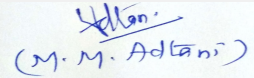

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	Nos. of the junction to the main road & design of confluence:	Direct access to S. V. Road and Sarojini Road extension
Parking details:	Number and area of basement:	17809.70 sq. m.
	Number and area of podia:	Not Applicable
	Total Parking area:	7250.65 sq. m.
	Area per car:	150 sq. m.
	Area per car:	150 sq. m.
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	366, 8 ambulances
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Minimum 4.5 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

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PP Dr. Patankar was present during the meeting along with environmental Consultant-M/s. Aditya Environmental Services Pvt. Ltd.


Proposal under consideration is of expansion of Dr. Balabhai Nanavati Hospital by constructing a new building at Vile Parle, Mumbai. PP informed that, the total plot area of the project is 15,960.30 Sq.mt. having total construction area Existing Buildings (after demolition): FSI: 11,956.50 sq.m., Non FSI: 0 sq.m. Total BUA: 11,956.50 sq.m. Proposed Building: FSI: 44,020.70 sq.m, Non FSI: 23,027.40 sq.m. Total BUA: 67,048.10 sq.m Existing and Proposed Buildings: FSI: 55,977.20 sq.m, Non-FSI: 23,027.40 sq.m. **Total BUA: 79,004.60 sq.m.** and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Hospital building	3 basements and Ground + 11 floors	1. 85. (up to terrace level)

PP stated that, the proposal will be carried out in two phases: Phase 1: Construction of part of new building after demolition of Priyam Pavilion Building and two nurses quarters buildings and Phase 2: Construction of remaining part of new building after demolition of Annex 1 and Annex 2 buildings. PP further stated that existing Auditorium Building (3 Basements) & Main Building (Ground + 4 Floors) will remain as they are.

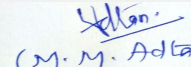
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the

DECISION OF SEAC


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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 the comparative statement regarding existing facilities available & proposed with respect to all environmental parameters. like sewage generation & disposal, hazardous , biomedical, radioactive waste generation & disposal. Fire fighting facilities, DMP etc.
- 2) PP to submit the details regarding department wise super speciality proposed.
- 3) PP to submit the details regarding the proposed 100 % pure air generation facility.
- 4) PP to submit the detail plan regarding disposal of hazardous waste.
- 5) PP to submit the detail plan regarding disposal of biomedical waste.
- 6) PP to submit Atomic Energy Regulatory Board (AERB) NoC.
- 7) PP to submit the detail design & calculation for the ETP.
- 8) PP to submit the Indoor air quality, Indoor light quality analysis& Ventilation analysis report.
- 9) PP to submit the radioactive waste disposal plan.
- 10) PP to carry out ECBC energy calculation studies.
- 11) PP to submit the detail plan for vehicular movement.
- 12) PP to submit detail fire tender movement plan.
- 13) PP to provide 40% STP tanks area open to sky for adequate ventilation.
- 14) PP to submit the site specific disaster management plan.
- 15) PP to provide connection between small atrium to big atrium which can be used during the disaster like fire.

FINAL RECOMMENDATION

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

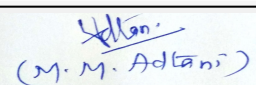
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Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019


SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for Township Project

Is a Violation Case: No

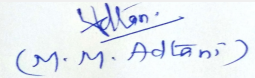
1.Name of Project	Proposed Township Project at Village Hatnoli, Taluka Khalapur, District Raigad (Maharashtra) by Jairamjiki Developments Ltd
2.Type of institution	Private
3.Name of Project Proponent	Jairamjiki Developments Ltd
4.Name of Consultant	Vardan Environet
5.Type of project	Proposed Township Project on an area of 101 acres
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	32/1, 33/1A/1, 33/1B, 33/3, 34/2A/1, 34/2B, 35, 36/0, 14/0,15/0,16/1,16/2,16/3, 17/1, 17/2(Part),18/1A, 18/1B, 20/20
9.Taluka	Khalapur
10.Village	Hatnoli
Correspondence Name:	Jairam Chawla, Managing Director
Room Number:	25,
Floor:	NA
Building Name:	Soni House
Road/Street Name:	Nehru Road
Locality:	Santacruz East
City:	Mumbai
11.Area of the project	Maharashtra State Road Development Corporation Ltd
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 838144.9
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4,08,732.50
16.Deductions	51091.06
17.Net Plot area	3,57,640.94
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 6,94,845.25
	b) Non FSI area (sq. m.): 1,49,627.9
	c) Total BUA area (sq. m.): 844473.15
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1,78,820.47
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50%
21.Estimated cost of the project	8000000000

22.Number of buildings & its configuration


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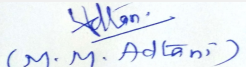
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	HIG (14 no of buildings)	13	39
2	MIG (8 no of buildings)	14	42
3	LIG (6 no of buildings)	14	42
4	Studio Apartment (2 no)	3	9
5	Villas (19 no of Building)	3	9
6	Row Houses (33 no)	3	9
7	Corner Villas (16 no)	3	9
8	School (1 no)	6	18
9	Hospital (1 no)	9	27
10	Sports and Cultural Centre (1 no)	8	24
11	Business Center (1 no)	12	36
12	EWS	14	42
13	EWS	14	42

23.Number of tenants and shops	There is proposal of one conventional shopping area, club house, Helipad, Amphitheatre, Playground, Electrical Room, Fuel Room etc
24.Number of expected residents / users	43149
25.Tenant density per hectare	1055
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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


32.Total Water Requirement

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Dry season:	Source of water	NMMC
	Fresh water (CMD):	2166
	Recycled water - Flushing (CMD):	1509
	Recycled water - Gardening (CMD):	1042
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	5016
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	2000
	Excess treated water	68
Wet season:	Source of water	NMMC
	Fresh water (CMD):	2166
	Recycled water - Flushing (CMD):	1509
	Recycled water - Gardening (CMD):	1042
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	5016
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	2000
	Excess treated water	68
Details of Swimming pool (If any)	NA	

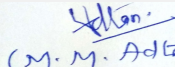
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	2166	2166	0	433	433	0	1733	1733
Cooling tower & thermopack	0	1436	1436	0	288	288	0	1148	1148
Gardening	0	1042	1042	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:	150 m
	Size and no of RWH tank(s) and Quantity:	Total 98 no of Rainwater Harvesting Pits have been proposed of capacity 1236.37 m3 each
	Location of the RWH tank(s):	RWH pits shall be located as per the natural slope, since the project site is at the foothills
	Quantity of recharge pits:	Total 98 no of Rainwater Harvesting Pits have been proposed
	Size of recharge pits :	Volume of each recharge pit proposed will be 1236.37 m3
	Budgetary allocation (Capital cost) :	50 Lacs
	Budgetary allocation (O & M cost) :	5 Lacs
	Details of UGT tanks if any :	NA
35.Storm water drainage	Natural water drainage pattern:	Storm water drainage shall be constructed as per the natural slope of the area.
	Quantity of storm water:	365355.78 m3
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	3242
	STP technology:	MBBR
	Capacity of STP (CMD):	Capacity of STP shall be 3900 KLD
	Location & area of the STP:	Area of STP will be 1000 sq m
	Budgetary allocation (Capital cost):	240 Lacs
	Budgetary allocation (O & M cost):	10 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	The waste generation will be in the form of soil and boulders during the construction phase. This shall be stacked within the project premises. The quantity of soil would be quite less as the area is rocky. However, the quantity of top soil shall be stacked properly and reused for greenbelt development during and the boulders can be used for construction of internal roads etc.
	Disposal of the construction waste debris:	The construction debris like top soil and boulders shall be reused within the premises for greenbelt and for internal road.
Waste generation in the operation Phase:	Dry waste:	4787 kg/day
	Wet waste:	7181 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	The biomedical waste shall be generated from the proposed hospital within Township, which shall be sold to the authorized vendors by the Hospital administration
	STP Sludge (Dry sludge):	STP sludge generated shall be utilized as manure
	Others if any:	NA
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Mode of Disposal of waste:	Dry waste:	Dry waste shall be segregated into recyclable and non recyclable. Estimated quantity of recyclable waste is about 2872 kg/day which shall be collected in blue coloured bins and sold to the authorized recyclers. The non recyclable waste estimated to be 1915 kg/day shall be collected in dark grey bins and it will also be given to authorized vendors for final disposal.
	Wet waste:	This shall be collected in green bins placed different locations with project premises and shall be used for vermi composting.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	The biomedical waste shall be generated from the proposed hospital within Township, which shall be sold to the authorized vendors by the Hospital administration
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	NA
Area requirement:	Location(s):	Coloured bins shall be located at different locations for wet and dry waste collection
	Area for the storage of waste & other material:	1125 sq area within the premises has been designated for storage of waste
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	25 Lacs
	O & M cost:	4 Lacs

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):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
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			


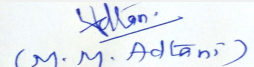
38. Hazardous Waste Details

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

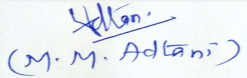
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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	148857.4		
	No of trees to be cut :	NA		
	Number of trees to be planted :	Approximately 10000 - 15000 trees have been proposed to planted and exiting trees shall be retained		
	List of proposed native trees :	Name of major trees to be planted are Mangifera indica, Ficus benghalensis, Delonix regia, Azadirachta indica and detailed list of trees, shrubs and herbs has been mentioned in EIA report		
	Timeline for completion of plantation :	The plantation shall start from the date of commencement 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	NA	NA	NA	NA
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
47.Energy				
Power requirement:	Source of power supply :	MSEDCL		
	During Construction Phase: (Demand Load)	NA		
	DG set as Power back-up during construction phase	NA		
	During Operation phase (Connected load):	NA		
	During Operation phase (Demand load):	6012 KVA		
	Transformer:	3 x 2500 KVA		
	DG set as Power back-up during operation phase:	4 x 2500 KVA		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	NA		


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48. Energy saving by non-conventional method:

- ? Maximum utilization of natural light
- ? CFL & T-5 lighting fixtures in the common areas and Truelite fluorescent lamps in basements
- ? Use of solar lights in street and landscaping
- ? Minimum of 20% hot water requirement shall be met by solar water heating systems
- ? Energy efficient motors and pumps
- ? Appropriate design to reduce heat gain and loss
- ? Roof-top thermal insulation
- ? Glazing Glass to reduce the U value as far as possible.
- ? External glazing will be below 60% of the total vertical surface as per ECBC.\

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Installation of Solar Panels	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution Trough Transportation	Not applicable	Water Sprinkling and Tree Plantation along roads
Waste Water	Not applicable	Sewage Treatment Plant
Air & Noise Pollution through D G Sets	Not applicable	Adequate Stack Height and Acoustic Enclosures
Solid Waste from Residential & Commercial Area	Not applicable	Adequate Number of Coloured Dust Bins, Organic Waste Converter as well as vermi composting

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	368 Lacs
	O & M cost:	43 Lacs

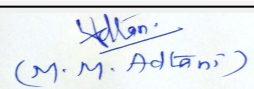
51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust suppression	Particulate Matter	3
2	Waste Water Management	Construction Waste	5
3	Air, Noise, Soil, Water Monitoring	Compliance	5
4	Green Belt Development	Fugitive Emission	25

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste Water Management	pH, BOD, COD, TSS	240	10
2	Solid Waste Management	dry and wet waste	20	3

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 91st Day-2 Meeting Date: March 7, 2019	Page 40 of 94	 Shri M.M. Adtani (Chairman SEAC-II)
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3	Green Belt Development	dust and air	50	8
4	Monitoring for Air, Water, Noise & Soil	Environmental Compliance	2	1
5	Energy Saving	Energy Conservation	5	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

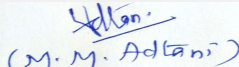
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	0
Parking details:	Number and area of basement:	0
	Number and area of podia:	4 no of Podiums
	Total Parking area:	79248
	Area per car:	3 per 100 sq m
	Area per car:	3 per 100 sq m
	Number of 2-Wheelers as approved by competent authority:	8326
	Number of 4-Wheelers as approved by competent authority:	8320 no
	Public Transport:	The project site is on the old Mumbai - Pune Highway and is well connected by the public transport like buses and auto
	Width of all Internal roads (m):	6 m and 9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	>10 km


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	Category as per schedule of EIA Notification sheet	8(b) "Township & Area Development Projects"
	Court cases pending if any	NA
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-11-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS


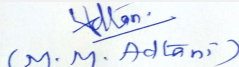
Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management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

Brief information of the project by SEAC

PP Mr. Jairamjiki Chawala & Architect Mr.Ketan Patil were present during the meeting along with environmental consultant M/s.Vardan Environet.

PP informed that, the project under consideration is Integrated Township Project.

DECISION OF SEAC

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 91st Day-2 Meeting Date: March 7, 2019	Page 42 of 94	 Shri M.M.Adtani (Chairman SEAC-II)
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During meeting PP requested to postpone the appraisal of the proposal to next meeting, Committee agreed to this & hence, the proposal is deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

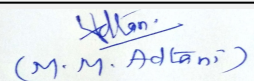
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**Mr. Surykant Nikam
(Secretary SEAC-II)**

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


Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019

SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for PROPOSED BUILDING RAJVAIBHAV NX ON PLOT BEARING OLD S.NO.21, NEW S.NO.126-H. NO.1/2,1/1A, 1/1A, 1/1B, 1/C, 5/3, 2, 3, 6, OLD S.NO. 25-NEW S NO.127, H.NO 4,5 OLD S.NO-26-NEW S.NO 134, H.NO.6, 7, 1/41/5, OLD S.NO.179 - NEW S.NO. 105, H.NO, 28, MOUJE CHOLE, .TAL KALYAN DIST-THANE

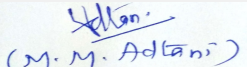
Is a Violation Case: Yes

1.Name of Project	Rajvaibhav NX
2.Type of institution	Private
3.Name of Project Proponent	Sudhir Kantilal Rawal
4.Name of Consultant	Building Environment India Pvt Ltd
5.Type of project	Housing
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	Expansion project,Project not obtained earlier EC.
8.Location of the project	PROPOSED BUILDING ON PLOT BEARING OLD S.NO.21, NEW S.NO.126-H. NO.1/2,1/1A, 1/1A, 1/1B, 1/C, 5/3, 2, 3, 6, OLD S.NO. 25-NEW S NO.127, H.NO 4,5 OLD S.NO-26-NEW S.NO 134, H.NO.6, 7, 1/41/5, OLD S.NO.179 - NEW S.NO. 105, H.NO, 28, MOUJE CHOLE, .TAL KALYAN DIST-THANE
9.Taluka	Kalyan
10.Village	Chole
Correspondence Name:	B-23, Anuradha Chs., Gupte Road, Dombivli West.
Room Number:	As above
Floor:	As above
Building Name:	As above
Road/Street Name:	As above
Locality:	As above
City:	Thane
11.Area of the project	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD NO. = KDMC / NRV /BP / DOM / 28 IOD/IOA/Concession/Plan Approval Number: IOD NO. = KDMC / NRV /BP / DOM / 28 Approved Built-up Area: 23913
13.Note on the initiated work (If applicable)	BUILDING NO.1 A & B WING completed CC obtained (KDMC / NRV / C.C. / DOM/ 83 DATED -10.06.2014);BUILDING NO.2 - A WING completed CC obtained (Ref KDMC / NRV / C.C. / DOM/ 30 DATED -27.05.2015). BUILDING NO.2 - B WING completed ;CC obtained (Ref KDMC / NRV / C.C. /DOM / 41) DATED -05.05.2016. Building no. 3 RCC work upto 18th slab has been completed .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD NO. = KDMC / NRV /BP / DOM / 28
15.Total Plot Area (sq. m.)	20102.50 sq.m - As per possession
16.Deductions	8107.50 sq.m
17.Net Plot area	10195.75 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 23752.29 sq.m b) Non FSI area (sq. m.): 11413.76 sq.m c) Total BUA area (sq. m.): 35166.05
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 23913.40sq.m Approved Non FSI area (sq. m.): Approval recieved from KDMC dated 11.4.2017 Date of Approval: 11-04-2017
19.Total ground coverage (m2)	1038.58 sq.m


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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53%
21. Estimated cost of the project	17500000

22. Number of buildings & its configuration

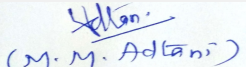
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg 1	SR + 12	36.95
2	Bldg 2 wing A	GR + 12	18.325
3	Bldg 2 Wing B	GR + 12	18.325
4	Bldg 3 Wing A	GR + 19	28.80
5	Bldg 3 Wing B	GR + 19	28.80

23. Number of tenants and shops	589
24. Number of expected residents / users	2462
25. Tenant density per hectare	300
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	15m and 24 m
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	will be provided during SEAC ppt
29. Existing structure (s) if any	Building 1 and Building 2 exist on site
30. Details of the demolition with disposal (If applicable)	Not applicable


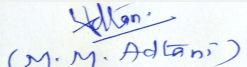
31. Production Details

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	KDMC								
	Fresh water (CMD):	221.58								
	Recycled water - Flushing (CMD):	110.79								
	Recycled water - Gardening (CMD):	15.6								
	Swimming pool make up (Cum):	NIL								
	Total Water Requirement (CMD) :	347.97								
	Fire fighting - Underground water tank(CMD):	Bld No.1 -100 KL, Bld No.2-100 KL, Bld No. 3- 2# 100KL								
	Fire fighting - Overhead water tank(CMD):	Bld No.1 - 53 KL,Bld No.2 A - 38.6 KL, Bld No.2B-31.58 KL , Bld No.3- 24.72 KL								
	Excess treated water	14.45								
Wet season:	Source of water	KDMC								
	Fresh water (CMD):	221.58								
	Recycled water - Flushing (CMD):	110.79								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	NIL								
	Total Water Requirement (CMD) :	332.37								
	Fire fighting - Underground water tank(CMD):	Bld No.1 -100 KL, Bld No.2-100 KL, Bld No. 3- 2# 100KL Bld No.1 -100 KL, Bld No.2-100 KL, Bld No. 3- 2# 100KL Bld No.1 -100 KL, Bld No.2-100 KL, Bld No. 3- 2# 100KL								
	Fire fighting - Overhead water tank(CMD):	Bld No.1 - 53 KL,Bld No.2 A - 38.6 KL, Bld No.2B-31.58 KL , Bld No.3- 24.72 KL Bld No.1 - 53 KL,Bld No.2 A - 38.6 KL, Bld No.2B-31.58 KL , Bld No.3- 24.72 KL Bld No.1 - 53 KL,Bld No.2 A - 38.6 KL, Bld No.2B-31.58 KL , Bld No.3- 24.72 KL								
	Excess treated water	30.05								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	350 ft
	Size and no of RWH tank(s) and Quantity:	Bld No.1 & Bld No. 2 :- Dia-3.66 m x 10 m Depth , 1# 100 KL RWH Tank 1 ; Bld No.3 :- 6m(L)x4m(W)x5(D) 1# 120 KL RWH Tank 2
	Location of the RWH tank(s):	RWH Tank 1- East Side of Building No.1, RWH Tank 2- West Side of Building No.3
	Quantity of recharge pits:	13
	Size of recharge pits :	2M Dia x 4 m Depth
	Budgetary allocation (Capital cost) :	14.3 Lakhs
	Budgetary allocation (O & M cost) :	NIL
Details of UGT tanks if any :	Bld No. 1 1) Fire Tank- 100 KL 2) Domestic Tank- 100 KL Bld No.2 1) Fire Tank -100 KL 2) Domestic Tank-2# 100 KL Bld No.3 1) Fire Tank- 2# 100 KL 2) Domestic Tank- 2# 100 KL	
35.Storm water drainage		
35.Storm water drainage	Natural water drainage pattern:	Natural drainage pattern
	Quantity of storm water:	219.53 KL
	Size of SWD:	450 mm Wide Storm water Drainage Channel
Sewage and Waste water		
Sewage and Waste water	Sewage generation in KLD:	165.7
	STP technology:	MBBR
	Capacity of STP (CMD):	1# 166 kld
	Location & area of the STP:	West side of Building No. 3 Near Nallah and Area of STP 160 sq.mtr.
	Budgetary allocation (Capital cost):	25 lakhs
	Budgetary allocation (O & M cost):	5 lakhs per year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1187.6 tonnes of construction waste generated from entire project;620 tonnes of waste will be generated from proposed building 3 Wing A,B
	Disposal of the construction waste debris:	will be used for leveling and back filling purpose
Waste generation in the operation Phase:	Dry waste:	0.80TPD
	Wet waste:	0.63TPD
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.093TPD
Others if any:	NA	
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Mode of Disposal of waste:	Dry waste:	Will disposed through local recyclers
	Wet waste:	OWC is proposed to treat wet waste
	Hazardous waste:	If any hazardous waste generated i.e from Waste oil from DG sets, it will be disposed through authorised agency.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge will be used as manure .
	Others if any:	NA
Area requirement:	Location(s):	GROUND FLOOR
	Area for the storage of waste & other material:	aS BELOW
	Area for machinery:	50 SQ.M
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	15 LAKHS
	O & M cost:	3 LAKHS/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


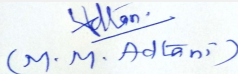
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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 :	TOTAL RG AREA = 1829.60sq.m
	No of trees to be cut :	Nil
	Number of trees to be planted :	23 trees will be planted
	List of proposed native trees :	Attached in enclosure
	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	Attached in enclosure	Attached in enclosure	Attached in enclosure	Attached in enclosure

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 :	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Bld No. 3- 2670 KW
	During Operation phase (Demand load):	Bld No. 3- 1661 KW
	Transformer:	Bld No.3- 1250 KVA
	DG set as Power back-up during operation phase:	320 KVA Radiator Cooled Accoustic Enclosure Type
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

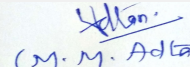
48.Energy saving by non-conventional method:

Solar water heaters are used for Bld 1 & Bld 2 & Bld 3 to meet the hot water requirement of occupancy.
 Solar Hot water Generation Capacity
 Bld No 1- 12000 lit
 Bld No.2-22250 lit
 Bld No.3- 31750 lit


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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	15 Watt LED lights are used replacing 60 watt incandescent lamps	Bld No. 1 & 2 - 11.12% Saving , Bld No. 3 -10.85 % Saving
2	Solar Water heaters are provided for hot water requirement Solar Water heaters are provided for hot water requirement Solar Water heaters are provided for hot water requirement Solar Water heaters are provided for hot water requirement	Bld No. 1 & 2 - 14.21 % Saving , Bld No. 3 -14.25 % Saving
3	Staircase and passage lighting on multiple circuits	Bld No. 1 & 2 - 0.4 % Saving , Bld No. 3 -0.3 % Saving Bld No. 1 & 2 - 0.004 % Saving , Bld No. 3 - % Saving

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Will be provided during SEAC ppt
	O & M cost:	Will be provided during SEAC ppt

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Will be provided during SEAC ppt	Will be provided during SEAC ppt	Will be provided during SEAC ppt

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Will be provided during SEAC ppt	Will be provided during SEAC ppt	Will be provided during SEAC ppt	Will be provided during SEAC ppt

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:	Kalyan Shilphata road
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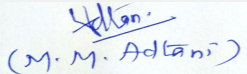

(M. M. Adtani)
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SEAC-II)

Parking details:	Number and area of basement:	NOT APPLICABLE
	Number and area of podia:	NOT APPLICABLE
	Total Parking area:	978.75 sq.m
	Area per car:	11.25 sq.m
	Area per car:	11.25 sq.m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	87 no.s
	Public Transport:	NA
	Width of all Internal roads (m):	15.0 M and 24.0 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NIL
	Category as per schedule of EIA Notification sheet	8B
	Court cases pending if any	NIL
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


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SEAC-II)

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

PP stated that, First NA order was obtained from Tahsildar Kalyan on 09.11.2011 accordingly Building No. 1 Wing A and B was constructed having BUA 4129 sq.m .CC was obtained on 10th June 2014. Second NA order was obtained on 07.04.2016 from Tahsildar Kalyan and Building No. 2 Wing A was constructed having BUA 1135.51sq.m.CC was obtained on 27th May 2015. Building 2 Wing B was constructed having BUA 1048.61 sq.m. and CC was obtained on 5th May 2016. PP further stated that, building no. 3 Wing A and Wing B was added to the existing plan & while during sanction Local Body asked to obtained Environment Clearancesince the total built up area increased to more than 20,000 sq.m. PP further stated that, excavation for Building No.3 was started on 11.04.2017 and construction (footings work) is started on 17.05.2017 and Building No. 3 (Wing A &Wing B) RCC work upto 20 slab has been completed.

PP further stated that, the total plot area of the project is 20102.50 sq.m -having total construction area 35166.05Sq.mt. (FSI - 23752.29sq.mt +NON FSI-11413.76 sq.mt)

Building Name & number	Number of floors	Height (Mtrs)
Bldg 1	SR + 12	36.95
Bldg 2 wing A	GR + 12	18.325
Bldg 2 Wing B	GR + 12	18.325
Bldg 3 Wing A	GR + 19	28.80
Bldg 3 WingB	GR + 19	28.80

PP informed that out of this built up area 23,752.29 Sq.Mts + Staircase Area 6,534.12 Sq.Mts construction carried out on site.

It is noted that the proposal under consideration is of violation of EIA Notification 2006 as amended and application submitted within stipulated period vide MoEF & CC Notification dated 14th March 2017 & 8th March 2018.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines& accordingly additional ToR of remediation plan and natural & community resource augmentation plan has been finalised in87th SEAC-2 meeting held on 7/02/2019committee instructed PP to carry out EIA as per ToR approved &also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

After detailed deliberations on the proposal committee confirmed the case to be of violation of the EIA Notification, 2006 and as per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the

Ministry of Environment, Forest & Climate Change, **decided to issue following Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).**

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(Secretary SEAC-II)

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

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 Project description, its importance and the benefits,
- 2) PP to submit Project site details (location, top sheet of the study area, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
- 3) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
- 4) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
- 5) PP to submit Details on flora and fauna and socio-economic aspects in the study area.
- 6) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
- 7) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
- 8) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
- 9) PP to submit real time traffic analysis report.
- 10) PP to submit chronology & chronologically building wise plan approval along with plinth completion CC date, OC date
- 11) PP to submit detail area statement along with RG area.
- 12) PP to submit the nalla remarks.
- 13) PP to ensure that no nalla should be diverted or covered.
- 14) PP to ensure that no sewerage or treated waste water should be discharge in nalla.
- 15) PP to submit details of RG area.
- 16) PP to submit the time frame & plan regarding connecting the sewer line & storm water line of the project to the Municipal network.

FINAL RECOMMENDATION

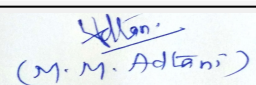
The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.



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Shri M.M.Adtani (Chairman
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Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019


SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for Proposed residential and commercial project at Plot 140B ,Sector 1S , New Panvel ,Navi Mumbai.

Is a Violation Case: No

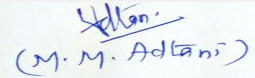
1.Name of Project	Proposed Project
2.Type of institution	Private
3.Name of Project Proponent	Ramji Valji Vaid
4.Name of Consultant	Building Environment (I) Pvt. Ltd. & Kesari Infrabuild Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. 140 B, Sector-1S, New Panvel
9.Taluka	Panvel
10.Village	--
Correspondence Name:	Satyam Realty
Room Number:	C-3
Floor:	F-1
Building Name:	Sun Grace Association, near Shabri hotel
Road/Street Name:	--
Locality:	Sector-10, Vashi
City:	Navi Mumbai
11.Area of the project	Panvel Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: No. 2018/PMC/TP/BP/8633/2018, dated- 31/08/2018
	Approved Built-up Area: 21266.655
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI (No. 2018/PMC/TP/BP/8221/2018, dated- 13.08.2018)
15.Total Plot Area (sq. m.)	5999.99
16.Deductions	Nil
17.Net Plot area	5999.99
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 8999.319
	b) Non FSI area (sq. m.): 12267.336
	c) Total BUA area (sq. m.): 21266.655
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 8999.319
	Approved Non FSI area (sq. m.): 12267.336
	Date of Approval: 13-08-2018
19.Total ground coverage (m2)	4106.847
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	68.45%
21.Estimated cost of the project	1120992400

22.Number of buildings & its configuration


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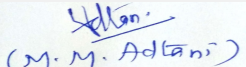
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Building	Building with 04 Nos. of wings (Wing A, B, C & D) having i.) Ground Floor- Partial commercial, stilt parking ii.) 1st Floor- Partial commercial, stilt parking by way of ramp. iii.) 2nd Floor- 04 Nos. of residential units only on wing A, society office, Fitness center & recreational activity iv.) 3rd- 12th Floor (except 8th floor) Wing A- 07 Nos. of residential flat on each floor; Wing B, C & D- 02 Nos. of residential flat on each floor v.) 8th Floor Wing A- 06 Nos. residential flat & refuge area of 78.562 Sq. Mtrs.; Wing B, C & D- 02 Nos. of residential flat & fire balcony at Midlanding level, each fire balcony area of 23.80 Sq. Mtrs	38.90 Mtrs. height upto terrace level 44.15 Mtrs. height upto top level

23.Number of tenants and shops	Residential: 133 Nos. & Commercial: 28 Nos.
24.Number of expected residents / users	1047 Nos.
25.Tenant density per hectare	268.33
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 Meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	09 Meters
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA


31.Production Details

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

32.Total Water Requirement


 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 91st Day-2 Meeting Date: March 7, 2019	Page 55 of 94	 Shri M.M.Adtani (Chairman SEAC-II)
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Dry season:	Source of water	Panvel Municipal Corporation							
	Fresh water (CMD):	67.00							
	Recycled water - Flushing (CMD):	40.00							
	Recycled water - Gardening (CMD):	8.00							
	Swimming pool make up (Cum):	10.00							
	Total Water Requirement (CMD) :	125.00							
	Fire fighting - Underground water tank(CMD):	200.00							
	Fire fighting - Overhead water tank(CMD):	25.00							
	Excess treated water	38.00							
Wet season:	Source of water	Panvel Municipal Corporation + RWH							
	Fresh water (CMD):	26.10 (PMC) + 40.90 (RWH) = 67.00							
	Recycled water - Flushing (CMD):	40.00							
	Recycled water - Gardening (CMD):	0.00							
	Swimming pool make up (Cum):	10.00							
	Total Water Requirement (CMD) :	117.00							
	Fire fighting - Underground water tank(CMD):	200.00							
	Fire fighting - Overhead water tank(CMD):	25.00							
	Excess treated water	46.00							
Details of Swimming pool (If any)	Swimming pool area- 201.71 Sq. Mtrs.								
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:	Ground water table is below 4 Meters hence recharge pits are not provided.
	Size and no of RWH tank(s) and Quantity:	1 RWH tank 100.00 Cu. M.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	12.00
	Budgetary allocation (O & M cost) :	2.00
	Details of UGT tanks if any :	For residential domestic tank: 82 Cu. M. For residential flushing tank: 41 Cu. M. For commercial domestic tank: 3 Cu. M. For commercial flushing tank: 4 Cu. M.
35.Storm water drainage	Natural water drainage pattern:	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. Run- off from the ground and terrace will be finally discharged into rain water harvesting tank below ground. The overflow from rain water harvesting tank will be discharged into storm water c
	Quantity of storm water:	0.25 cum/Sec.
	Size of SWD:	0.45 m x 0.60 m
Sewage and Waste water	Sewage generation in KLD:	96.00
	STP technology:	Microfiltration technology based on KSQ Flat sheet membrane
	Capacity of STP (CMD):	1 STP of 100 KLD
	Location & area of the STP:	Underground and area of STP 80 Sq. Mt.
	Budgetary allocation (Capital cost):	30.00 Lacs
	Budgetary allocation (O & M cost):	7.00 Lacs/ year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated soil will be used in land leveling purpose & construction debris will be handed over to authorized agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorized agency.
Waste generation in the operation Phase:	Dry waste:	120.57 Kg/day
	Wet waste:	281.33 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.50 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Handed over to authorized agency.
	Wet waste:	Composting through OWC & used at site as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	30 Sq. Mt.
	Area for machinery:	30 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	7.50 Lacs
	O & M cost:	3.0 Lacs/ 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

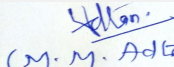
40. Details of Fuel to be used

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


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43.Green Belt Development	Total RG area :	Total RG area- 1551.303 Sq. Mt. (RG on the ground - 646.466 Sq. Mt. & RG on the podium- 904.837 Sq. Mt.)
	No of trees to be cut :	NA
	Number of trees to be planted :	75
	List of proposed native trees :	As mentioned below.
	Timeline for completion of plantation :	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	Citrus sp.	Lemon	10	Butterfly host plant having high Air Pollution Index Tolerance (APIT) tree, small white fragrant flowers
2	Nyctanthes arbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowers
3	Cassia fistula	Bahava	10	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
4	Bauhiniaracemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
5	Saraca asoka	Sita Asoka	10	Shady tree with Red-Yellow Flowers
6	Polyalthia longifolia	False Asoka	10	Med. Tree having high Air Pollution Index Tolerance (APIT)
7	Areca sp.	Palm	10	Ornamental
8	Michellia champaca	Soanchaffa	5	Ornamental

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Nirgudi, , Adulasa, White Plumbago, Ber , Stachytarpheta, Takala, Tarwad, Krushna Kamal	--	RG on the podium- 904.837 Sq. Mt.

47.Energy

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 91st Day-2 Meeting Date: March 7, 2019	Page 59 of 94	 Shri M.M.Adtani (Chairman SEAC-II)
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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	1043.44 kW
	During Operation phase (Demand load):	782.58 Kw (@75% Diversity)
	Transformer:	2 Nos of 630 kVA Transformers
	DG set as Power back-up during operation phase:	1 No. of 500 kVA DG Set
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

REDUCTION IN CONSUMPTION BY USING ENERGY SAVING MEASURE:

1. By using LED Light
2. By using VFD for Lift
3. Solar system

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Annual Saving only by Solar	8%
2	Total Annual Saving	19%

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 (water heating) + Solar street lighting -50 Lacs
	O & M cost:	6.0 Lacs/year

51. Environmental Management plan Budgetary Allocation

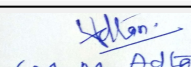
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	PPE	--	5.00
2	Site Sanitation Facility	--	4.00
3	Drinking Water Facility	--	2.00
4	Solid Waste Management	--	2.50


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5	Safety railing, Platform, Ladder, Crane, Hoist, etc	--	6.00
6	House Keeping	--	2.00
7	Health Check	--	1.00
8	Environmental Monitoring	--	1.50
9	Anti rust coating on foundation steel bars	--	5.0

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)	--	12.00	2.00
2	Sewage Treatment Plant (STP)	--	30.00	7.00
3	Solid Waste Management	--	7.50	3.00
4	Landscaping	--	6.00	1.50
5	Solar system (water heating)	--	40.00	5.00
6	Solar street lighting	--	10.00	1.00
7	DMP	--	260.71	19.50

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


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

52.Any Other Information

No Information Available

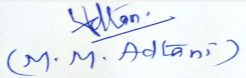
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2
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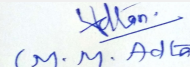

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SEAC-II)

Parking details:	Number and area of basement:	NA
	Number and area of podia:	2 podiums (First floor: 2538.387 Sq. Mt., Second floor: 428.675 Sq. Mt.)
	Total Parking area:	5200.088 Sq. Mt. (Ground floor: 2661.701 Sq. Mt., First floor: 2538.387 Sq. Mt.)
	Area per car:	39.69 Sq. Mt
	Area per car:	39.69 Sq. Mt
	Number of 2-Wheelers as approved by competent authority:	77 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required: 164 Nos. & Proposed: 164 Nos.
	Public Transport:	Panvel Railway Station
	Width of all Internal roads (m):	6 Meters
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	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		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


Mr. Surykant Nikam
 (Secretary SEAC-II)

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

PP informed that, the project under consideration is a Residential cum Commercial project. PP further stated that, the total plot area of the project is 5999.99 Sq.mt. having total construction area 21266.655Sq.mt. (FSI- 8999.319 Sq.mt. + NON FSI- 12267.336 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 Building	Building with 04 Nos. of wings (Wing A, B, C & D) having i.) Ground Floor- Partial commercial, stilt parking ii.) 1st Floor- Partial commercial, stilt parking by way of ramp. iii.) 2nd Floor- 04 Nos. of residential units only on wing A, society office, Fitness center & recreational activity iv.) 3rd- 12th Floor (except 8th floor) Wing A- 07 Nos. of residential flat on each floor; Wing B, C & D- 02 Nos. of residential flat on each floor v.) 8th Floor Wing A- 06 Nos. residential flat & refuge area of 78.562 Sq. Mtrs.; Wing B, C & D- 02 Nos. of residential flat & fire balcony at Midlanding level, each fire balcony area of 23.80 Sq. Mtrs	38.90 Mtrs. height upto terrace level 44.15 Mtrs. height upto top level

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


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

Specific Conditions by SEAC:

- 1) PP to submit & upload the copy of LoI.
- 2) PP to barricade the RG with bollards from 4 sides to restrict the entry of vehicles and fire tender movement for this side of the building should be carried out from the main road.
- 3) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.

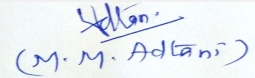
FINAL RECOMMENDATION

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


Mr. Surykant Nikam
(Secretary SEAC-II)

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

Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019


SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for Residential and commercial project with SRA Scheme by Khushi Builders & Developers

Is a Violation Case: No

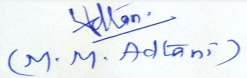
1.Name of Project	Residential and commercial project with SRA Scheme
2.Type of institution	Private
3.Name of Project Proponent	Jayesh Khanvilkar, Khushi Builders & Developers
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification 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	C.T.S. No. 2603.(Pt.)
9.Taluka	Borivali
10.Village	Dahisar
Correspondence Name:	Veekaylal Investment co. Pvt. Ltd.
Room Number:	1017/18
Floor:	10th floor
Building Name:	Dalamal Tower
Road/Street Name:	-
Locality:	211, Nariman Point
City:	Mumbai 400021
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	SRA/ENG/3067/RN/PL/AP Dated 12.09.2014 IOD/IOA/Concession/Plan Approval Number: SRA/ENG/3067/RN/PL/AP Dated 12.09.2014 Approved Built-up Area: 13267.2
13.Note on the initiated work (If applicable)	Total Construction Area: 12416.15 m2, The construction was carried out as per approval received vide No. SRA/ENG/3067/RN/PL/AP Dated 12.09.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1958/RN/STGL/LOI Dated 14.01.2011
15.Total Plot Area (sq. m.)	4565.20 m2
16.Deductions	980.94 m2
17.Net Plot area	3584.26 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 21540.62 m2
	b) Non FSI area (sq. m.): 13565.85 m2
	c) Total BUA area (sq. m.): 35106.47
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 7800.83 m2
	Approved Non FSI area (sq. m.): 5466.37 m2
	Date of Approval: 12-09-2014
19.Total ground coverage (m2)	2430.22 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	53.2%
21.Estimated cost of the project	830000000

22.Number of buildings & its configuration


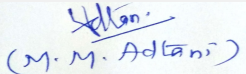

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(M. M. Adtani)
Shri M.M.Adtani (Chairman
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Composite Bldg. [Rehab + Sale]	B + G + 22 F	68	
2	Sale Bldg.	G + 3P (pt)+ 4th to 22F	68.15	
23.Number of tenants and shops	Sale :366Nos., Shops: 16 Nos, Nursing Home: 01 Nos. Rehab: 108 Nos. R/C: 6 Nos., PAP: 129 Nos. Balwadi:03, Welfare Center: 03 Nos., Soc. Office: 03 Nos. Rehab Shops: 18, etc.			
24.Number of expected residents / users	3063			
25.Tenant density per hectare	1335 tenements / 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))	13.4 m wide DP road and existing S. N. Dube Road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min 7.5 mt			
29.Existing structure (s) if any	Slums 261 Nos			
30.Details of the demolition with disposal (If applicable)	Demolition quantity: 2900 m ³			
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				

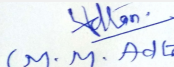
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Dry season:	Source of water	MCGM								
	Fresh water (CMD):	269 m3/day								
	Recycled water - Flushing (CMD):	140 m3/day								
	Recycled water - Gardening (CMD):	1.5 m3/day								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	409 m3/day								
	Fire fighting - Underground water tank(CMD):	As per NBC								
	Fire fighting - Overhead water tank(CMD):	As per NBC								
	Excess treated water	244.5 m3/day								
Wet season:	Source of water	MCGM								
	Fresh water (CMD):	269 m3/day								
	Recycled water - Flushing (CMD):	140 m3/day								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	409 m3/day								
	Fire fighting - Underground water tank(CMD):	As per NBC								
	Fire fighting - Overhead water tank(CMD):	As per NBC								
	Excess treated water	246.0 m3/day								
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	
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	



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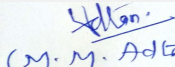

 (M. M. Adtani)
Shri M.M.Adtani (Chairman
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7 to 8 m
	Size and no of RWH tank(s) and Quantity:	2 Nos, 20 m ³ and 35 m ³
	Location of the RWH tank(s):	Below Ground and basement
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 13 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC+++++
35.Storm water drainage	Natural water drainage pattern:	The natural slope of the area is towards west Side
	Quantity of storm water:	0.14 m ³ / sec
	Size of SWD:	400 mm wide SWD
Sewage and Waste water	Sewage generation in KLD:	390 m ³ /day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP , Total capacity 425 KLD (175 KLD and 250 KLD)
	Location & area of the STP:	Ground, Area: 225 m ²
	Budgetary allocation (Capital cost):	Rs. 94 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:	Construction Debris: 1019 m ³
	Disposal of the construction waste debris:	The Construction debris will be disposed as per Construction and Demolition Waste Management rule 2016, Materials such as steel, aluminum scrap, glass scrap will be given to authorized recyclers for recycling.
Waste generation in the operation Phase:	Dry waste:	621 kg/day
	Wet waste:	932 kg/day
	Hazardous waste:	Household E waste
	Biomedical waste (If applicable):	10 kg/day
	STP Sludge (Dry sludge):	103 kg/day
	Others if any:	-


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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet waste will be composted using Organic Waste convertor and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	The Biomedical waste will be handed over to MPCB authorized vendor
	STP Sludge (Dry sludge):	STP Sludge will be used as manure
	Others if any:	-
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	110 m2
	Area for machinery:	60 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 25 Lakhs
	O & M cost:	Rs. 12 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

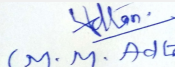
40. Details of Fuel to be used

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 :	298.59 m2
	No of trees to be cut :	6 Nos.
	Number of trees to be planted :	50 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	After completion of construction activity

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


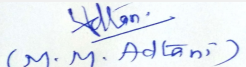
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	Karanj	9	Ornamental Plant, Medicinal Plant
2	BAUHINIA PURPUREA	Apta	8	Small tree with small white flowers, butterfly host plant
3	AZADIRACHTA INDICA	Kadunimba	6	Medicinal Plant
4	BAUHINIA	Kanchan	7	Flowering Plant, Medicinal Plant
5	MANGIFERA INDICA	Aamba	4	Fruit Plant, Medicinal Plant
6	PLUMERIA ALBA	Chafa	10	Flowering Plant, Medicinal Plant
7	ALSTONIA SCHOLARIS	Saptaparni	6	Medicinal Plant
8	Total	-	50	-

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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Power requirement:	Source of power supply :	Reliance
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	1 DG Set of 100 KVA
	During Operation phase (Connected load):	2.55 MW
	During Operation phase (Demand load):	1.59 MW
	Transformer:	Will be provided
	DG set as Power back-up during operation phase:	2 x 150 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Solar Hot water
Solar Street lighting in landscape area

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> • Natural shading through elevation features to minimise heat gain • LED Lights for Common and Habitable area • Energy efficient lifts and pumps • Solar water Heater System • Solar Street lighting in landscape area 	21.3%

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. 20 Lakh
	O & M cost:	Rs.1 Lakh/year

51. Environmental Management plan Budgetary Allocation

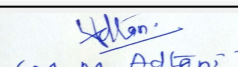
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation Facility and its maintenance	-	4
3	Potable Water Supply to Labour	-	3


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4	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	6
5	Health check-up & first aid	-	2
6	Solid waste management	-	4
7	Safety nets	-	5
8	Disinfection	-	2.5
9	Environmental Monitoring	-	2
10	TOTAL	-	31.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP of 175 KLD and 250 KLD capacity	94	17
2	Solar System	Solar water Heater System AND • Solar Street lighting in landscape area	20	1
3	Rain Water Harvesting	2 RWH Tanks (20 m3 and 35 m3)	13	1
4	Mechanical composting	OWC 600 kg/day & 400 kg/day capacity	25	12
5	Tree Plantation (Landscape Cost)	-	5	2
6	Environment Monitoring	-	-	2
7	Total		157	35

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

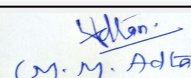
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	-
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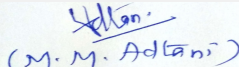

(M. M. Adtani)
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Parking details:	Number and area of basement:	One basement for composite building, 1065.86 m2
	Number and area of podia:	3 podiums (pt) for sale building, 2466.93 m2
	Total Parking area:	3021 m2
	Area per car:	31.8 m2
	Area per car:	31.8 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	95 Nos.
	Public Transport:	Auto Rickshaws, Taxis available within 500 mt Bus stop available within 1.0 km
	Width of all Internal roads (m):	Minimum 6.00 mt wide drive-ways
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	300 m from SGNP. Project is located outside the SGNP boundary
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Nil
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


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SEAC-II)

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

PP stated that, due to change in FSI from 3 FSI to 4 FSI, total built up area of the project is increasing from 35106.47 Sq.mt to 39,647.81 Sq.mt. therefore they requested to grant edit & time to submit the revised CS, hence ***the proposal is deferred and shall be considered only after the compliance of above observations.***

DECISION OF SEAC

hence ***the proposal is deferred and shall be considered only after the compliance of above observations.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

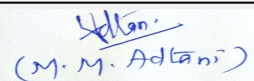
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Shri M.M. Adtani (Chairman
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Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019


SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for Proposed commercial IT Building at Plot No. A-606/1A, T.T.C. Industrial area, M.I.D.C., Village Mahape, Navi Mumbai.


Is a Violation Case: No

1.Name of Project	Proposed commercial IT Building
2.Type of institution	Private
3.Name of Project Proponent	Greenscape Ventures
4.Name of Consultant	Building Environment India Pvt. Ltd. & Kesari Infrabuild Pvt. Ltd.
5.Type of project	Commercial IT Building 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	Plot No. A-606/1A, T.T.C. Industrial area, M.I.D.C.
9.Taluka	--
10.Village	Village Mahape, Navi Mumbai
Correspondence Name:	Suresh Ambavi Wavia
Room Number:	1908,
Floor:	19th Floor
Building Name:	Cyber One
Road/Street Name:	Sector-30A, Behind Odisha Bhavan
Locality:	Vashi
City:	Navi Mumbai
11.Area of the project	M.I.D.C.
12.IOD/IOA/Concession/Plan Approval Number	In process- Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area: 46893.073
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI (in process)
15.Total Plot Area (sq. m.)	6420.00
16.Deductions	Not Applicable
17.Net Plot area	6420.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19152.760
	b) Non FSI area (sq. m.): 27740.313
	c) Total BUA area (sq. m.): 46893.073
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 19152.760
	Approved Non FSI area (sq. m.): 27740.313
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3348.006
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52.15 %
21.Estimated cost of the project	940100000

22.Number of buildings & its configuration

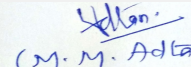
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	1 Commercial IT Building	1 Wing - Basement + Ground + 1st to 4th Floor Parking podiums + 5th Floor Landscape podium + 6th to 25th Floors	95.150	
23.Number of tenants and shops	No. of Shops- 27 No. of Offices- 147			
24.Number of expected residents / users	5022			
25.Tenant density per hectare	271.03			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20.00			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00			
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				


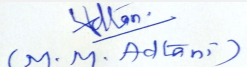

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SEAC-II)

Dry season:	Source of water	MIDC							
	Fresh water (CMD):	104.00							
	Recycled water - Flushing (CMD):	133.00							
	Recycled water - Gardening (CMD):	15.00							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	252.00							
	Fire fighting - Underground water tank(CMD):	200.00							
	Fire fighting - Overhead water tank(CMD):	30.00							
	Excess treated water	43.00							
Wet season:	Source of water	MIDC + RWH							
	Fresh water (CMD):	79.46 (MIDC) + 24.54 (RWH)							
	Recycled water - Flushing (CMD):	133.00							
	Recycled water - Gardening (CMD):	0.00							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	237.00							
	Fire fighting - Underground water tank(CMD):	200.00							
	Fire fighting - Overhead water tank(CMD):	30.00							
	Excess treated water	58.00							
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:	3 - 4 Mt.
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 30 Cu. M.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	5.00 Lacs
	Budgetary allocation (O & M cost) :	1.00 Lacs
	Details of UGT tanks if any :	U/G Tank for Domestic Water Supply- 110 KLD U/G Tank for Flushing Water Supply- 140 KLD

35. Storm water drainage	Natural water drainage pattern:	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. The basement drainage will be through covered channel drains. Dewatering submersible pumps inside the sumps will pump water from the sumps to storm water entrance chambers outside the basement
	Quantity of storm water:	0.150 CuM/S
	Size of SWD:	Width of Drain Channel - 0.45 Mt. & Depth of Drain Channel - 0.60 Mt.

Sewage and Waste water	Sewage generation in KLD:	213.00
	STP technology:	Microfiltration technology based on KSQ Flat sheet membrane
	Capacity of STP (CMD):	1 STP of 220 KLD
	Location & area of the STP:	Underground and area 180 Sq. Mtrs.
	Budgetary allocation (Capital cost):	35.00 Lacs
	Budgetary allocation (O & M cost):	2.88 Lacs/Year

36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated soil will be used in land leveling purpose & construction debris will be handed over to authorized agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorized agency.
Waste generation in the operation Phase:	Dry waste:	761.99 Kg/day
	Wet waste:	508.00 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	5.50 Kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	Dry waste:	Handed over to authorized agency.
	Wet waste:	Composting through Organic Waste Composter & used at site as manure.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	Not Applicable
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	30 Sq. Mt.
	Area for machinery:	30 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10.00 Lacs
	O & M cost:	2.40 Lacs/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
42. Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	Total RG area :	Total RG Area- 2999.764 Sq. Mt. (On Ground- 1069.55 Sq. Mt. & On 5th Floor Podium = 1930.214 Sq. Mt.)
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	80
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	5 Years

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


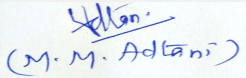
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Citrus sp.	Lemon	10	Butterfly host plant having high Air Pollution Index Tolerance (APIT) tree, small white fragrant flowers.
2	Nyctanthes arbor-tristis	Parijatak	10	Small deciduous fast growing tree, beautiful flowers.
3	Cassia fistula	Bahava	10	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant.
4	Bauhiniaracemosa	Apta	10	Small tree with small white flowers, Butterfly host plant.
5	Saraca asoka	Sita Asoka	10	Shady tree with Red-Yellow Flowers.
6	Polyalthia longifolia	False Asoka	10	MedTree having high Air Pollution Index Tolerance (APIT) .
7	Areca spp.	Palm	10	Ornamental.
8	Michelliachampaca	Soanchaffa	10	Ornamental

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Nirgudi, Adulsa, White Plumbago, Ber , Stachytarpheta, Takala, Tarwad, Krushna Kamal	--	1930.214

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	2341.28 KW
	During Operation phase (Demand load):	1755.95 kVA
	Transformer:	3 × 1000 kVA
	DG set as Power back-up during operation phase:	1 × 500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Reduction in consumption by using Energy Saving Measure:

1. LED Light for Offices
2. LED Lights for Lift Lobby passage and Staircase
3. Saving in lift by using VFD
4. Solar Lighting for External Lighting
5. Solar Power for Lift Lobby passage and Staircase Lighting
6. Solar Power for Parking Lights

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Annual Saving	23%
2	Total Annual Saving Only by Solar	7 %

50. Details of pollution control Systems


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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Solar Lighting- 25.00 Lacs
	O & M cost:	1.00 Lacs/ year

51. Environmental Management plan Budgetary Allocation

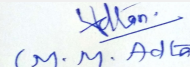
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	PPE	--	5.00
2	Site Sanitation Facility	--	4.0
3	Drinking water facility	--	2.0


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4	Solid Waste Management	--	2.5
5	Safety railing, platform, ladder, hoist, Cranes etc.	--	6.0
6	House keeping	--	2.0
7	Health Check	--	1.0
8	Environmental Monitoring	--	1.5
9	Anti-rusting coating on foundation steel bars	--	5.0

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)	--	5.0	1.00
2	Sewage Treatment Plant (STP)	--	35.0	2.88
3	Solid Waste Management	--	10.0	2.40
4	Landscaping	--	7.00	0.70
5	Solar Lighting	--	25.00	1.00
6	DMP	--	315.71	27.78

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

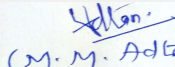
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	2
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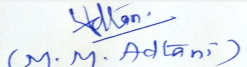

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Parking details:	Number and area of basement:	1 Basement and area 2762.637 Sq. Mt.
	Number and area of podia:	5 Podiums -1st Floor Podium: 1985.206 Sq. Mt. 2nd Floor Podium: 2281.675 Sq. Mt. 3rd Floor Podium: 2281.675 Sq. Mt. 4th Floor Podium: 2281.675 Sq. Mt. 5th Floor Podium: 1930.214 Sq. Mt.
	Total Parking area:	Total Parking Area- 12380.482 Sq. Mt. (Parking area on Basement: 2762.637 Sq. Mt. Parking area on Ground: 787.614 Sq. Mt. Parking area on 1st Floor Podium: 1985.206 Sq. Mt. Parking area on 2nd Floor Podium: 2281.675 Sq. Mt. Parking area on 3rd Floor Podium: 2281.675 Sq. Mt. Parking area on 4th Floor Podium: 2281.675 Sq. Mt.)
	Area per car:	29.13 Sq. Mt.
	Area per car:	29.13 Sq. Mt.
	Number of 2-Wheelers as approved by competent authority:	44 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required- 425 Nos. and Proposed- 425 Nos.
	Public Transport:	Rabale Railway Station
	Width of all Internal roads (m):	6 Mt.
	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
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


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PP Mr. Suresh Wavia, Director was present during the meeting along with environmental consultant M/S Building Environment (India) Pvt. Ltd.

PP informed that, the project under consideration is IT Park. The total plot area of the project is 6420.00 Sq. mt. having total construction area 46,893.073 Sq. mt. (FSI - 19152.760 Sq. mt. + NON FSI- 27740.313 Sq. mt.). and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 Commercial IT Building	1 Wing - Basement + Ground + 1st to 4th Floor Parking podiums + 5th Floor Landscape podium + 6th to 25th Floors	95.150

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

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

Specific Conditions by SEAC:

1) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.

FINAL RECOMMENDATION

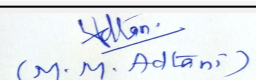
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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Shri M.M. Adtani (Chairman
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Agenda for 91st SEAC-2 meeting scheduled on 6-7th March, 2019


SEAC Meeting number: 91st Day-2 Meeting Date March 7, 2019

Subject: Environment Clearance for Proposed Construction of 1560 EWS, under (PMAY), at CTS No. 1411, S No 27/2, Village Takai Taluka Khalapur, District Raigad

Is a Violation Case: No

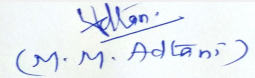
1.Name of Project	Proposed Construction of 1560 EWS, under (PMAY), at CTS No. 1411, S No 27/2, Village Takai Taluka Khalapur, District Raigad
2.Type of institution	Private
3.Name of Project Proponent	Pushkar Gruhnirman LLP
4.Name of Consultant	Vardan Environet
5.Type of project	Housing Project
6.New 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	CTS No. 1411, S No 27/2
9.Taluka	Khalapur
10.Village	Takai
Correspondence Name:	Pushkar Gruhnirman LLP
Room Number:	Shop No 3 & 4,
Floor:	Not Applicable
Building Name:	Shri Hare Krishna CHS Ltd,
Road/Street Name:	Plot No 12, Sector 5,
Locality:	New Panvel East
City:	Panvel
11.Area of the project	Khopoli Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	Under Process IOD/IOA/Concession/Plan Approval Number: Plan has been submitted for approval to Khopoli Municipal Council Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Under Process
15.Total Plot Area (sq. m.)	26570 m2
16.Deductions	Amenity Space - 1283.535 m2 & Open Space - 2438.716 m2
17.Net Plot area	22847.75 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 57094.667 m2 b) Non FSI area (sq. m.): 30170.742 m2 c) Total BUA area (sq. m.): 87265.409
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 01-01-1900
19.Total ground coverage (m2)	7023.37 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32%
21.Estimated cost of the project	2055000000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	AHP Building 1 (Type 1)	S + 17	52.8
2	AHP Building 2 (Type 1)	S + 17	52.8
3	AHP Building 3 (Type 1)	S +17	52.8
4	AHP Building 4 (Type 1)	S +17	52.8
5	AHP Building 5 (Type 1)	S +17	52.8
6	AHP Building 6 (Type 1)	S +17	52.8
7	AHP Building 7 (Type 1)	S +17	52.8
8	AHP Building 8 (Type 1)	S +17	52.8
9	AHP Building 9 (Type 1)	S +17	52.8
10	AHP Building 1 (Type 2)	S + 6	20.9
11	Commercial Building	G + 3	15
12	School Building	G + 2	12

23.Number of tenants and shops Total 1560 flats

24.Number of expected residents / users Total No of Flats would be 1560 (5 person/flat) = 7800 tenants Commercial - 2182 person
Amenity - 611 person

25.Tenant density per hectare 4016.18

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 m

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation 6 m

29.Existing structure (s) if any Not Applicable

30.Details of the demolition with disposal (If applicable) Not Applicable

31.Production Details


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

32.Total Water Requirement

Dry season:	Source of water	Khopoli Municipal Council							
	Fresh water (CMD):	746							
	Recycled water - Flushing (CMD):	439							
	Recycled water - Gardening (CMD):	18							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	1203							
	Fire fighting - Underground water tank(CMD):	5000							
	Fire fighting - Overhead water tank(CMD):	NA							
	Excess treated water	475							
Wet season:	Source of water	Khopoli Municipal Council							
	Fresh water (CMD):	746							
	Recycled water - Flushing (CMD):	439							
	Recycled water - Gardening (CMD):	18							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	1203							
	Fire fighting - Underground water tank(CMD):	5000							
	Fire fighting - Overhead water tank(CMD):	NA							
	Excess treated water	475							
Details of Swimming pool (If any)	Not Applicable								

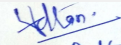
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	746	746	Not applicable	Not applicable	Not applicable	Not applicable	596	Not applicable
Gardening	Not Applicable	18	18	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable



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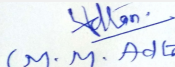

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 - 20 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Building 1 (Type 1), Building 8 (Type 1), Building 9 (Type 1) and Building 3 (Type 1)
	Quantity of recharge pits:	Proposed 4 no of RWH pits of volume 56.52 m ³
	Size of recharge pits :	56.52 m ³
	Budgetary allocation (Capital cost) :	10 Lacs
	Budgetary allocation (O & M cost) :	1 Lacs
	Details of UGT tanks if any :	7 no of UGT Tanks are proposed for Domestic Purpose
35.Storm water drainage	Natural water drainage pattern:	Drainage pattern of site is towards North West i.e. towards Patalganga River
	Quantity of storm water:	26133.22 m ³ /Year
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	1035
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 no of 1.2 MLD STP
	Location & area of the STP:	Natural Drainage System will be utilized and STP shall be located in North West Boundary of the project
	Budgetary allocation (Capital cost):	80 Lacs
	Budgetary allocation (O & M cost):	15 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	3976.62 kg/day
	Disposal of the construction waste debris:	The construction waste shall be reused within the site for leveling, construction of internal roads etc
Waste generation in the operation Phase:	Dry waste:	1590.648 kg/day
	Wet waste:	2385.972 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Sludge generated shall be reused for gardening purposed
	Others if any:	Not Applicable


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Mode of Disposal of waste:	Dry waste:	It shall be taken up by Khopoli Municipal Council for final disposal
	Wet waste:	This shall be treated in Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Reused as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	As shown in layout
	Area for the storage of waste & other material:	500 sq m
	Area for machinery:	considered as above
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20 lacs
	O & M cost:	4 lacs/annum

37. Effluent Characteristics


Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5 - 8.5	6.5 - 8.5	6.5 - 8.5
2	BOD	mg/l	200 - 350	<10	<10
3	COD	mg/l	500 - 600	<60	<60
4	TSS	mg/l	150 - 300	<10	<10
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

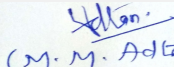
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	100 KVA D G Set	HSD	1	2	As per standards	As per DG specification
2	100 KVA D G Set	HSD	1	2	As per standards	As per DG specification
3	100 KVA D G Set	HSD	1	2	As per standards	As per DG specification



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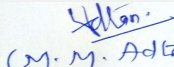

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40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		
43.Green Belt Development	Total RG area :	3720.67 m2		
	No of trees to be cut :	Not Applicable		
	Number of trees to be planted :	357 trees		
	List of proposed native trees :	Mangifera indica, Albizia lebbeck, Bismarkia nobilist, Azadirachta indica, Magnolia champaca, Saraca indica, Cocos nucifera		
	Timeline for completion of plantation :	At the time of completion of project		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	20	Neem leaves are dried in India and placed in cupboards to prevent insects eating the clothes, and also in tins where rice is stored. Also used as ayurvedic herb, neem is also used in baths.
2	Saraca indica	Ashoka	5	Fragrant flowers are orange or orange yellow in colour. Fruit is a four to eight seeded, flat and black coloured, leathery pod. The pod is dehiscent, woody, and tapering at both ends
3	Magnolia champaca	Champa	10	Flowering plant
4	Mangifera indica	Mango Tree	15	Seasonal & edible fruits, provides shade
5	Albizia lebbeck	Shirish	3	Provides shading, flowers used for decoration purpose
6	Cocos nucifera	Coconut	5	The coconut palm is grown throughout the tropics for decoration, as well as for its many culinary and nonculinary uses; virtually every part of the coconut palm can be used by humans in some manner and has significant economic value
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				


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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	13251 KVA
	During Operation phase (Demand load):	2800 KVA
	Transformer:	-
	DG set as Power back-up during operation phase:	3 X 100 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

Total Power requirement is 2800 KVA, by using energy efficient LED lights in common areas, LED Street lights & Solar LED street lights approx. 2% of overall energy will be conserved. Further 8% energy will be conserved by using centralized solar water heater. Hence effective saving will be 10% overall. Power with Elect geysers = 2800 KVA & use of Solar Water Heater & limited use of Geysers will be 2580 KVA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED & Solar Street Lights	2%
2	Centralized Solar Water Heaters	8%

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Domestic Waste Water	Not Applicable	Sewage Treatment Plant
Municipal Solid Waste	Not Applicable	Organic Waste Converter
Dust due to transportation	Not Applicable	Greenbelt Development & Dust Suppression

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	250.99 Lacs
	O & M cost:	20 Lacs

51. Environmental Management plan Budgetary Allocation

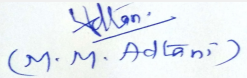
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution	Dust Suppression	5
2	Waste Water Generation	Mobile STP	10


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3	Land	Site Sanitation	4
4	Socio Economic Environment	First Aid Facilities Health Check Up Creches For Children Personal Protective Equipment	3
5	Environmental Monitoring	Air, Noise, Water & Soil Test	2

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	Sewage Treatment Plant	80.00	15.00
2	Storm Water	Rainwater Harvesting Pits	10.00	1
3	Solid Waste Management	Organic Waste Converter	20	4
4	Energy	Energy Conservation	250.99	20
5	Environmental Monitoring	Air, Water, Soil, Noise etc	-	9

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

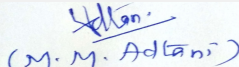
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	one entry and one exit
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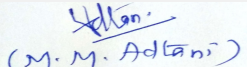

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Parking details:	Number and area of basement:	None
	Number and area of podia:	None
	Total Parking area:	8537 m2
	Area per car:	100 sq m for 3 cars
	Area per car:	100 sq m for 3 cars
	Number of 2-Wheelers as approved by competent authority:	2106 Scooters and 2106 Bi-cycles
	Number of 4-Wheelers as approved by competent authority:	26 Cars
	Public Transport:	Bus
	Width of all Internal roads (m):	6 m and 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(b), Building Construction Project
	Court cases pending if any	Not Applicable
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


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PP Mr Amarchand Choudhari was present during the meeting along with environmental consultant M/s. Vardan Environet.

PP informed that, Proposed Construction is of 1560 EWS, under PMAY. The total plot area of the project is 26570 Sq.mt having total construction area 87265.409Sq. mt. (FSI - 57094.667 + NON FSI- 30170.742) and the building configuration is as follow-

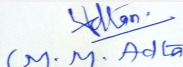
Building Name & number	Number of floors	Height (Mtrs)
AHP Building 1 (Type 1)	S + 17	52.8
AHP Building 2 (Type 1)	S + 17	52.8
AHP Building 3 (Type 1)	S + 17	52.8
AHP Building 4 (Type 1)	S + 17	52.8
AHP Building 5 (Type 1)	S + 17	52.8
AHP Building 6 (Type 1)	S + 17	52.8
AHP Building 7 (Type 1)	S + 17	52.8
AHP Building 8 (Type 1)	S + 17	52.8
AHP Building 9 (Type 1)	S + 17	52.8
AHP Building 1 (Type 2)	S + 6	20.9
Commercial Building	G + 3	15
School Building	G + 2	12

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.


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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) Local Planning Authority to ensure that Completion Certificate to be issued only after widening existing 7.5 mtr wide road to 12 mtr
- 2) PP to come up with detailed sewage disposal plan after consulting local planning authority
- 3) PP to ensure that Non-biodegradable waste should be given to recycler.
- 4) PP to operate and maintain STP for 5 years considering affordable housing project and create corpus fund required for further 5 years.
- 5) Committee noted that, Patalganga tributary is at 80 mtr away, PP to ensure that no sewerage or treated waste water should be discharge in river or natural nalla. Local planning authority to ensure the same. PP to ensure that BoD should be less than 5. Also PP to submit the undertaking for the same.
- 6) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area

FINAL RECOMMENDATION

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

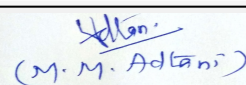
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