#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for New Super speciality hospital Building in Dr. D.Y. Patil Hospital Complex located on plot no. 2, Sector 5, Nerul, Navi Mumbai by M/s. Continental Medicare Foundation.

**Is a Violation Case:** No

Is a Violation Case: No						
1.Name of Project	New Super speciality hospital Building in Dr. D.Y. Patil Hospital Complex					
2.Type of institution	Private					
3.Name of Project Proponent	M/s. Continental Medicare Foundation.					
4.Name of Consultant	Building Environment India Pvt.Ltd.					
5.Type of project	Buildings and Constructions					
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable					
8.Location of the project	D Y Patil Hospital Complex, Plot No – 2, Sector – 5, Nerul, Navi Mumbai					
9.Taluka	Thane					
10.Village	Nerul Node					
Correspondence Name:	Dr Anupam Karmarkar					
Room Number:	Administration Department					
Floor:	3rd floor					
Building Name:	D.Y. Patil Hospital					
Road/Street Name:	na					
Locality:	Nerul					
City:	Navi Mumbai					
11.Area of the project	Navi Mumbai					
	Concession Layout approved by Navi Mumbai Municipal Corporation					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: LOI dated 20.06.2018, Vide Letter NMMC/ TPO/ ADTP/2495/2018					
	Approved Built-up Area: 92500					
13.Note on the initiated work (If applicable)	Dr. D.Y. Patil Hospital and Research Centre was founded in 2004 over an area of 60000 sq.mt. The hospital has 1500 beds, 100 bed ICU, 15 bed operation theatre, 24x7 charitable casualty and trauma centre. The project had received clearance in 2004 for an area of 20000 sq. m. It got an additional clearance for another 8000 sq.m in 2017. The organisation now plans an expansion in its complex by construction of new super speciality hospital building for which it has received approval from the local authorities. However the total construction area is now going beyond 20000 sq.m and hence the project requires a prior environmental clearance.					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI dated 20.06.2018, Vide Letter NMMC/ TPO/ ADTP/2495/2018					
15.Total Plot Area (sq. m.)	60000					
16.Deductions	-					
17.Net Plot area	60000					
18 (a).Proposed Built-up Area (FSI &	<b>a) FSI area (sq. m.):</b> 60000*1.541=92500 Total (Existing + Proposed) = (43820.176+44436.400) =88256.0176					
Non-FSI)	<b>b) Non FSI area (sq. m.):</b> Total (Existing + Proposed) = (3928.01 + 22937.027) = 26865.041					
	c) Total BUA area (sq. m.): 67373.427					
10 (b) Ammoved Deeth	<b>Approved FSI area (sq. m.):</b> 92500; Proposed Building: 44436.400 (Existing Hospital Building: 20149+8282.053 = 28431.053 sq. m, Medical College: 15388.012, )					
18 (b).Approved Built up area as per DCR	<b>Approved Non FSI area (sq. m.):</b> 26865.041 Proposed Building :22937.026 (Existing Hospital Building : 3928.01)					
	<b>Date of Approval:</b> 20-06-2018					
19.Total ground coverage (m2)	6933.323					



SEAC Meeting No: 89 Meeting Date: February 20, 2019

(M. M. Adtani)

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20.Ground-o (Note: Perce to sky)	overage Perc intage of plot		11.56					
21.Estimate	d cost of the	project	202000000					
	2	2.Num	ber of k	ouildin	gs & its confi	guration		
Serial number Building Name & number Number of floors Height of the building								
1	I	Building No	Ĺ	2 basem	45			
2	9	Building No	1	2 basem	ent; Ground+ 9 floors	45		
23.Number tenants an		none						
24.Number expected rusers		4989						
25.Tenant per hectar		NA						
26.Height building(s)								
(Width of t from the n station to	27.Right of way (Width of the road from the nearest fire station to the proposed building(s)  9 m							
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	6-9m						
29.Existing structure (		received a (		or an area o		ea of 20000 sq.m which further q.m for medical college area had		
demolition disposal (I	30.Details of the demolition with disposal (If applicable)							
			31.P	roduct	ion Details			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not app	olicable	Not app	olicable	Not applicable	Not applicable		
	32.Total Water Requirement							





	Source of water	NIMMC/CTD/MATED TANIFED
		NMMC/ STP/ WATER TANKER
	Fresh water (CMD):	240
	Recycled water - Flushing (CMD):	152.4
	Recycled water - Gardening (CMD):	1.6
	Swimming pool make up (Cum):	NA
Dry season:	Total Water Requirement (CMD):	396
	Fire fighting - Underground water tank(CMD):	6.1L/Min/sqm or 37L/Min/m length of water curtain
	Fire fighting - Overhead water tank(CMD):	4.1L/Min/sqm
	Excess treated water	191
	Source of water	NMMC/RWH/STP
	Fresh water (CMD):	240
	Recycled water - Flushing (CMD):	152.4
	Recycled water - Gardening (CMD):	1.6
	Swimming pool make up (Cum):	NA
Wet season:	Total Water Requirement (CMD):	396
	Fire fighting - Underground water tank(CMD):	6.1L/Min/sqm or 37L/Min/m length of water curtain
	Fire fighting - Overhead water tank(CMD):	4.1L/Min/sqm
	<b>Excess treated water</b>	208
Details of Swimming pool (If any)	na	

33.Details of Total water consumed

Particula rs	Consum	ption (CMD	))	Lo	oss (CMD)		Effluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Fresh water requireme nt	Not applicable	394	394	00	00	00	Not applicable	Not applicable	Not applicable	
Domestic	Not applicable	242	242	00	00	00	Not applicable	Not applicable	Not applicable	
Gardening	Not applicable	1.6	1.6	00	00	00	Not applicable	Not applicable	Not applicable	



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Cooling tower & thermopa ck	Not applicable	le 176 176 00 00 00 Not Not applicable applicable					Not applicable	Not applicable						
			of the (er table:	Ground	1.50 - 2	1.50 - 2 m BGL								
		tank	and no one of the contract of	of RWH	1 days	1 days of storage capacity								
		Loca tank	tion of the	he RWI	Underg	Underground (Lowest Basement Level)								
34.Rain W		Quantity of recharge pits:			NA NA				^					
(RWH)	Size :	of recha	rge pits	30 m <sup>3</sup> /d	ay – capacit	y of eac	ch recharge pit	202						
			getary al		10 lacs									
			getary all M cost)		1 lac									
Details of UGT if any:					adequa	adequate capacity tanks will be provided								
Natural water drainage pattern:					NA	NA								
35.Storm drainage	35.Storm water drainage		ntity of ser:	torm	686.85	M³/hr	3							
		Size	of SWD:		450 mn	450 mm Wide Channel drain								
		•			4									
		Sewa in K	age gene LD:	ration	347	347								
		STP	technolo	gy:	MBBR									
Sewage a	and	Capa (CM)	acity of S D):	TP	01. 350 KLD capacity									
Waste wa			tion & an	rea of	Underground Basement Level									
			getary all ital cost		n 37lacs									
			getary all M cost):		4 lacs	4 lacs								
	5,		36	.Sol	id was	ste Ma	nage	ement						
Waste gene		Wast	te genera	ation:		Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from NMMC								
the Pre Con and Constru phase:			osal of tl truction is:			Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from NMMC								
		Dry	waste:		540 kg/	day								
		Wet	waste:		707 kg/	day								
Waste ger	neration	Haza	ardous w	aste:	2000 kg	g/ year								
in the ope Phase:			nedical w icable):	aste (I	176.7 K	.g/Bed/Day =	= 477 to	onne/ per month	1					
		STP slud	Sludge ( ge):	Dry	87.5 Kg	/day								
		Othe	ers if any		NA									
Mr. Surykant Nikam SEAC Meeting N (Secretary SEAC-II)					20, 20		re <del>vruar</del>	216	SEAC-II)	ın (Chairman				

	Dry waste:	Handed over to NMMC					
	Wet waste:	Composting through OWC & used at site/as manure					
	Hazardous waste:	Will handed over to authorized dealer					
Mode of Disposal of waste:	Biomedical waste (If applicable):	Will handed over to Mumbai Waste Management Limited					
	STP Sludge (Dry sludge):	Will be used for landscape and gardening purposes					
	Others if any:	NA					
	Location(s):	NA					
Area requirement:	Area for the storage of waste & other material:	NA					
	Area for machinery:	NA					
Budgetary allocation (Capital cost and	Capital cost:	NA					
O&M cost):	O & M cost:	NA					

#### **37.Effluent Charecterestics**

Serial Number	Parameters	Unit	Unit Inlet Effluent Outlet Effluent Effluent disch Charecterestics Charecterestics standards (M.						
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable				
Amount of 6 (CMD):	effluent generation	Not applica	ble						
Capacity of	the ETP:	Not applicable							
Amount of trecycled:	reated effluent	Not applicable							
Amount of v	water send to the CETP:	Not applicable							
Membershi	p of CETP (if require):	Not applicable							
Note on ET	P technology to be used	Not applicable							
Disposal of	the ETP sludge	Not applica	ble						

#### 38. Hazardous Waste Details

130	77 tonne/month 130 tonne/month	Incineration / Pyrolysis Incineration/ Plasma Pyrolysis
ne/month		Pyrolysis
55		
ne/month	55 tonne/month	Either sent back to manufacturer / Incineration
34 ne/month	34 tonne/month	Autoclaving
153 ne/month	153 tonne/month	Autoclaving
28 ne/month	28 tonne/month	Autoclaving/ dry heat sterilization followed by mutilation or shredding
ne	/month	/month tonne/month 28 28

#### 39.Stacks emission Details



Serial Number	Section	& units	F	uel Use Quan	ed with atity	Stacl	κ No.	Height from ground level (m)	Inte diam (n	eter	Temp. of Exhaust Gases
1	Not ap	t applicable Not app			licable	Not Not applicable			N appli		Not applicable
			4	0.Det	tails of H	uel	to be	e used			
Serial Number	Туј		Existing			Proposed			Total		
1	Not	applicable		N	ot applicabl	le	N	Vot applicabl	е		Not applicable
41.Source	of Fuel			Not ap	pplicable						
42.Mode of	Transportat	ion of fuel to	site	Not ap	pplicable						_
		Total RG a	rea :		Not applica	ıble as	per N	MMC			
		No of trees	s to b	e cut							<b>\</b>
		: Number of	troo	a to							
43.Gree	n Belt	be planted		s to							
Develop	ment	List of pro		l							
		Timeline for completion plantation	ı of				C	0			
	44.Nu	mber and	l list	t of ti	rees spe	cies	to b	e plante	d in t	the g	ground
Serial Number	Name of	the plant	C	ommor	n Name		Qua	ntity	Ch		eristics & ecological importance
1	N	ĪΑ		NA	NA NA NA					NA	
45	.Total qua	ntity of plan	ts on	groun	d						
46.Nun	nber and	list of sl	ırub	s and	d bushes	s spe	cies	to be pla	ante	d in	the podium RG:
Serial Number		Name			C/C Dista	nce			Area m2		
1		NA		7	NA					N	A
	47.Energy										
	S										

Mr. Surykant Nikam (Secretary SEAC-II)

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	Source of power supply:	MSEDCL
	During Construction Phase: (Demand Load)	2500 units
	DG set as Power back-up during construction phase	5000 units
	During Operation phase (Connected load):	Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply.
Power requirement:	During Operation phase (Demand load):	Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply.
	Transformer:	Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply.
	DG set as Power back-up during operation phase:	6 DG sets of capacity 1 MVA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

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

Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation. This also results in less demand for the project.

The common area lighting are proposed to work on high energy efficient lamps LED type.

Street lighting is proposed with energy efficient LED fittings.

Lifts are proposed with regenerative drives.

No saving considered for internal load of flats/shops since selection of the ac and light fittings is in the user's scope. Solar water heaters are provided for 50% flats in the buildings.

	49.Detail calculations & % of saving:									
Serial Number	E	nergy Conservation M	easures	Saving %						
1		NA		NA						
	50.Details of pollution control Systems									
Source	Ex	isting pollution contro	ol system	Proposed to be installed						
Not applicable		Not applicable		Not applicable						
		Capital cost:	NA							
1 -	cost and cost):	O & M cost:	NA							
51	.Envir	onmental Mai	nagement	plan Budgetary Allocation						



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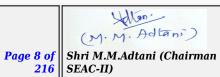
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Shri M.M.Adtani (Chairman SEAC-II)

Allan:

		a)	Construc	ction	pha	se (v	vith Bre	ak-u	p):					
Serial Number	Attributes Parameter				Total Cost per annum (Rs. In Lacs)									
1	Erosion Con 1 Air Dust Pal Meas			lliation	nd				0.8					
2	2 Land Site Sanitation						0.25							
3	]	and	Site S	Safety					0.7					
4	Air, water	, soil and Bio	Enviror Monit			0.25								
	b) Operation Phase (with Break-up):													
Serial Number	Com	ponent	Descr	iption		Capi	tal cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)			
1		e treatment Plant	IS	I STP			60			20				
2		nd water arge pit	adequa	adequate nos			10	2		3				
3	3 Organic waste adequate nos			ate nos		19 5								
51.S	torag	e of cho	emicals	(infl sub				osiv	e/haz	zardou	s/toxic			
Descri	ption	Status	Location	n	Car			/ Me	umption onth in MT	Source of Supply	Means of transportation			
Not app	licable	Not applicable	Not applica	ible		Not licable	Not applicable	Not a	pplicable	Not applicable	Not applicable			
			52.A	ny Ot	her	Info	rmation	1						
No Informa	tion Availa	ble												
			53.	Traffi	c M	lana	gement							
				02										





	Number and area of basement:	2 basements basement 1: 6933.323 sq mt basement 2 6818.404 sq mt
	Number and area of podia:	N. A
	Total Parking area:	755 sq.m
	Area per car:	11.25 sq m
	Area per car:	11.25 sq m
Parking details:	Number of 2- Wheelers as approved by competent authority:	56
	Number of 4- Wheelers as approved by competent authority:	559
	Public Transport:	NA
	Width of all Internal roads (m):	6-9M
	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	8B
	Court cases pending if any	NONE
	Other Relevant Informations	
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC





PP Mr. Shirish Patil, vice chancellor & Architect Mr. Shekhar Bagul were present during the meeting along with environmental consultant M/S Building Environment India Pvt. Ltd.

PP informed that, the project previously considered in 85<sup>th</sup> SEAC-2 meeting held on 19/01/2019 & was deferred to revise the proposal which also include the existing hospital structures.

PP informed that, the total plot area of the project is 60000Sq. mt. having total construction area 67373.427Sq. mt. (FSI - 60000\*1.541=92500 Total (Existing + Proposed) = (43820.176 + 44436.400) = 88256.0176Sq. mt. + NON FSI- Total (Existing + Proposed) = (3928.01 + 22937.027) = 26865.041Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No 1	2 basement; Ground+ 9 floors	45
9Building No 1	2 basement; Ground+ 9 floors	45

PP stated that, Total Permissible FSI Area (As per 1.541 for entire plot) is 92500 Sq. mt.

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

#### **Specific Conditions by SEAC:**

- 1) PP to submit Architect certificate regarding construction done on site prior to EIA Notification, 2006;as per EC received from local planning authority i.e annexure 14 along with copy of EC & plan submitted to for the same.
- 2) PP to submit the detail plan regarding disposal of hazardous waste.
- 3) PP to submit the detail plan regarding disposal of biomedical waste.
- 4) PP to submit Atomic Energy Regulatory Board (AERB) NoC.
- 5) PP to submit the detail design & calculation for the ETP.
- 6) PP to submit the Indoor air quality, Indoor light quality analysis & Ventilation analysis report
- 7) PP to submit the radioactive waste disposal plan.
- 8) PP to carry out ECBC energy calculation studies.
- 9) PP to submit the detail plan for vehicular movement.
- 10) PP to submit detail fire tender movement plan.
- **11)** PP to provide 40% STP tanks area open to sky for adequate ventilation.
- 12) PP to submit the site specific disaster management plan.

# SEAC de FINAL RECOMMENDATION

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



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

Sollan:

#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

#### SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivli (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." By M/s Bambay Slum Development Corporation

**Is a Violation Case:** No

is a violation case. No	
1.Name of Project	M/s. Bombay Slum Redevelopment Corporation Limited.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Priyank K Hemani, M/s Bombay Slum Redevelopment Corporation Limited.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	SRA Scheme 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	No
8.Location of the project	CTS No. 1110 (pt) of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai
9.Taluka	Borivali
10.Village	Kandivali
<b>Correspondence Name:</b>	Mr. Priyank K Hemani
Room Number:	605
Floor:	6th floor
Building Name:	Trade Center
Road/Street Name:	-
Locality:	Opp. MTNL Tel. Exchange, BKC, Bandra- East
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
	Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
	Approved Built-up Area: 239312.35
13.Note on the initiated work (If applicable)	we have stared work on site as per the approval dt $06.04.2017$ , As on today we have constructed $18,385.97$ m2 area
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Revised LOI from SRA under No. SRA/ENG/107/RS/ML/LOI dated 06/04/2017
15.Total Plot Area (sq. m.)	30,100.30 m2
16.Deductions	11,143.04 m2
17.Net Plot area	18,957.26 m2
97	a) FSI area (sq. m.): 1,34,811.12 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 1,38,143.48 m2
Tron-1 SI)	c) Total BUA area (sq. m.): 272954.6
	<b>Approved FSI area (sq. m.):</b> 1,13,057.30 m2
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 1,26,255.05 m2
DOM	Date of Approval: 06-04-2018
19.Total ground coverage (m2)	10,682.58 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56%
21.Estimated cost of the project	604000000



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(M. M. Adlans)

Shri M.M.Adtani (Chairman

SEAC-II)

	2	2.Number of l	ouildings & its config	guration
Serial number	Buildin	ng Name & number	Number of floors	Height of the building (Mtrs)
1	Со	omp. Bldg No. 1	Ground + 7 Upper floors	23.80
2	Comp. 1	Bldgs no. 2 (Wing A_ Rehab)	Ground + 7 Upper floors	23.80
3	Comp. Bld	gs no. 2 (Wing B_ Sale)	Ground + 7 Upper floors	23.80
4	Comp. Blo	dgs no. 3 (Wing- A & B _Rehab)	Ground + 21 Upper floors	64.40
5	Comp. Blo	dgs no. 3 (Wing- C & D Rehab)	Ground + 23 Upper floors	69.90
6	Comp. Blo	dgs no. 3 (Wing- E & F Rehab)	Ground + 23 Upper floors	69.90
7	Comp. Bld	gs no. 3 (Wing- G Sale)	Ground + 23 Upper floors	69.90
8	Comp. Bld	gs no. 3 (Wing- H Sale)	Ground + 23 Upper floors	69.90
9	Comp. Bldg	gs no. 3 (Wing- I Rehab)	Ground + 23 Upper floors	69.90
10	Sale Bui	lding No.4 (Tower A)	B+G+9P+ Amenity +38 Floor	153.35
11	Sale Bui	lding No.4 (Tower B)	B+G+9P+ Amenity +38 Floor	153.35
12	Sale Bui	lding No.4 (Tower C)	B+G+9P+ Amenity +38 Floor	153.35
13	Sale Bui	lding No.4 (Tower D)	B+G+9P+ Amenity +38 Floor	153.35
14	Sale Bui	lding No.4 (Tower E)	B+G+9P+ Amenity +38 Floor	153.35
15	Rehab Buil	ding No. 5 (Wing- A & B Rehab)	Ground + 23 Upper floors	69.90
23.Numbe tenants an		Comp. Bldg. No. 1 Flats: 78 Nos. Shops: 07 Nos.  Comp. Bldg. No. 2 Flats: 114 Nos. Shops: 09 Nos.  Comp. Bldg. No. 3 Flats: 1,395 Nos. Amenity area: 625.30 m Shops: 37 Nos.  Sale. Bldg. No. 4 Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos.  Rehab Bldg. No. 5 Flats: 289 Nos. Amenity area: 147.0 m2 Shops: 02 Nos.		
24.Numbe expected r users 25.Tenant	residents /	16,304 Nos.		
per hectar	re	1060 /Ha		
26.Height building(s				





27.Right of (Width of t from the n station to t proposed h	the road earest fire the	18.30 m & 2	18.30 m & 13.40 m wide D.P Road.					
28.Turning for easy ac fire tender movement around the excluding t	from all building the width	9 m						
29.Existing structure (		Existing slu	ms					
30.Details demolition disposal (I applicable)	with f	Existing slu	Existing slums will be demolished					
			31.P	roduct	ion Details			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not app	plicable	Not app	plicable	Not applicable	Not applicable		
		3	2.Tota	l Wate	r Requirement			
		Source of	water	MCGM				
		Fresh wate		1,440 KLD				
		Recycled water - Flushing (CMD):		723 KLD				
		Recycled w Gardening		12 KLD				
	Swimming pool make up (Cum):			7 KLD				
Red::		Total Wate Requireme	er ent (CMD)	2,170 KLD				
		Fire fightin Undergroutank(CMD	nd water	As per the CFO NOC				
		Fire fighting Overhead tank(CMD)	water	As per the (	As per the CFO NOC			
		Excess trea	ated water	1,264 KLD				

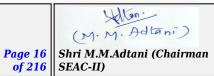


		Source of		MCGM + RWH							
		Fresh water		1,258 + 182 KLD							
			Recycled water - Flushing (CMD):		723 KLD						
		Recycled v Gardening		-							
		Swimming make up (		7 KLD							
Wet season	n:	Total Wate Requirement:		2,170 KLD							
		Fire fighting Undergroutank(CMD	nd water	As per the (	CFO NOC						
		Fire fighting Overhead tank(CMD)	water	As per the (	CFO NOC						
		Excess trea	ated water	1,276 KLD							
Details of Spool (If an		On Podium	top (Sale Bu	ilding)							
		3	3.Detail	s of Tota	l water o	consume	d				
Particula rs	Cons	sumption (C	CMD)		Loss (CMD)		E	ffluent (CM)	D)		
Water Require ment	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		
				\(\)							
		Level of th		3-4 m							
		Size and no of RWH tank(s) and Quantity:		7 Tanks of total 420 m3 capacity							
		Location o tank(s):	f the RWH	Underground/ Basement							
34.Rain V Harvestin		Quantity o pits:	f recharge	NA							
(RWH)		Size of rec	harge pits	NA							
	<b>5</b> <sup>y</sup>	Budgetary (Capital co	allocation ost) :	97 lakh							
		Budgetary (O & M cos		5.0 lakh/y							
		Details of if any:	UGT tanks	Underground (Rehab) & Basement (sale)							
35.01		Natural wa drainage p		Towards North-West side of the plot							
35.Storm drainage	water	Quantity o water:	f storm	2,196.93 m3/hr							
		Size of SW	D:	450 mm x 7	00 mm						
Mr. Suryka	Qu.	GEA.	C Marking N	o: 89 Meetin	a Data. Esha		ge 15 Shri	M. M. Adt			



Mode of Disposal of waste:    Hazardous waste: NA			Sewage ge	neration					
Capacity of STP (CMD):   Location & area of the STP:   Location & area of the STP:   Budgetary allocation (Capital cost):   At Lakh     Budgetary allocation (Capital cost):   Budgetary allocation (Capital cost):   At Lakh     Budgetary allocation (Capital cost):   Budgetary allocation (Capital cost):   Budgetary allocation (Capital cost):   At Lakh     Budgetary allocation (Capital cost):   Budgetary allocation (Capital cost):   Budgetary allocation (Capital cost):   Budgetary allocation (Capital cost):   Area for machinery:   Location: Basement , Total Area provided: 1350 m2     Area requirement:   Location: Basement , Total Area provided: 1350 m2     Area requirement:   Location: Basement , Total Area provided: 1350 m2     Location: Basement , Total Area provided: 1350 m2     Area requirement:   Location: Basement , Total Area provided: 1350 m2     Location: Basement , Total Area provided: 1350 m2     Location: Basement , Total Area provided: 1350 m2     Area requirement:   Location: Basement , Total Area provided: 1350 m2     Location: Basement , Total Area provided: 1350 m3 and Excavation quantity, 23,000 m1     Location: Basement , Total Area provided: 1350	in KLD:		neration	2,019 KLD					
CMD :   Location & John Capital Cost			STP technology:		MBBR Technology				
Location & area of the STP:	Sowano :	and		f STP	8 STP's of total 2,200 KI	LD capacity			
Capital cost):   Budgetary allocation (O & M cost):   88 Lakh/y	_			area of	Location: Basement , To	tal Area provided: 1350	m2		
Social waste Management   Social waste Management					440 Lakh				
Waste generation in the Pre Construction and Construction and Construction bhase:    Waste generation   Disposal of the construction waste debris:   Dry waste:   2.170 kg/d					88 Lakh/y				
The Construction and Construction phase:    Disposal of the construction waste debris:			3	36.Soli	d waste Mana	gement			
the Pre Construction phase:    Disposal of the construction waste debris:   Disposal of the construction waste debris:   Dry waste:   2,170 kg/d	Waste gene	eration in	Waste gen	eration:	Construction debris: 8,0	000 m3 and Excavation o	uantity: 23,000 m3		
Waste generation in the operation Phase:    Hazardous waste: NA	the Pre Cor and Constr	nstruction	constructi						
Waste generation in the operation Phase:    Hazardous waste:			Dry waste:		2,170 kg/d				
Biomedical waste (If applicable):   STP Sludge (Dry sludge):   Others if any:			Wet waste	•	3,255 kg/d				
Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any: Household E-Waste Generation  Dry waste: Wet garbage will be handed over to authorized recyclers Wet waste: Wet garbage will be composted using Mechanical Composting unit will be used as organic manure for landscaping.  Hazardous waste: NA  Biomedical waste (If applicable): STP Sludge (Dry sludge):  Others if any:  Others if any:  Cothers if any:  Location(s): Area for the storage of waste & other material: Area for machinery: Capital cost and O&M cost:  Serial Parameters Unit  Not applicable  Not applicable N	Waste dei	neration	Hazardous	waste:	NA				
STP Sludge (Dry sludge):  Others if any:  Dry waste: Wet waste: Wet waste: Wet garbage will be handed over to authorized recyclers Wet waste: Wet garbage will be composted using Mechanical Composting unit will be used as organic manure for landscaping.  Hazardous waste: NA  Biomedical waste (If applicable): STP Sludge (Dry sludge): Others if any:  Cothers if any:  Location(s): Area for the storage of waste & other material: Area for machinery:  Budgetary allocation (Capital cost and O&M cost):  Serial Number  Parameters  Unit Inlet Effluent Charecterestics  Not applicable Not applicable Not applicable Net applicab	in the ope				NA				
Mode of Disposal of waste:  Wet waste:  Wet garbage will be composted using Mechanical Composting unit will be used as organic manure for landscaping.  Hazardous waste:  NA  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Location(s):  Area for the storage of waste & other material:  Area for machinery:  Area for machinery:  115 m2  Budgetary allocation (Capital cost and O&M cost):  Serial Number  Parameters  Unit Inlet Effluent Charecterestics  Not applicable of N	114501			e (Dry	20 m3/day				
Wet waste:  Wet waste:  Wet garbage will be composted using Mechanical Composting unit will be used as organic manure for landscaping.  NA  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Location(s):  Area for the storage of waste & other material:  Area for machinery:  Area for machinery:  In E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any).  Area for the storage of waste & other material:  Area for machinery:  115 m2  Budgetary allocation (Capital cost and O&M cost):  Serial Number  Parameters  Unit Inlet Effluent Charecterestics  Serial Number  Not applicable Not applicable of the properties of the pr			Others if a	ny:	Household E-Waste Generation				
Mode of Disposal of waste:  Hazardous waste:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Location(s):  Area for the storage of waste & other material:  Area for machinery:  Area for machinery:  Area for machinery:  The E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any).  Ground floor / Basement  Area for the storage of waste & other material:  Area for machinery:  115 m2  Budgetary allocation (Capital cost:  O & M cost:  37.Effluent Charecterestics  Serial Number  Parameters  Unit Inlet Effluent Charecterestics  Not Not applicable			Dry waste:		Dry garbage will be handed over to authorized recyclers				
Mode of Disposal of waste:    STP Sludge (Dry sludge):   Studge use as manure for gardening			Wet waste	:	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.				
of waste:    Applicable   STP Sludge (Dry sludge):   Sludge use as manure for gardening			Hazardous waste:		NA				
Sludge is as manure for gardening  Others if any:  The E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any).  Location(s):  Ground floor / Basement  Area for the storage of waste & other material:  Area for machinery:  115 m2  Budgetary allocation (Capital cost and 0&M cost):  Capital cost:  132 Lakh  O & M cost:  53 Lakh/y   37.Effluent Charecterestics  Serial Number  Parameters  Unit Inlet Effluent Charecterestics standards (MI		Disposal			NA				
Area for the storage of waste & other material:  Area for machinery: 115 m2  Budgetary allocation (Capital cost and O&M cost): 53 Lakh/y  Serial Number Parameters Unit Inlet Effluent Charecterestics Inlet applicable Not applicable					Sludge use as manure for gardening				
Area for the storage of waste & other material:  Area for machinery: 115 m2  Budgetary allocation (Capital cost and O&M cost): 132 Lakh  O & M cost: 53 Lakh/y  37.Effluent Charecterestics  Serial Number Parameters Unit Inlet Effluent Charecterestics Standards (MI)  Not applicable Not applic			Others if any:		authorized by MPCB (if any).				
of waste & other material:  Area for machinery: 115 m2  Budgetary allocation (Capital cost and O&M cost): 132 Lakh  O & M cost: 53 Lakh/y  37.Effluent Charecterestics  Serial Number Parameters Unit Inlet Effluent Charecterestics Standards (MI			Location(s	):	Ground floor / Basement				
Budgetary allocation (Capital cost: 132 Lakh  O&M cost: 53 Lakh/y  37.Effluent Charecterestics  Serial Number Parameters Unit Inlet Effluent Charecterestics Standards (MI		ent:	of waste & other		200 m2				
Budgetary allocation (Capital cost: 132 Lakh  O&M cost): 132 Lakh  O & M cost: 53 Lakh/y  37.Effluent Charecterestics  Serial Number Parameters Unit Inlet Effluent Charecterestics Standards (MI		2)	Area for m	achinery:	115 m2				
Serial Number Parameters Unit Inlet Effluent Charecterestics  Not Not applicable									
Serial Number Parameters Unit Inlet Effluent Charecterestics Unit Charecterestics Charecterestics Standards (MI			t:	53 Lakh/y					
Serial Number Unit Inlet Effluent Charecterestics Outlet Effluent Standards (MI				37.Ef		estics			
		Parameters   I nit		Inlet Effluent	Outlet Effluent	Effluent discharge standards (MPCB)			
	1	Not app			Not applicable	Not applicable	Not applicable		
Amount of effluent generation (CMD):  Not applicable		ffluent gene	eration	Not applica	ble				





Capacity of	the ETP		Not a	pplica	ble						
	reated efflu	ent	Not applicable								
recycled:		- th - OETD									
	water send t		-	pplica							
	p of CETP (in P technology			pplica pplica							
	the ETP sluc			pplica pplica							
Disposar or	the ETF Siuc	ige	<u> </u>			<b>XA</b> 7	to D	\_t_il_			
			3	8.Ha	zardous	was	te D	etalis	1		1
Serial Number	Descr	ription	C	at	UOM	Exis	ting	Proposed	To	tal	Method of Disposal
1	Not ap	plicable	N appli	ot cable	Not applicable	No appli		Not applicable	No applie		Not applicable
			3	9.St	acks em	issio	n D	etails			0.7
Serial Number	Section	& units	Fu		ed with ntity	Stack	ι No.	Height from ground level (m)	Inte diam (n	eter	Temp. of Exhaust Gases
1	Not ap	plicable	N	lot app	plicable	No applie		Not applicable	N appli		Not applicable
			40	).De	tails of F	uel	to be	e used			
Serial Number	Туг	e of Fuel			Existing	Proposed		Total		Total	
1	Not	applicable		N	lot applicabl	e Not applicable Not appl			Not applicable		
41.Source	of Fuel			Not a	pplicable						
42.Mode of	Transportat	ion of fuel to	site	Not a	pplicable	>>					
						>					
		Total RG a	rea :		RG area red	quired:	1,491	1.29 m2 & R	G area	provi	ded: 2,341.95 m2
		No of trees	s to be cut		t • Trees on site: 19 Nos. • Trees to be transplant: 12 Nos . • Tress to be retained: 07					: 12 Nos . • Tress to be	
43.Gree	n Relt	Number of be planted	f trees to		235 Nos.						
Develop		List of pro	posed As por the l			ist					
		Timeline f	55:								
	^ 5	completion plantation	ı of		2-4 years						
	44.Nu	mber and	l list	of t	rees spe	cies	to b	e plante	d in t	the g	ground
Serial Number	Name of	the plant	Co	ommo	n Name		Qua	ntity	Cha		eristics & ecological importance
1		ephalus amba	Kadamb		Deciduous tree, large foliage & beautiful tree			35			
2	Cassia	fistula	Bah		Bahava		Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.				36
3	Alstonia	scholaris		Sat	vin	ever	green	tree, white			32





(M. M. Adtani) Page 17 | Shri M.M.Adtani (Chairman SEAC-II)

4	Pongamia pinnata	Karanj	Shady tree	34
5	Murraya exotica	Kunti	Small, evergreen tree, good for gardens	36
6	Butea Monosperma	Palash	Medium deciduous tree with bright flowers	28
7	Erythrina indica Pangara		Medium sized deciduous tree. Bright scarlet flowers.	34
4	5.Total quantity of plar	its 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	-	-	-0 >

# 47.Energy

	Source of power supply:	ADANI/ TATA
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	500 kVA
_	During Operation phase (Connected load):	19.0 MW
Power requirement:	During Operation phase (Demand load):	10.4 MW
	Transformer:	Rehab: 3 x 1000 kVA, Sale: 3 x 1000 kVA
	DG set as Power back-up during operation phase:	Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA (Rehab)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

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

• Solar hot water system to residential flats

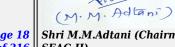
• Solar PV panels for common area and landscape area lighting

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

	100200011 001001101010 01 70 01 50011119.							
Serial Number	Energy Conservation Measures	Saving %						
1	Total energy saving	22.7 %						
50.Details of pollution control Systems								
Source	Existing pollution control system	Proposed to be installed						
Not applicable	Not applicable	Not applicable						







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**Budgetary allocation Capital cost:** 145 Lakhs (Capital cost and O & M cost: 7.0 Lakh/y O&M cost):

# 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	-	8.5
2	Site sanitation (Toilets)	-	3.5
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	8
4	Potable Water Supply to Labour Camp	-	3.5
5	Health check-up & first aid	-	3.0
6	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	12
7	Traffic Management	Sign Boards, Persons at entry exit and Parking area	2.5
8	Safety nets		6.5
9	Solid Waste Management & Site maintenance activity		2.5
10	Safety - Training to Workers	(Twice in Year), Safety Officer	3.0

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

b) operation I have (with broad up).					
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)	
1	STP (Tertiary)	Continuous O & M	440	88	
2	Solar PV panels and Solar Hot water System Weekly		145	7	
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	97	5	
4	Solid waste Composting plant	Continuous O & M	132	53	
5	Landscape development	Daily	21	3	





# 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

3.7	T C			
Nο	Informa	ation	Avai	lable

53.Traffic Management			
	Nos. of the junction to the main road & design of confluence:	18.30 m & 13.40 m wide D.P Road	
	Number and area of basement:	1 Basement having area 6,603 m2	
	Number and area of podia:	9 podiums ( Per Podium area 5,476 m2)	
	Total Parking area:	50,410 m2	
	Area per car:	35:5 m2	
	Area per car:	35.5 m2	
Parking details:	Number of 2- Wheelers as approved by competent authority:	300 Nos.	
	Number of 4- Wheelers as approved by competent authority:	Rehab: required - 82 Nos. & provided: 83 Nos. Sale: required - 1,247 Nos. & provided: 1,337 Nos	
	Public Transport:	-	
6	Width of all Internal roads (m):	9 m	
	CRZ/ RRZ clearance obtain, if any:	NA	
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is located at distance of 3 Km from the boundary of Sanjay Gandhi National Park (SGNP). As per Eco Sensitive Zone notification of SGNP, published by MoEF&CC vide no. S. O. 3645 (E) dated 05.12.2016 our project site falls outside the ESZ area i.e. (100 m).	
	Category as per schedule of EIA Notification sheet	8 (b)	





Allen:

Court cases pending if any	No
Other Relevant Informations	-
Have you previously submitted Application online on MOEF Website.	No
Date of online submission	-

# **TOR Suggested Changes**

	TON Suggested Changes				
Consolidated Statement Point Number	Original Remarks	Submitted Changes			
Subject	Environment Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivli (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." By M/s Bambay Slum Development Corporation	Environmental Clearance for proposed Slum Rehabilitation Scheme on land bearing Part of CTS. No. 1110 of Village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai Suburban District for "Shivshakti Nagar Co-operative Housing Society Ltd." proposed by M/s. Bombay Slum Redevelopment Corporation Pvt. Ltd.			
1.Name of Project	M/s. Bombay Slum Redevelopment Corporation Limited.	M/s. Bombay Slum Redevelopment Corporation Pvt. Ltd.			
13. Note on the initiated work (If applicable)	We have stared work on site as per the approval dt 06.04.2017, As on today we have constructed 18,385.97 m2 area	We have started work on site as per the approvals received from SRA. As on today, we have constructed 18,385.97 m2 area.			
22. Number of buildings & its configuration	6. Comp. Bldgs no. 3 (Wing- E & F Rehab) : Ground + 23 Upper floors (69.90 m)	6. Comp. Bldgs no. 3 (Wing- E & F Rehab) : Ground + 33 Upper floors (98.90 m)			
22. Number of buildings & its configuration	6. Comp. Bldgs no. 3 (Wing- G Sale) : Ground + 23 Upper floors (69.90 m)	6. Comp. Bldgs no. 3 (Wing- G Rehab) : Ground + 33 Upper floors (98.90 m)			
22. Number of buildings & its configuration	15. Rehab Building No. 5 (Wing- A & B Rehab): Ground + 23 Upper floors (69.90 m)	15. Sale Building No. 5 (Wing- A & B Sale): Ground + 15 Upper floors - A wing (46.70 m) & Ground + 23 upper floors - B wing (69.90 m)			
23.Number of tenants and shops	<ul> <li>Comp. Bldg. No. 1 Flats: 78 Nos. Shops: 07 Nos.,</li> <li>Comp. Bldg. No. 2 Flats: 114 Nos. Shops: 09 Nos.,</li> <li>Comp. Bldg. No. 3 Flats: 1,395 Nos. Amenity area: 625.30 m2 Shops: 37 Nos.,</li> <li>Sale. Bldg. No. 4 Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos.,</li> <li>Rehab Bldg. No. 5 Flats: 289 Nos. Amenity area: 147.0 m2 Shops: 02 Nos.</li> </ul>	• Comp. Bldg. No. 1- Flats: 78 Nos. Shops: 07 Nos. Amenity area: 22.27 m2, • Comp. Bldg. No. 2- Flats: 114 Nos. Shops: 09 Nos., • Comp. Bldg. No. 3- Flats: 1,588 Nos. Amenity area: 1,224 m2 Shops: 33 Nos., • Sale. Bldg. No. 4 - Flats: 1,301 Nos. Amenity area: 1,200 m2 Shops: 19 Nos., • Sale Bldg. No. 5- Flats: 197 Nos. Amenity area: 195 m2.			
24.Number of expected residents / users	16,304 Nos.	16,856 Nos.			
25.Tenant density per hectare	1060 /Ha	1092 /Ha			
32.Total Water Requirement	Dry season: • Fresh water: 1,440 KLD, • Recycled water - Flushing: 723 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,170 KLD • Excess treated water: 1,264 KLD	Dry season: • Fresh water: 1,487 KLD, • Recycled water - Flushing: 747 KLD, • Swimming pool make up: 6 KLD, • Total Water Requirement: 2,240 KLD • Excess treated water: 1,306 KLD			





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Wet Season: • Fresh water: 1,258 + 182 KLD, • Recycled water - Flushing: 723 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,170 KLD • Excess treated water: 1,276 KLD	Wet Season: • Fresh water: 1,305 + 182 KLD, • Recycled water - Flushing: 747 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,240 KLD • Excess treated water: 1,317 KLD
Quantity of storm water: 2,196.93 m3/hr	Quantity of storm water: 1,845.73 m3/hr
Size of SWD: 450 mm x 700 mm	450 x 450, 450 x 730, 450 x 650, 300 x 450, 450 x 580, 450 x 730, 450 x 530, 300 x 530, 450 x 610, 450 x 770 mm wide drain channels
Sewage generation in KLD: 2,019 KLD	Sewage generation in KLD: 2,085 KLD
Capacity of STP (CMD): 8 STP's of total 2,200 KLD capacity	Capacity of STP (CMD): 7 STP's of total 2,220 KLD capacity
Waste generation in the operation Phase: • Dry waste: 2170 kg/d • Wet waste: 3,255 kg/d	Waste generation in the operation Phase: • Dry waste: 3,315 kg/d • Wet waste: 4,973 kg/d
Budgetary allocation (Capital cost and O&M cost): Capital Cost: 132 Lakh & O&M Cost: 53 Lakh/y	Budgetary allocation (Capital cost and O&M cost): Capital Cost: 200 Lakh & O&M Cost: 80 Lakh/y
• Trees on site: 19 Nos. • Trees to be transplant: 12 Nos. • Tress to be retained: 07	• Trees on site: 15 Nos. • Trees to be transplant: 11 Nos. • Tress to be retained: 04
DG set as Power back-up during operation phase: Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA (Rehab)	DG set as Power back-up during operation phase: Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA + 1 x 400 kVA (Rehab)
Total energy saving: 22.7 %	Total energy saving: 23.65 %
Number of 4- Wheelers as approved by competent authority: Rehab: required - 82 Nos. & provided: 83 Nos. Sale: required - 1,247 Nos. & provided: 1,337 Nos.	Number of 4- Wheelers as approved by competent authority: Rehab: required - 87 Nos. & provided: 88 Nos., Sale: required - 1,247 Nos. & provided: 1,337 Nos.
	• Recycled water - Flushing: 723 KLD, • Swimming pool make up: 7 KLD, • Total Water Requirement: 2,170 KLD • Excess treated water: 1,276 KLD  Quantity of storm water: 2,196.93 m3/hr  Size of SWD: 450 mm x 700 mm  Sewage generation in KLD: 2,019 KLD  Capacity of STP (CMD): 8 STP's of total 2,200 KLD capacity  Waste generation in the operation Phase: • Dry waste: 2170 kg/d • Wet waste: 3,255 kg/d  Budgetary allocation (Capital cost and O&M cost): Capital Cost: 132 Lakh & O&M Cost: 53 Lakh/y  • Trees on site: 19 Nos. • Trees to be transplant: 12 Nos. • Tress to be retained: 07  DG set as Power back-up during operation phase: Total DG set Capacity: • 1 x 1010 kVA & 1 x 1250 kVA (Sale) • 3 x 750 kVA (Rehab)  Total energy saving: 22.7 %  Number of 4- Wheelers as approved by competent authority: Rehab: required - 82 Nos. & provided: 83 Nos. Sale: required - 1,247

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC



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

PP informed that the project under consideration is SRA project. The total plot area of the project is 30,100.30 Sq. mt. having total construction area 2,72,954.6 Sq. mt.(FSI - 1,34,811.12Sq.mt.+NON FSI-1,38,143.48 Sq. mt.). The building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Comp. Bldg No. 1	Ground + 7 Upper floors	23.80
Comp. Bldgs no. 2	(Wing A_	23.80
	Rehab) Ground + 7 Upper floors	
Comp. Bldgs no. 2	(Wing B_ Sale) Ground + 7 Upper floors	23.80
Comp. Bldgs no. 3	(Wing- A &B_Rehab) Ground + 21 Upper floors	64.40
Comp. Bldgs no. 3	(Wing- C & DRehab) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- E & FRehab) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- G Sale) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- H Sale) Ground + 23 Upper floors	69.90
Comp. Bldgs no. 3	(Wing- I Rehab) Ground + 23 Upper floors	69.90
Sale Building No.4 (Tower A) B	+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower B)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower C)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower D)	B+G+9P+ Amenity +38 Floor	153.35
Sale Building No.4 (Tower E)	B+G+9P+ Amenity +38 Floor	153.35
Rehab Building No. 5 (Wing- A &BRehab)	Ground + 23 Upper floors	69.90
		1

PP stated that, the initial sanction was obtained on **19.10.1996** under SRD scheme (2.5 FSI) which was subsequently revised on 09.05.2005 and revised LOI was obtained in 17.03.2006 and the said scheme was converted from SRD to SRA & clubbed with other two schemes known as Shiv Nagar Chs. Andheri (W) and Baptista Chs. Vileparie (W). PP further stated that, thereafter the scheme was revised due to conversion of carpet area from 20.90 to 25.00 m² and in this regard the revised LOI was obtained on 20.07.2009 with 4 FSI and revised LOI was again obtained from SRA dt. 16.09.2011 by clubbing two S. R. schemes i.e. Andheri Kamgar Nagar CHS (by shifting 107.PAP tenements) and Sitladevi CHS Ltd. (by transferring 11,900.00 m2 Sale component).

PP informed that, the LOI was again revised on 01.12.2012 by transferring 2856.22 m2 sale component from Shivshakti Nagar CHS to Andheri Kamgar Nagar CHS and shifting of 137 no. of PAP tenements and transferring of 12,500.00 m² sale BUA from Loknayak Nagar CHS Ltd. & Others Andheri (West) to Shishakti Nagar CHS Ltd. and again the LOI was revised on 06.04.2017 for change in carpet area of 244 transferred tenements from 20.9 to 25.00 m² to Shivshakti CHS Ltd.

PP stated that, Poisar river is abetting the project site and Runoff and Drain Carrying Capacity is as follow-

Details	m³/s
Runoff after development from plot	0.51
Carrying capacity of internal drain	3.13
Runoff contributing to Poisar River (part:20.0 m width) considering Kamla Nehru Road Nalla  Plot = 0.51 m3/s + Poisar River u/s catchment (part) = 186.04 m3/s + Kamla Nehru Road Nalla = 11.50 m3/s	198.05
Carrying capacity of Poisar River (part) considering Kamla Nehru Road Nalla	235.74
Runoff contributing to Poisar River (total: $30.0 \text{ m}$ width) considering Kamla Nehru Road Nalla  Plot = $0.51 \text{ m}^3/\text{s}$ + Poisar River u/s catchment (total) = $304.93 \text{ m}^3/\text{s}$ + Kamla Nehru Road Nalla = $11.50 \text{ m}^3/\text{s}$	316.94
Carrying capacity of Poisar River considering Kamla Nehru Road Nalla	369.69

PP further informed that, as on today they have constructed 18,385.97 m² area (FSI: 14,264.84 m²). PP stated that, the project previously considered in 84th SEAC-2 meeting held on 07/01/2019 & ToR

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 ents, synopsis of compliances, form 1, 1A,

resentation & plans submitted are taken on the From Mr. Surykant Nikam

(Secretary SEAC-II)

ersity and social aspects were discussed.

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nittee noted that the project is under 8a (B1) category of EIA Notification, 2006

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Consolidated state

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

#### **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:**

- 2) MCGM to ensure that SWD work will be in line with BRIMSTOWAD report as finalized from time to time and other specific guidelines issued by Irrigation/Water Resource department or Water Commission as regards constructions near Poisar river to avoid flooding/ water logging in the area.
- 3) PP to stick to the design of main storm water drain wherein invert level of internal storm water drains is above the high flood level of the stream.
- **4)** PP informed that they have applied for CFO NOC but same has still not been granted. The PP to upload CFO NOC as soon as granted and abide by it. PP agreed that he will provide 6 meter wide drive way with 9 meter turning radius all around buildings including building number 4 and will also provide fire hydrants on top of podium all around and separate staircase for access to fire hydrants on podium. CFO while granting NOC to ensure all fire proof arrangements **5)** PP agreed to club maximum possible distributed RG totalling total 8% RG on Mother Earth.
- 6) PP to ensure that, no nalla should be diverted or closed and also to facilitate maintenance & De-silting operation 3mt & 5mt clear access shall be maintain within the holding along the nalla & this access shall be free of any encumbrance.
  7) PP to ensure the maximum use of recycled water
- **8)** 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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(M. M. Adlani)
Shri M.M.Adtani (Chairman SEAC-II)

#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

**SEAC Meeting number:** 89 **Meeting Date** February 20, 2019

**Subject:** Environment Clearance for Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)

**Is a Violation Case:** No

1.Name of Project	Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)		
2.Type of institution	Private		
3.Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)		
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.		
5.Type of project	Residential and Commercial Development		
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 bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane		
9.Taluka	Kalyan		
10.Village	Shahad		
Correspondence Name:	Mr. Sachin Sinnarkar		
Room Number:	-		
Floor:	Level 8		
Building Name:	Birla Aurora		
Road/Street Name:	Dr. Annie Besant Road		
Locality:	Worli		
City:	Mumbai		
11.Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)		
	Layout Approval No. KDMC TP 1293 dated 31st May 2018		
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018		
	Approved Built-up Area: 154168		
13.Note on the initiated work (If applicable)	Not Applicable		
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018		
15.Total Plot Area (sq. m.)	85,220 sq. m.		
16.Deductions	Area not in possession: 2,095 sq. m. + Area under 30 m wide road: 4,763 sq. m.		
17.Net Plot area	78,362 sq. m.		
	a) FSI area (sq. m.): For owner: 45,955.79 sq. m. and for KDMC: 6000 sq. m.		
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 1,02,212.21 sq. m.		
	c) Total BUA area (sq. m.): 154168		
10.43	Approved FSI area (sq. m.): For owner: 45955.79 sq. m. and for KDMC: 6000 sq. m.		
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 102212.21 sq. m.		
	Date of Approval: 31-05-2018		
19.Total ground coverage (m2)	17,140 sq. m.		
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%		
21.Estimated cost of the project	3870000000		

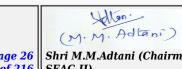


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(M. M. Adtani)

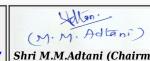
	22. Number of buildings & its configuration					
Serial number	Buildin	ıg Name & ı	number	Nu	umber of floors	Height of the building (Mtrs)
1	Res	idential Tow	er-A		5 Parking Floors + Stilt residential floors	89.4
2	Res	idential Towe	er-B		- 1 Parking Floor + 28 Il floors (with 1 shop at Stilt level)	89.4
3	Res	idential Tow	er-C		1 Parking Floors + 10 sidential floors	36.3
4	Res	idential Tow	er-D		1 Parking Floors + 10 sidential floors	36.3
5	Res	idential Tow	er-E		1 Parking Floors + 10 sidential floors	36.3
6	Res	idential Tow	er-F		- 1 Parking Floor + 28 esidential floors	89.4
7	Res	idential Tow	er-G		5 Parking Floors + Stilt residential floors	89.4
8		Podium Area		Ground +	6 Parking Floors + Stilt	18.6
9		Clubhouse		Gr	ound + 0 Floors	6.65
10	KDMC Non-Residential Building			Ground + 3	3 Floors and Ground + 0 Floors	18.2
23.Number		Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.				
	Number of ected residents / Total: 4195 (including occupants of residential buildings: 3268 + clubhouse: 327					268 + clubhouse : 327 + commercial
25.Tenant per hectar		300/Hectare	9		•	
26.Height building(s)						
station to	the road earest fire	Public acces	ss: 30 m wid	le DP road, F	Right of way: 18 m wide r	oad, Internal roads: 9 m wide roads
for easy ac fire tender movement around the	rning radius sy access of nder nent from all d the building ling the width					
29.Existing	P.Existing ructure (s) if any Not Applicable					
30.Details demolition disposal (I applicable	with f	Not Applica	ble			
			31.F	Product	tion Details	
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not ap	plicable	Not ap	plicable	Not applicable	Not applicable





		3	2.Tota	l Wate	r Requi	iremen	t			
Source of water				Kalyan Dombivali Municipal Corporation (KDMC)						
		Fresh wate	er (CMD):	327.3						
		Recycled w	vater -	170.25						
		Recycled w Gardening		165.376						
		Swimming make up (		3						
Dry seasor	1:	Total Wate Requireme		665.926						
		Fire fightin Undergrout tank(CMD)	nd water	500 m3/day residential		tial buildings	and 100 m3	day for KDM	MC non-	
		Fire fighting Overhead v tank(CMD)	water		n each wing residential b	of residentia ouilding	al buildings a	and 20 m3/da	ay for	
		Excess trea	ated water	105.95						
		Source of	water	Kalyan Don	nbivali Munio	cipal Corpora	ation (KDMC	2)		
		Fresh water	er (CMD):	327.3						
		Recycled w Flushing (		170.25						
		Recycled w Gardening		0						
		Swimming make up (		3						
Wet season	n:	Total Wate Requireme		500.55						
		Fire fighting - Underground water tank(CMD):		500 m3/day for residential buildings and 100 m3/day for KDMC non-residential building						
		Fire fighting Overhead tank(CMD)	water	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building						
	Excess treated water			271.33						
Details of pool (If an	s of Swimming Swimming pool size is proposed to be swimming pool will be sufficed from to					Fresh water	requirement	for		
33.Details			s of Tota	l water o	consume	d				
Particula rs	Consumption (CMD)		CMD)		Loss (CMD)	)	Ef	ffluent (CM	D)	
Water Require ment	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	





Harvesting (RWH)    Size of recharge pits   Size of section   Size of se			1
Size and no of RWH tank(s) and quantity:			Below 6 m
Tank(s):   Entow ground reveal   Capacity of recharge pits   Size of size 3 m X 3 m X 4 m deep   Size of recharge pits   Size of m X 3 m X 4 m deep   Size of m Capital cost)   Rs. 35,000 per pit   Size of m Capital cost)   Size of m Capital cost)   Size of m X 3 m X 4 m deep for Building-A & B   No. of size 5 m X 5 m X 4 m deep for Building-C D & E   No. of No.		tank(s) and	m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size $3.5$ m X $3.5$ m X 4 m deep for Building-F & G, 1 No. each of size $3$ m X $3$ m X $4$ m deep for KDMC Non-Residential Building and Clubhouse, 1 No. of size $3$ m X
Dits:   Dits			Below ground level
Size of recharge pits   All recharge pits of size 3 m X 3 m X 4 m deep	34.Rain Water		
Capital cost):   Budgetary allocation (0 & M cost):   Rs. 35,000 per pit	_	Size of recharge pits :	All recharge pits of size 3 m X 3 m X 4 m deep
Co & M cost   1			Rs. 3,50,000 per pit
Details of UGT tanks   1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. each of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for EMMC Non-Residential Building and Clubhouse    Details of UGT tanks   1 No. of size 5 m X 5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for EMMC Non-Residential Building and Clubhouse    Details of UGT tanks   1 No. of size 5 m X 5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 4 m X 130 m M deep for Building S 1 No. each of size 4 m X 120 m M x 120			Rs. 35,000 per pit
Sewage and Waste water   Size of SWD:   Sewage generation in KLD:   STP technology:   MBBR   Separation of the STP:   Sudgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Budgetary allocation and Construction and Construction phase:   Disposal of the construction and Construction phase:   Disposal of the construction in the operation Phase:   Disposal of the special cost of the			1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential
Sewage and Waste water   Size of SWD:   Sewage generation in KLD:   STP technology:   MBBR   Separation of the STP:   Sudgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Budgetary allocation and Construction and Construction phase:   Disposal of the construction and Construction phase:   Disposal of the construction in the operation Phase:   Disposal of the special cost of the			
Size of SWD:   Storm water drainage   Size of SWD:   Storm water drain as per maximum rainian.			Natural drainage pattern will be maintained.
Sewage and Waste water  Sewage generation in KLD:  Sudgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  Sewage generation in the Pre Construction phase:  Budgetary allocation (O & M cost):  Waste generation in the Pre Construction phase:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  STP Sludge (Dry sludge):  Style (Dotes if any:  Not Applicable  Not Applicable	35.Storm water		Will be designed as per maximum rainfall.
Sewage and Waste water  Capacity of STP (CMD):  Location & area of the STP:  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  All excavated earth of shall be used for backfilling on site.  Waste generation in the Pre Construction and Construction phase:  Waste generation in the operation Phase:  Waste generation in the operation Phase:  Not Applicable):  STP technology:  MBBR  490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings and 50 sq. m. for KDMC Non-Residential Building  Rs. 71.25 Lakhs  Rs. 71.25 Lakhs  All excavated earth of shall be used for backfilling on site.  Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.  Biomedical waste:  Hazardous waste:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable	drainage	Size of SWD:	X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm
Sewage and Waste water  Capacity of STP (CMD):  Location & area of the STP:  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  All excavated earth of shall be used for backfilling on site.  Waste generation in the Pre Construction and Construction phase:  Waste generation in the operation Phase:  Waste generation in the operation Phase:  Not Applicable):  STP technology:  MBBR  490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings and 50 sq. m. for KDMC Non-Residential Building  Rs. 71.25 Lakhs  Rs. 71.25 Lakhs  All excavated earth of shall be used for backfilling on site.  Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.  Biomedical waste:  Hazardous waste:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable			
Sewage and Waste water    Capacity of STP (CMD):   490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings			464.82
Sewage and Waste water    Combination & area of the STP:   Location & area of the STP:   Location & Below ground level, Area : 375 sq. m. for Residential Building and 50 sq. m. for KDMC Non-Residential Building		STP technology:	MBBR
Waste water    Location & area of the STP:   Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building And State Sq. m. for KDMC Non-Residential Building And State Sq. m. for KDMC Non-Residential Building And Sq. for KDMC Non-Residential Building And Sq	Sowage and		
Rs. 71.25 Lakins	0		
Waste generation in the operation Phase:    Waste generation in the operation Phase:    Waste generation in the operation in the operation in the operation Phase:    Waste generation in the operation in the operation in the operation Phase:   STP Sludge (Dry sludge):   STP Sludge (Dry sludge):   Others if any:   Not Applicable			Rs. 71.25 Lakhs
Waste generation in the Pre Construction and Construction phase:    Disposal of the construction waste debris:   Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.	G <sub>y</sub>		Rs. 7.2 Lakhs/year
the Pre Construction and Construction phase:  Disposal of the construction waste debris:  Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.  Pry waste:  Wet waste:  Hazardous waste:  Waste / Spent Oil from DG Set & Transformers  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable		36.Soli	d waste Management
Waste generation in the operation Phase:Disposal of the construction waste debris:Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.Waste generation Phase:Dry waste:800 kg/dayWet waste:1100 kg/dayHazardous waste:Waste / Spent Oil from DG Set & TransformersBiomedical waste (If applicable):Not ApplicableSTP Sludge (Dry sludge):50 kg/dayOthers if any:Not Applicable	Waste generation in	Waste generation:	All excavated earth of shall be used for backfilling on site.
Waste generation in the operation Phase:    Websize	the Pre Construction and Construction	Disposal of the construction waste	Debris generated during construction phase will be collected at one
Waste generation in the operation Phase:  Hazardous waste: Waste / Spent Oil from DG Set & Transformers  Not Applicable  STP Sludge (Dry sludge): 50 kg/day  Others if any: Not Applicable	Wasto ganoration	Dry waste:	800 kg/day
Waste generation in the operation Phase:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable  50 kg/day  Not Applicable		Wet waste:	1100 kg/day
in the operation Phase:    Biomedical waste (If applicable):   Not Applicable		Hazardous waste:	Waste / Spent Oil from DG Set & Transformers
STP Sludge (Dry sludge):  50 kg/day  Others if any:  Not Applicable	in the operation		Not Applicable
	114001		50 kg/day
(Secretary SEAC-II) 20, 2019 0j 210   SEAC-II)		Others if any:	
	(Secretary SEAC-11)		20, 2019 0J 210 SEAC-II)

		Dry waste:		Segregation	n and sale of	recyclables.	inerts to ap	proved landfill site.	
Wet waste: Hazardous v  Mode of Disposal Biomedical v			0 0	aste Compost	-	more to ap			
				Used oil from DG sets to be sold to authorized oil waste recycler.					
		Riomodical wasto (If			Not Applicable				
		STP Sludg sludge):	e (Dry	To be mixed	d with wet w	aste after pr	oper drying	for treatment in OWC.	
		Others if a	ny:	Not Applica	able				
		Location(s	s):	Ground leve	el				
Area requirem	ent:	Area for the of waste & material:		800 sq. ft.					
		Area for m	achinery:	120 sq. ft. f Residential		al buildings a	and 30 sq. ft	for KDMC Non-	
Budgetary (Capital co	allocation	Capital cos	st:	Rs. 16 Lakh Residential		ntial building	gs and Rs. 5.	5 Lakhs for KDMC Non-	
O&M cost)		O & M cos	t:	Rs. 8 Lakhs/annum for Residential buildings and Rs. 3 Lakhs for k Non-Residential buildings					
			37.Ef	fluent Cl	harecter	estics			
Serial Number	Paran	neters	Unit		affluent terestics		Effluent erestics	Effluent discharge standards (MPCB)	
1	1 Not applicable Not applicable			Not applicable Not applicable Not applicable					
Amount of e	effluent gene	eration	Not applica	plicable					
Capacity of	the ETP:		Not applica	plicable					
Amount of t recycled:	reated efflue	ent	Not applica	cable					
Amount of v	water send to	o the CETP:	Not applica	licable					
Membershi	p of CETP (if	require):	Not applica	ble					
Note on ET	P technology	to be used	Not applica	cable					
Disposal of	the ETP sluc	lge	Not applica	able					
			38.На	zardous	Waste D	etails			
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal	
1	Used / Spent Oil		5.1	KL/annum	Nil	As & when generated	As & when generated	To be sold to authorized oil waste recyclers	
	5		39.St	tacks em	ission Do	etails			
Serial Number	Soction At linite			sed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	capacity 63 for Res Buildings a 315 kVA t Non-Res	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)		SD	3	6	0.20	518 deg.C	



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			40.De	tails of I	Fuel t	o be used		
Serial Number	Тур	Type of Fuel		Existing		Proposed		Total
1		HSD	1	Not applicabl	le	As per requirem	ent	As per requirement
41.Source o	f Fuel		Not a	pplicable	•			
42.Mode of	Transportat	ion of fuel to	site Not a	pplicable				
			·					
		Total RG a	rea :	For resident building: 7			. m. and for	KDMC Non-Residential
		No of trees to be cut :		301 nos. of trees will be affected				
43.Gree		Number of trees to be planted :		850				
Develop	ment	List of proposed native trees :		Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata				
		Timeline for completion plantation	ne for etion of 4 ye		4 years from commencement of construction			
44.Number and list of trees species to be planted in the ground							ground	
Serial Number	Name of	f the plant Commo		n Name		Quantity	Charact	eristics & ecological importance
1	Azadirac	chta indica Ne		em	As per	r landscape plan	Everg	reen, quick growing
2	Barrington	ia racemosa Ne		var	As per	r landscape plan	Everg	reen, quick growing
3	Dalbero			isav	As per	r landscape plan	Evera	reen, quick growing

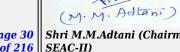
	1	Azadirachta indica	Azadirachta indica Neem		Evergreen, quick growing
	2	Barringtonia racemosa	Nevar	As per landscape plan	Evergreen, quick growing
	3	Dalbergia sisoo	Shisav	As per landscape plan	Evergreen, quick growing
	4	Lagerstroemia speciosa	Queen Crape Myrtle	As per landscape plan	Evergreen, quick growing
	5	Millingtonia hortensis	Indian Corck	As per landscape plan	Evergreen, quick growing
	6	Minusops elengii	Bakuli	As per landscape plan	Evergreen, quick growing
Ī	7	Polyalthia longifolia	Ashok	As per landscape plan	Evergreen, quick growing
	8	Spathodea campanulata	Indian Tulip Tree	As per landscape plan	Evergreen, quick growing
	45	5.Total quantity of plan	ts on ground		

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

Serial Number	Name	C/C Distance	Area m2
1	As per landscape plan	As per landscape plan	As per landscape plan

47.Energy





Sollan!

	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	190 kVA
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW
Power requirement:	During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW
	Transformer:	Dry type transformer : 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building
	DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	66 kV Railway Feeder Line. Minimum distance of 10 m has been maintained between the habitable structures and the HT line.

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

- Use of solar energy for common area lighting and landscape lighting
- Use of energy efficient pumps and motors
- Use of transformers with load and no load losses as compliant with ECBC
- Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting
- Use of timer-based automatic on-off controls for common area lighting
- Energy conservation measures based on ECBC

49.Detail	calculations	& % of	saving:

Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%

#### **50.** Details of pollution control Systems

Source	Existing pollution control system			Proposed to be installed
Waste water	C	Not applicable		STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste		Not applicable		Organic Waste Composter (OWC) for on-site treatment of wet waste
Budgetary allocation Capital cost: Rs 11			Rs 110 Lakhs for	solar hot water system and solar street lighting

Budgetary allocation (Capital cost and	Capital cost:	Rs. 110 Lakhs for solar hot water system and solar street lighting
	O & M cost:	Rs. 10 Lakhs for solar hot water system and solar street lighting

# 51. Environmental Management plan Budgetary Allocation

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

Serial Number Attributes Parameter Total Cost per annum (Rs. In Lacs)

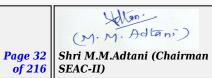


SEAC Meeting No: 89 Meeting Date: February 20, 2019

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

1		of sanitation for labours  Provision toilets, I drinking		potable	1			3			
2	Provision of health and safety facilities for labours		Medical tes	sts, traini afety	ing	3					
3	_	ents for first id	First	aid kit		0.75					
4	Monitoring of environmental parameters		noise ar	ng of air, nd water ality	,	2.80					
		b	) Operat	ion Ph	ase (wi	th Breal	k-up)	):			
Serial Number Component			Descr	ription	Capi	Capital cost Rs. In Lacs			Operational and Maintenance cost (Rs. in Lacs/yr)		
1		ewage Treatment Total capaci Plant (STP) cm			90	71.25		7.2			
2		waste gement	OWC			21.5			11		
3	Rainwater	harvesting		RWH tanks & recharge pits		179.5			12.95		
4	Energy saving features (including solar energy)			ater syst ar street ting	em	110		10			
5	5 Firefighting measures		Firefighti (alarm, ex et			1700			17		
51.S	torage	of che	micals	(infl	amabl	e/expl	osiv	e/haz	zardou	s/toxic	
				subs	stance	es)					
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 applica	Not applicable app		Not applicable Not applicable		pplicable	Not applicable	Not applicable		
			52.A	ny Otl	her Info	rmation	1				
No Informa	tion Availab	le									
	CY			Traffic	c Manag	gement					
Nos. of the to the mai design of confluence			n road &	The proposed project site is along Kalyan-Shahad Road and accessible from the same.							





	Number and a	area of	0				
	basement: Number and area of podia:		Podium (Ground + 6 Parking floors + Stilt) with built-up area of				
	Total Parking area:		75,663.29 sq. m.  78,000 sq. m. including parking in podium area + open car parking				
	5		13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers				
	Area per car: Area per car:		13.75 sq. m. for 4-wheelers and 3 sq. m. for 2-wheelers  13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers				
Parking details:	Number of 2- Wheelers as approved by competent authority:		2954				
	Number of 4- Wheelers as approved by competent authority:		1291				
	Public Transport:		Not Applicable				
	Width of all In roads (m):	nternal	9 m				
	CRZ/ RRZ clearance obtain, if any:		Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under "Transport Nagar' reservation. Out of the total CRZ-III affected area under "Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under "Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / gree				
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries  Category as per schedule of EIA Notification sheet  Court cases pending if any Other Relevant Informations		Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North-West  8(b) Category B				
			No. Not Applicable				
			No				
Have you previou submitted Application onlin on MOEF Website		nline	No				
Date of online submission		9	-				
	7	TOR S	Suggested Chang	jes			
Consolidated Stateme Number			Original Remarks	Submitted Changes			
Subject:	de 15 Shal	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village ahad, Taluka Kalyan, District Thane by M/s. irla Estates (A Division of Century Textiles and Industries Limited)		Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)			

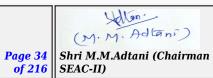


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Name of Project	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)		
Type of institution	Private	Private		
Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)	Birla Estates (A Division of Century Textiles and Industries Limited)		
Name of Consultant	Aditya Environmental Services Pvt. Ltd.	Aditya Environmental Services Pvt. Ltd.		
Type of project	Residential and Commercial	Residential and Commercial		
New project/expansion in existing project/modernization/diversification in existing project	New Project	New Project		
If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable	Not applicable		
Location of the project	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane		
Taluka	Kalyan	Kalyan		
Village	Shahad	Shahad		
Correspondence Name	Mr. Sachin Sinnarkar	Mr. Sachin Sinnarkar		
Room Number	-			
Floor	Level 8	Level 8		
Building Name	Birla Aurora	Birla Aurora		
Road/Street Name	Dr. Annie Besant Road	Dr. Annie Besant Road		
Locality	Worli	Worli		
City	Mumbai	Mumbai		
Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)		
IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018, Approved Built-up Area: 1,54,168.00 sq. m	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018; Approved Built-up Area: 1,54,168.00 sq. m		
Note on the initiated work (If applicable)	Not applicable	Not applicable		
LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018	Layout Approval No. KDMC TP 1293 dated 31st May 2018		
Total Plot Area (sq. m.)	85,220 sq. m	85,220 sq. m		
Deductions	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m		
Net Plot area	78,362 sq. m	78,362 sq. m		
Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): For owner : 45,955.79 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,212.21sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m	FSI area (sq. m.): For owner : 45,980.33 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,187. 67 sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m		
Total ground coverage (m2)	17,140 sq. m	17,140 sq. m		
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%	22%		
Estimated cost of the project	Rs. 387 Crores	Rs. 387 Crores		
		-		







Number of buildings & its configuration	Residential Tower-A:Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B: Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-D: Stilt + 1 Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-F: Stilt + 1 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium area: Ground + 6 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors, KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors	Residential Tower-A:Stilt + 5 Parking Poiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B: Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium Area: Ground + 5 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors, KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors		
Number of tenants and shops	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m		
Number of expected residents / users	Total: 4195 (including occupants of residential buildings: 3268 + clubhouse: 327 + commercial building: 600 + visitors: 387)	Total: 4290 (including occupants of residential buildings: 3410 + clubhouse: 00 ( As Clubhouse is part of Residential) + commercial building: 800 + visitors: 80		
Tenant density per hectare	300/Hectare	300/Hectare		
Height of the building(s)	6.65 m - 89.4 m	6.65 m - 89.4 m		
Right of way (Width of the road from the nearest fire station to the proposed building(s)	Public access: 30 m wide DP road, Right of way: 18 m wide road, Internal roads: 9 m wide roads	Public access: 30 m wide DP road Right of way: 18 m wide road Internal roads: 9 m		
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	4.738 m (internal turning radius on podium)	4.738 m (internal turning radius on podium)		
Existing structure (s) if any	Not applicable	Not applicable		
Details of the demolition with disposal (If applicable)	Not applicable	Not applicable		
Production Details	Not applicable	Not applicable		
Total Water Requirement	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)		
Fresh water (CMD)	327.3	327cmd		
Recycled water - Flushing (CMD) :	170.25	171 cmd		
Recycled water - Gardening (CMD)	165.376	323 cmd		
Swimming pool make up (Cum)	3	3 cmd		
Total Water Requirement (CMD)	665.926	824 cmd		
Fire fighting - Underground water tank (CMD)	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building		
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building		
Excess treated water	105.95	0 cmd		
Source of water	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)		
Fresh water (CMD)	327.3	327 cmd		
Recycled water - Flushing (CMD)	170.25	171 cmd		
Recycled water - Gardening (CMD)	0	0 cmd		





Swimming pool make up (Cum):	3	3 cmd			
Total Water Requirement (CMD):	500.55	501 cmd			
Fire fighting - Underground water tank (CMD) :	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building			
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building			
Excess treated water	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	258 cmd			
Details of Swimming pool (If any)	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.			
Details of Total water consumed	NA	NA NA			
Level of the Ground water table:	Below 6 m	Below 6 m			
Rain Water Harvesting (RWH) Size and no of RWH tank(s) and Quantity	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B, 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G, 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse,1 No. of size 3 m X 2.5 m X 3 m	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E:1 No. of size 5 m X 5 m X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building:1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed: 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep			
Location of the RWH tank(s):	Below ground level	Below ground level			
Quantity of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	Residential buildings: 17 Nos. KDMC Non- Residential building: 4 Nos.			
Size of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	All recharge pits of size 3 m X 3 m X 4 m deep			
$Budgetary\ allocation\ (Capital\ cost):$	Rs. 3,50,000 per pit	Rs. 112 lacs			
Budgetary allocation (O & M cost) :	Rs. 35,000 per pit	Rs. 2.24 lacs			
Details of UGT tanks if any :	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E:1 No. of size 5 m X 5 n X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building:1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed: 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep			
Storm water drainage Natural water drainage pattern:	Natural drainage pattern will be maintained.	Natural drainage pattern will be maintained.			
Quantity of storm water:	Will be designed as per maximum rainfall	Will be designed as per maximum rainfall			
Size of SWD:	Storm water drain channels of following sizes will be provided: 750 mm X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm deep, 600 mm X 1270 mm deep	Storm water drain channels of following sizes will be provided: 1.750 mm X 960 mm deep, 2.600 mm X 1060 mm deep, 3.450 mm X 960 mm deep, 4.450 mm X 770 mm deep, 5.600 mm X 910 mm deep,			
Sewage and Waste water, Sewage generation in KLD	464.82	464 KLD			
STP technology:	MBBR	MBBR			
	490 cmd (1 STP of 450 cmd capacity for	485 cmd (1 STP of 445 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)			
Capacity of STP (CMD):	Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)				
Capacity of STP (CMD):  Location & area of the STP:					
	capacity for KDMC Non-Residential building)  Location: Below ground level, Area: 375 sq. m. for Residential Buildings and 50 sq. m. for	capacity for KDMC Non-Residential building)  Location: Below ground level, Area: 375 sq. m. for Residential Buildings and 50 sq. m. for			



Solid waste Management, Waste generation in the Pre Construction and Construction phase: Waste generation:	All excavated earth of shall be used for backfilling on site.	All excavated earth of shall be used for backfilling on site.
Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.
Waste generation in the operation Phase Dry waste:	800 kg/day	1030kg/day for Residential + 106 kg/day for KDMC - Total : 1136 kg/day
Wet waste:	1100 kg/day	687 kg/day for Residential + 70 kg/day for KDMC- Total : 757 kg/day
Hazardous waste:	Waste / Spent Oil from DG Set & Transformers	Waste / Spent Oil from DG Set & Transformers
Biomedical waste (If applicable):	Not Applicable	0 kg/day
STP Sludge (Dry sludge):	50 kg/day	35 kg/day
Others if any:	Not Applicable	E Waste : 2145 kg/yr for Residential + 880 kg/yr for KDMC
Mode of Disposal of waste: Dry waste	Segregation and sale of recyclables, inerts to approved landfill site	Segregation and sale of recyclables, inerts to approved landfill site
Wet waste	Organic Waste Composter (OWC)	Organic Waste Composter (OWC)
Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler	Used oil from DG sets to be sold to authorized oil waste recycler
Biomedical waste (If applicable):	Not applicable	Not applicable
STP Sludge (Dry sludge):	To be mixed with wet waste after proper drying for treatment in OWC	To be mixed with wet waste after proper drying for treatment in OWC
Others if any:	Not applicable	Not applicable
Area requirement: Location(s):	Ground level	Ground level
Area for the storage of waste & other material:	800 sq. ft.	800 sq. ft.
Area for machinery	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings
Budgetary allocation (Capital cost and O&M cost):	Rs. 16 Lakhs for Residential buildings and Rs. 5.5 Lakhs for KDMC Non- Residential buildings	Capital cost: Rs. 26 Lakhs , O & M cost: Rs. 1.3 Lakhs/annum
Effluent Characteristics	Not applicable	Not applicable
Amount of effluent generation (CMD):	Not applicable	Not applicable
Capacity of the ETP:	Not applicable	Not applicable
Amount of treated effluent recycled:	Not applicable	Not applicable
Amount of water send to the CETP:	Not applicable	Not applicable
Membership of CETP (if require):	Not applicable	Not applicable
Note on ETP technology to be used	Not applicable	Not applicable
Disposal of the ETP sludge	Not applicable	Not applicable
Hazardous Waste Details	Used / spent oil: To be sold to authorized oil waste recyclers	Used / spent oil: To be sold to authorized oil waste recyclers
Stacks emission Details	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)
Details of Fuel to be used	HSD	HSD
Green Belt Development	For residential buildings: 31,858 sq. m. and for KDMC Non-Residential building: 7,972 sq. m., No of trees to be cut: 301 nos. of trees will be affected, 301 nos. of trees will be affected: 850, List of proposed native trees: Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata	Total RG area : For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m, No of trees to be cut:: 135 nos., Number of trees to be planted : 675 nos., List of proposed native trees : Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata



Timeline for completion of plantation :	4 years from commencement of construction	4 years from commencement of construction
Number and list of trees species to be planted in the ground	attached as annexure	attached as annexure
Total quantity of plants on ground	1799 nos.	1799 nos.
Number and list of shrubs and bushes species to be planted in the podium RG	As per landscape plan	As per landscape plan
Source of power supply	MSEDCL	MSEDCL
During Construction Phase: (Demand Load)	190 kVA	190 kVA
Power requirement DG set as Power back-up during construction phase	Not applicable	Not applicable
During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW	For Residential buildings : 4,741 kW For KDMC Non-Residential building : 1015 kW
During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW	For Residential buildings : 2,353 kW For KDMC Non-Residential building : 576 kW
Transformer:	Dry type transformer: 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building	Dry type transformer: 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 1000 kVA for KDMC Non-Residential building
DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.	DG set as Power back-up during operation phase:
Fuel used:	HSD	HSD
Energy saving by non-conventional method:	Use of solar energy for common area lighting and landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses as compliant with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based automatic on-off controls for common area lighting - Energy conservation measures based on ECBC	Energy savings measures: - Use of Solar energy for street & landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses in compliance with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based/sensor based on-off controls for common area lighting - Solar hot water (for one toilet of each apartment)
Detail calculations & % of saving:	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%	19%
Details of pollution control Systems Details of pollution control Systems	STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building),	STP of total capacity 485 cmd (1 STP of 445cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste	Organic Waste Composter (OWC) for on-site treatment of wet waste	Organic Waste Composter (OWC) for on-site treatment of wet waste
Organic Waste Composter (OWC) for on-site treatment of wet waste Capital cost:	Rs. 21 Lacs	Rs. 151 Lacs
O & M cost:	Rs.11 Lacs	Rs. 7.8 Lacs
Environmental Management plan Budgetary Allocation Waste management	3 LACS	0.20 LACS
Toilets for labour + drinking water + first aid arrangement	3.75 LACS	0.70 LACS
Operation Phase (with Break-up) :Sewage Treatment Plant (STP)	71.25	125.00 LACS
Solid waste management	21.5	26.00 LACS
Rainwater harvesting	179.5	112.00 LACS
Energy saving features (including solar energy)	110	110.00 LACS



Environmental Monitoring Cell	-	7.35 LACS
Green belt development	-	Green belt development
Fire Fighting	1700	1242.00
Storage of chemicals (inflamable/explosive/hazardous/toxic substances)	Not Applicable	Not Applicable
Any Other Information	Not Applicable	Not Applicable
Traffic Management Nos. of the junction to the main road & design of confluence:	The proposed project site is along Kalyan- Shahad Road and accessible from the same.	The proposed project site is along Kalyan- Shahad Road and accessible from the same.
Parking details: Number and area of basement:	0	0
Number and area of podia	Podium (Ground + 6 Parking floors + Stilt) with built-up area of 75,663.29 sq. m.	Podium (Ground + 5 Parking floors + Stilt) with built-up area of 62,551.87 sq. m.
Total Parking area:	78,000 sq. m. including parking in podium area + open car parking	65,000 sq. m. including parking in podium area + open car parking
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	3 sq. m. for 2-Wheelers
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	13.75 sq. m. for 4-Wheelers
Number of 2-Wheelers as approved by competent authority:	2954	2954
Number of 4-Wheelers as approved by competent authority:	1291	1291
Public Transport:	Not applicable	Not applicable
Width of all Internal roads (m):	9 m	9 m
CRZ/ RRZ clearance obtain, if any:	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under "Transport Nagar' reservation. Out of the total CRZ-III affected area under "Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under "Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.
Distance from Protected Areas / Critically Polluted areas / Eco- sensitive areas/ inter-State boundaries	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North- West	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North- West
Category as per schedule of EIA Notification sheet	8(b) Category B	8(b) Category B
Court cases pending if any	Not applicable	Not applicable
Other Relevant Informations	No	No
Have you previously submitted Application online on MOEF Website	No	No
Date of online submission	-	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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Sollan!

Representative of PP was present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

PP informed that, the project under consideration is *Residential development cum Commercial development Project*. Committee noted that, the project previously considered in 85th SEAC-2 meeting held on 18/01/2019 & was deferred with important observation that to submit CRZ NoC, detail storm water drain calculations & detail plan for Plantation programme. PP submitted the compliance for the same.

PP stated that, the total plot area of the project is 85,220Sq.mt with total construction area of 15,41,68 Sq.mt. (FSI-For owner: 45,955.79 sq. m. and for KDMC: 6000Sq.mt + NON FSI- 1,02,212.21Sq.mt.). And the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Tower-A	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Residential Tower-B	Ground + 1 Parking Floor + 28 residential floors (with 1 shop atStilt level)	89.4
Residential Tower-C	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-D	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-E	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-F	Ground + 1 Parking Floor + 28 residential floors	89.4
Residential Tower-G	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Podium Area	Ground + 6 Parking Floors + Stilt	18.6
Clubhouse	Ground + 0 Floors	6.65
KDMC Non-Residential Building	Ground + 3 Floors and Ground + 0Floors	18.2

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record. It is also noted that CFO NOC stipulate ramp slope as 1:10 but for

## **DECISION OF SEAC**



Sollan.

## 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 informed that he has not proposed any construction in CRZ and prohibited area and undertook that he will not undertake any construction therein without MCZMA's clearance. PP was directed not to undertake any construction in CRZ prohibited area without specific clearance from MCZMA

2) PP to design slope of ramp to 1:12

### FINAL RECOMMENDATION

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

Mr. Surykant Nikam (Secretary SEAC-II)

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

(M.M. Adtani)

## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

**SEAC Meeting number:** 89 **Meeting Date** February 20, 2019

**Subject:** Environment Clearance for Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)

**Is a Violation Case:** No

is a violation case; No			
1.Name of Project	Proposed project on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)		
2.Type of institution	Private		
3.Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)		
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.		
5.Type of project	Residential and Commercial Development		
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 bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane		
9.Taluka	Kalyan		
10.Village	Shahad		
Correspondence Name:	Mr. Sachin Sinnarkar		
Room Number:	-		
Floor:	Level 8		
<b>Building Name:</b>	Birla Aurora		
Road/Street Name:	Dr. Annie Besant Road		
Locality:	Worli		
City:	Mumbai		
11.Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)		
	Layout Approval No. KDMC TP 1293 dated 31st May 2018		
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018		
	Approved Built-up Area: 154168		
13.Note on the initiated work (If applicable)	Not Applicable		
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018		
15.Total Plot Area (sq. m.)	85,220 sq. m.		
16.Deductions	Area not in possession: 2,095 sq. m. + Area under 30 m wide road: 4,763 sq. m.		
17.Net Plot area	78,362 sq. m.		
10 (a) Barrara I B. The and Array (FOI C	a) FSI area (sq. m.): For owner: 45,955.79 sq. m. and for KDMC: 6000 sq. m.		
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 1,02,212.21 sq. m.		
	c) Total BUA area (sq. m.): 154168		
40.40.4	Approved FSI area (sq. m.): For owner: 45955.79 sq. m. and for KDMC: 6000 sq. m.		
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 102212.21 sq. m.		
	Date of Approval: 31-05-2018		
19.Total ground coverage (m2)	17,140 sq. m.		
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%		
21.Estimated cost of the project	3870000000		



SEAC Meeting No: 89 Meeting Date: February 20, 2019

(M. M. Adtani)

	2	2.Num	ber of l	buildin	gs & its confi	guration	
Serial number	Buildin	ng Name & 1	number	Nu	mber of floors	Height of the building (Mtrs)	
1	Res	idential Tow	er-A		5 Parking Floors + Stilt residential floors	89.4	
2	Res	idential Tow	er-B		- 1 Parking Floor + 28 l floors (with 1 shop at Stilt level)	89.4	
3	Res	idential Tow	er-C		1 Parking Floors + 10 sidential floors	36.3	
4	Res	idential Tow	er-D	Ground + re	1 Parking Floors + 10 sidential floors	36.3	
5	Res	idential Tow	er-E		1 Parking Floors + 10 sidential floors	36.3	
6	Res	idential Tow	er-F		- 1 Parking Floor + 28 sidential floors	89.4	
7	Res	idential Tow	er-G		5 Parking Floors + Stilt residential floors	89.4	
8		Podium Area		Ground +	6 Parking Floors + Stilt	18.6	
9		Clubhouse		Gr	ound + 0 Floors	6.65	
10	KDMC Non-Residential Building			Ground + 3	B Floors and Ground + 0 Floors	18.2	
23.Number tenants an		Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.					
	24.Number of expected residents / users  Total: 4195 (including occupants of residential buildings: 3268 + clubhouse: 327 + combuilding: 600 + visitors: 387)					268 + clubhouse : 327 + commercial	
25.Tenant per hectar		300/Hectar	Э	<b>(</b> )	<b>&gt;</b>		
26.Height building(s							
27.Right o (Width of the from the nation to proposed l	the road earest fire	Public acces	ss: 30 m wid	le DP road, F	tight of way: 18 m wide r	oad, Internal roads: 9 m wide roads	
for easy ac fire tender movement around the excluding	B.Turning radius or easy access of re tender covement from all round the building scluding the width or the plantation						
29.Existing		if any Not Applicable					
30.Details of the demolition with disposal (If applicable)  Not Applicable							
			31.F	Product	ion Details		
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)	
1	Not applicable Not applicable Not applicable		Not applicable				



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	32.Total Water Requirement									
		Source of	water	Kalyan Dombivali Municipal Corporation (KDMC)						
		Fresh wate	er (CMD):	327.3			`	<u>,                                      </u>		
		Recycled w	vater -	170.25						
		Recycled w Gardening		165.376						
		Swimming make up (		3						
Dry seasor	1:	Total Wate Requireme		665.926						
		Fire fightin Undergrout tank(CMD)	nd water	500 m3/day residential		tial buildings	and 100 m3	day for KDM	MC non-	
		Fire fighting Overhead v tank(CMD)	water		n each wing residential b	of residentia ouilding	al buildings a	and 20 m3/da	ay for	
		Excess trea	ated water	105.95						
Source of water			Kalyan Don	nbivali Munio	cipal Corpora	ation (KDMC	2)			
		Fresh water	er (CMD):	327.3						
		Recycled w Flushing (		170.25						
		Recycled w Gardening		0						
		Swimming make up (		3						
Wet season	n:	Total Wate Requireme		500.55	<b>y</b>					
		Fire fighting Undergroutank(CMD)	nd water	500 m3/day residential		tial buildings	and 100 m3	day for KDN	MC non-	
		Fire fighting Overhead tank(CMD)	water	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building						
		Excess trea	ated water	271.33						
Details of pool (If an	Swimming y)			roposed to b sufficed from		m X 1.2 m. ler supply.	Fresh water	requirement	for	
	C	3	3.Detail	s of Tota	l water o	consume	d			
Particula rs	Cons	sumption (C	CMD)		Loss (CMD)	)	Ef	ffluent (CM	D)	
Water Require ment	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	





Harvesting (RWH)    Size of recharge pits   Size of section   Size of se			1	
Size and no of RWH tank(s) and quantity:			Below 6 m	
Tank(s):   Entow ground reveal   Capacity of recharge pits   Size of size 3 m X 3 m X 4 m deep   Size of recharge pits   Size of m X 3 m X 4 m deep   Size of m Capital cost)   Rs. 35,000 per pit   Size of m Capital cost)   Size of m Capital cost)   Size of m X 3 m X 4 m deep for Building-A & B   No. of size 5 m X 5 m X 4 m deep for Building-C D & E   No. of No.		tank(s) and	m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size $3.5$ m X $3.5$ m X 4 m deep for Building-F & G, 1 No. each of size $3$ m X $3$ m X $4$ m deep for KDMC Non-Residential Building and Clubhouse, 1 No. of size $3$ m X	
Dits:   Dits			Below ground level	
Size of recharge pits   All recharge pits of size 3 m X 3 m X 4 m deep	34.Rain Water			
Capital cost):   Budgetary allocation (0 & M cost):   Rs. 35,000 per pit	_	Size of recharge pits :	All recharge pits of size 3 m X 3 m X 4 m deep	
Co & M cost   1			Rs. 3,50,000 per pit	
Details of UGT tanks   1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. each of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for EMMC Non-Residential Building and Clubhouse    Details of UGT tanks   1 No. of size 5 m X 5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for EMMC Non-Residential Building and Clubhouse    Details of UGT tanks   1 No. of size 5 m X 5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for Building-F & G 1 No. each of size 4 m X 130 m M deep for Building S 1 No. each of size 4 m X 120 m M x 120			Rs. 35,000 per pit	
Sewage and Waste water   Size of SWD:   Sewage generation in KLD:   STP technology:   MBBR   Separation of the STP:   Sudgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Budgetary allocation and Construction and Construction phase:   Disposal of the construction and Construction phase:   Disposal of the construction in the operation Phase:   Disposal of the special cost of the			1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential	
Sewage and Waste water   Size of SWD:   Sewage generation in KLD:   STP technology:   MBBR   Separation of the STP:   Sudgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Budgetary allocation and Construction and Construction phase:   Disposal of the construction and Construction phase:   Disposal of the construction in the operation Phase:   Disposal of the special cost of the				
Size of SWD:   Storm water drainage   Size of SWD:   Storm water drain as per maximum rainian.			Natural drainage pattern will be maintained.	
Sewage and Waste water  Sewage generation in KLD:  Sudgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  Sewage generation in the Pre Construction phase:  Budgetary allocation (O & M cost):  Waste generation in the Pre Construction phase:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  STP Sludge (Dry sludge):  Style (Dotes if any:  Not Applicable  Not Applicable	35.Storm water		Will be designed as per maximum rainfall.	
Sewage and Waste water  Capacity of STP (CMD):  Location & area of the STP:  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  All excavated earth of shall be used for backfilling on site.  Waste generation in the Pre Construction and Construction phase:  Waste generation in the operation Phase:  Waste generation in the operation Phase:  Not Applicable):  STP technology:  MBBR  490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings and 50 sq. m. for KDMC Non-Residential Building  Rs. 71.25 Lakhs  Rs. 71.25 Lakhs  All excavated earth of shall be used for backfilling on site.  Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.  Biomedical waste:  Hazardous waste:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable	drainage	Size of SWD:	X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 765 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm	
Sewage and Waste water  Capacity of STP (CMD):  Location & area of the STP:  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  All excavated earth of shall be used for backfilling on site.  Waste generation in the Pre Construction and Construction phase:  Waste generation in the operation Phase:  Waste generation in the operation Phase:  Not Applicable):  STP technology:  MBBR  490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings and 50 sq. m. for KDMC Non-Residential Building  Rs. 71.25 Lakhs  Rs. 71.25 Lakhs  All excavated earth of shall be used for backfilling on site.  Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.  Biomedical waste:  Hazardous waste:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable				
Sewage and Waste water    Capacity of STP (CMD):   490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential buildings			464.82	
Sewage and Waste water    Combination & area of the STP:   Location & area of the STP:   Location & Below ground level, Area : 375 sq. m. for Residential Building and 50 sq. m. for KDMC Non-Residential Building		STP technology:	MBBR	
Waste water    Location & area of the STP:   Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building And State Sq. m. for KDMC Non-Residential Building And State Sq. m. for KDMC Non-Residential Building And Sq. for KDMC Non-Residential Building And Sq	Sowage and			
Rs. 71.25 Lakins	0			
Waste generation in the operation Phase:    Waste generation in the operation phase:   Construction phase:			Rs. 71.25 Lakhs	
Waste generation in the Pre Construction and Construction phase:    Disposal of the construction waste debris:   Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.	G <sub>y</sub>		Rs. 7.2 Lakhs/year	
the Pre Construction and Construction phase:  Disposal of the construction waste debris:  Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.  Pry waste:  Wet waste:  Hazardous waste:  Waste / Spent Oil from DG Set & Transformers  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable		36.Soli	d waste Management	
Waste generation in the operation Phase:Disposal of the construction waste debris:Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.Waste generation Phase:Dry waste:800 kg/dayWet waste:1100 kg/dayHazardous waste:Waste / Spent Oil from DG Set & TransformersBiomedical waste (If applicable):Not ApplicableSTP Sludge (Dry sludge):50 kg/dayOthers if any:Not Applicable	Waste generation in	Waste generation:	All excavated earth of shall be used for backfilling on site.	
Waste generation in the operation Phase:    Websize	the Pre Construction and Construction	Disposal of the construction waste	Debris generated during construction phase will be collected at one	
Waste generation in the operation Phase:  Hazardous waste: Waste / Spent Oil from DG Set & Transformers  Not Applicable  STP Sludge (Dry sludge): 50 kg/day  Others if any: Not Applicable		Dry waste:	800 kg/day	
Waste generation in the operation Phase:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Not Applicable  50 kg/day  Not Applicable		Wet waste:	1100 kg/day	
in the operation Phase:    Biomedical waste (If applicable):   Not Applicable	Wasta ganaration	Hazardous waste:	Waste / Spent Oil from DG Set & Transformers	
STP Sludge (Dry sludge):  50 kg/day  Others if any:  Not Applicable	in the operation		Not Applicable	
	114001		50 kg/day	
(Secretary SEAC-II) 20, 2019 0j 210   SEAC-II)		Others if any:		
	(Secretary SEAC-11)		20, 2019 0J 210 SEAC-II)	

		Dry waste:		Segregation	n and sale of	recyclables.	inerts to ap	proved landfill site.	
		Wet waste		Organic Waste Composter (OWC)					
Hazardous waste:						uthorized oi	l waste recycler.		
Mada of Diamond		l waste (If	Not Applica				- · · · · · · · · · · · · · · · · · · ·		
		STP Sludg sludge):	e (Dry	To be mixed	d with wet w	aste after pr	oper drying	for treatment in OWC.	
		Others if a	ny:	Not Applica	able				
		Location(s	s):	Ground level					
Area requirem	ent:	Area for the of waste & material:		800 sq. ft.					
		Area for m	achinery:	120 sq. ft. f Residential		al buildings a	and 30 sq. ft	for KDMC Non-	
Budgetary (Capital co	allocation	Capital cos	st:	Rs. 16 Lakh Residential		ntial building	gs and Rs. 5.	5 Lakhs for KDMC Non-	
O&M cost)		O & M cos	t:		/annum for I		uildings and	Rs. 3 Lakhs for KDMC	
			37.Effluent Charecterestics						
Serial Number	Paran	neters	Unit		affluent terestics		Effluent erestics	Effluent discharge standards (MPCB)	
1	Not app	plicable	Not applicable	Not ap	plicable	eable Not applicable Not applicable			
Amount of effluent generation (CMD): Not applicab				able					
Capacity of	the ETP:		Not applica	ble					
Amount of t recycled:	reated efflue	ent	Not applica	able	<b>,</b>				
Amount of v	water send to	o the CETP:	Not applica	ible					
Membershi	p of CETP (if	require):	Not applica	ble					
Note on ET	P technology	to be used	Not applica	ble					
Disposal of	the ETP sluc	lge	Not applica	ble					
			38.На	zardous	Waste D	etails			
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal	
1	Used / S	pent Oil	5.1	KL/annum	Nil	As & when generated	As & when generated	To be sold to authorized oil waste recyclers	
	5		39.St	tacks em	ission Do	etails			
Serial Number	Section	& units	Fuel Used with Quantity		Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	capacity 63 for Res Buildings a	nd 1 No. of for KDMC sidential	HSD		3	6	0.20	518 deg.C	



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	40.Details of Fuel to be used							
Serial Number	Туј	oe of Fuel		Existing Proposed		Proposed		Total
1		HSD	1	Not applicabl	е	As per requirem	ent As	per requirement
41.Source	of Fuel		Not a	applicable			·	
42.Mode of	Transportat	ion of fuel to	site Not a	applicable				
Total RG area :			rea:	For residen building: 7			. m. and for KD	MC Non-Residential
	No of trees to		to be cut	301 nos. of trees will be affected				
43.Gree		Number of be planted		850 850				
Develop	ment	List of prop		Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata				
Timeline for completion of plantation:		of	4 years from commencement of construction					
44.Number and list of trees species to be planted in the ground								
Serial Number	Name of	the plant	Commo	n Name		Quantity		stics & ecological portance
1	Azadirac	hta indica	Ne	Neem		er landscape plan	Evergree	n, quick growing
0							-	

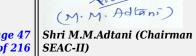
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	As per landscape plan	Evergreen, quick growing
2	Barringtonia racemosa	Nevar	As per landscape plan	Evergreen, quick growing
3	Dalbergia sisoo	Shisav	As per landscape plan	Evergreen, quick growing
4	Lagerstroemia speciosa	Queen Crape Myrtle	As per landscape plan	Evergreen, quick growing
5	Millingtonia hortensis	Indian Corck	As per landscape plan	Evergreen, quick growing
6	Minusops elengii	Bakuli	As per landscape plan	Evergreen, quick growing
7	Polyalthia longifolia	Ashok	As per landscape plan	Evergreen, quick growing
8	Spathodea campanulata	Indian Tulip Tree	As per landscape plan	Evergreen, quick growing
45	5.Total quantity of plan	ts on ground		

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

Serial Number	Name	C/C Distance	Area m2
1	As per landscape plan	As per landscape plan	As per landscape plan
	5	47 Energy	

47.Energy





Allen:

	Source of power supply:	MSEDCL
	During Construction Phase: (Demand Load)	190 kVA
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW
Power requirement:	During Operation phase (Demand load):	For Residential buildings: 2,288.88 kW and For KDMC Non-Residential building: 576.97 kW
	Transformer:	Dry type transformer: 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building
	DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	66 kV Railway Feeder Line. Minimum distance of 10 m has been maintained between the habitable structures and the HT line.

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

- Use of solar energy for common area lighting and landscape lighting
- Use of energy efficient pumps and motors
- Use of transformers with load and no load losses as compliant with ECBC
- Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting
- Use of timer-based automatic on-off controls for common area lighting

O & M cost:

- Energy conservation measures based on ECBC

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

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%
		_

### **50.** Details of pollution control Systems

Source	Existing pollution control system			Proposed to be installed
Waste water	Not applicable			STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste		Not applicable		Organic Waste Composter (OWC) for on-site treatment of wet waste
Budgetary allocation (Capital cost:		Rs. 110 Lakhs for	solar hot water system and solar street lighting	
(Capital	COSt allu			

## 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
------------------	------------	-----------	------------------------------------



O&M cost):

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Rs. 10 Lakhs for solar hot water system and solar street lighting

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1		of sanitation for labours  Provision of toilets, po drinking		potable	n				3		
2	safety fa	f health and cilities for ours	Medical tes	sts, train afety	ing				3		
3	_	ents for first id	First	aid kit					0.75		
4	enviro	oring of nmental neters		ng of air nd water ality					2.80		
		b	) Operat	ion Pl	nase	(wi	th Breal	k-up	):		
Serial Number	Comp	onent	Descr	iption		Capi	tal cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)
1		Γreatment (STP)	Total capa cr	city of 4	90		71.25			7.2	7
2		waste gement	IO.	NC			21.5		2	11	
3	Rainwater	harvesting		anks & ge pits			179.5	179.5 12.95		5	
4	(includi	ing features ing solar ergy)	Solar hot water system and solar street lighting			110 10					
5	Firefightin	g measures	Firefighting system (alarm, extinguisher etc.)			1700 17					
51.S	torage	of che	micals	(infl	am	abl	e/expl	osiv	e/haz	zardou	s/toxic
				sub	sta	nce	es)				
Descri	ription Status Location Ca		Stor Capa in I	acity	Maximum Quantity of Storage at any point of time in MT	/ Mo	umption onth in MT	Source of Supply	Means of transportation		
Not app	licable	Not applicable			No applio		Not applicable	Not a	pplicable	Not applicable	Not applicable
	52.Any Other Information										
No Informa	tion Availab	le									
	CY		53.	Traffi	с Ма	anag	gement				
	Nos. of the junction to the main road & design of confluence:  The proposed project site is along Kalyan-Shahad Road and accessification from the same.					nd accessible					





	Number and	area of	0		
	Number and podia:	area of	Podium (Ground + 6 Parking 75,663.29 sq. m.	floors + Stilt) with built-up area of	
	Total Parkin	u area:	*	ing in podium area + open car parking	
	Area per car		13.75 sq. m. for 4-Wheelers a		
	Area per car		13.75 sq. m. for 4-Wheelers a	•	
Parking details:	Number of 2- Wheelers as		2954	ma o sq. m. for 2 whoolors	
	Number of 4 Wheelers as approved by competent authority:		1291		
	<b>Public Trans</b>	sport:	Not Applicable		
	Width of all roads (m):	Internal	9 m		
	CRZ/ RRZ cl obtain, if an		CRZ-III. Out of this, 19,930 s reservation. Out of the total (Nagar' reservation, area adm to KDMC. No construction / taffected part of the site unde	a admeasuring 33,335 sq. m. is situated in q. m. area is under "Transport Nagar" CRZ-III affected area under "Transport neasuring 7,972 sq. m. will be handed over utilization of FSI is proposed on the CRZ-III or "Transport Nagar" reservation. The CRZ-III would be considered for	
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries		Waldhuni River (tributary of South-West to North-West	Ulhas River) - Adjoining the site from	
	Category as schedule of Notification	ĒΙΑ	8(b) Category B		
	Court cases if any	pending	No. Not Applicable		
	Other Releva		No		
Have you previously submitted Application online on MOEF Website.		No			
Date of online submission		-			
		TOR S	Suggested Chang	jes	
Consolidated Stateme Number	nt Point	(	Original Remarks	Submitted Changes	
Proposed development 1550 B & D, Shahad, Taluk Birla Estates		residential and commercial ton plot bearing CS No. 1653, S. No. 17, 18 and 218, Village a Kalyan, District Thane by M/s. (A Division of Century Textiles d Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)		



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Name of Project	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)	Proposed residential and commercial development on plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane by M/s. Birla Estates (A Division of Century Textiles and Industries Limited)
Type of institution	Private	Private
Name of Project Proponent	Birla Estates (A Division of Century Textiles and Industries Limited)	Birla Estates (A Division of Century Textiles and Industries Limited)
Name of Consultant	Aditya Environmental Services Pvt. Ltd.	Aditya Environmental Services Pvt. Ltd.
Type of project	Residential and Commercial	Residential and Commercial
New project/expansion in existing project/modernization/diversification in existing project	New Project	New Project
If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable	Not applicable
Location of the project	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane	Plot bearing CS No. 1653, 1550 B & D, S. No. 17, 18 and 218, Village Shahad, Taluka Kalyan, District Thane
Taluka	Kalyan	Kalyan
Village	Shahad	Shahad
Correspondence Name	Mr. Sachin Sinnarkar	Mr. Sachin Sinnarkar
Room Number	-	
Floor	Level 8	Level 8
Building Name	Birla Aurora	Birla Aurora
Road/Street Name	Dr. Annie Besant Road	Dr. Annie Besant Road
Locality	Worli	Worli
City	Mumbai	Mumbai
Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)
IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018, Approved Built-up Area: 1,54,168.00 sq. m	IOD/IOA/Concession/Plan Approval Number: Layout Approval No. KDMC TP 1293 dated 31st May 2018; Approved Built-up Area: 1,54,168.00 sq. m
Note on the initiated work (If applicable)	Not applicable	Not applicable
LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Layout Approval No. KDMC TP 1293 dated 31st May 2018	Layout Approval No. KDMC TP 1293 dated 31st May 2018
Total Plot Area (sq. m.)	85,220 sq. m	85,220 sq. m
Deductions	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m	Area not in possession : 2,095 sq. m, Area under 30 m wide road : 4,763 sq. m
Net Plot area	78,362 sq. m	78,362 sq. m
Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): For owner : 45,955.79 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,212.21sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m	FSI area (sq. m.): For owner : 45,980.33 sq. m. and for KDMC : 6000 sq. m, Non FSI area (sq. m.): 1,02,187. 67 sq. m, Total BUA area (sq. m.): 1,54,168.00 sq. m
Total ground coverage (m2)	17,140 sq. m	17,140 sq. m
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%	22%
Estimated cost of the project	Rs. 387 Crores	Rs. 387 Crores
	•	





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Number of buildings & its configuration	Residential Tower-A:Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B: Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-F: Stilt + 1 Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium area: Ground + 6 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors , KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors	Residential Tower-A:Stilt + 5 Parking Poiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-B: Part Stilt & Part Ground Floor + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Residential Tower-C: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-D: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors, Residential Tower-E: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Podiums + 1 Landscape Podium + 5 Residential Floors , Residential Tower-F: Stilt + 1 Parking Podium + 4 Part Residential & Part Parking Floors + 1 Landscape Podium + 23 Residential Floors, Residential Tower-G: Stilt + 5 Parking Podiums + 1 Landscape Podium + 23 Residential Floors, Podium Area: Ground + 5 Parking Floors + Stilt, Clubhouse: Ground + 0 Floors, KDMC Non-Residential Building: Ground + 3 Floors and Ground + 0 Floors	
Number of tenants and shops	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m.	Number of tenements : 682, Number of shops : 1, KDMC Non-Residential Building of built-up area 6,000 sq. m	
Number of expected residents / users	Total: 4195 (including occupants of residential buildings: 3268 + clubhouse: 327 + commercial building: 600 + visitors: 387)	Total: 4290 (including occupants of residential buildings: 3410 + clubhouse: 00 ( As Club house is part of Residential ) + commercial building: 800 + visitors: 80	
Tenant density per hectare	300/Hectare	300/Hectare	
Height of the building(s)	6.65 m - 89.4 m	6.65 m - 89.4 m	
Right of way (Width of the road from the nearest fire station to the proposed building(s)	Public access: 30 m wide DP road, Right of way: 18 m wide road, Internal roads: 9 m wide roads	Public access: 30 m wide DP road Right of way: 18 m wide road Internal roads: 9 m	
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	4.738 m (internal turning radius on podium)	4.738 m (internal turning radius on podium)	
Existing structure (s) if any	Not applicable	Not applicable	
Details of the demolition with disposal (If applicable)	Not applicable	Not applicable	
Production Details	Not applicable	Not applicable	
Total Water Requirement	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)	Source of water: Kalyan Dombivali Municipal Corporation (KDMC)	
Fresh water (CMD)	327.3	327cmd	
Recycled water - Flushing (CMD) :	170.25	171 cmd	
Recycled water - Gardening (CMD)	165.376	323 cmd	
Swimming pool make up (Cum)	3	3 cmd	
Total Water Requirement (CMD)	665.926	824 cmd	
Fire fighting - Underground water tank (CMD)	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building	
Fire fighting - Overhead water tank (CMD) :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building	
Excess treated water	105.95	0 cmd	
Source of water	Kalyan Dombivali Municipal Corporation (KDMC)	Kalyan Dombivali Municipal Corporation (KDMC)	
Fresh water (CMD)	327.3	327 cmd	
Recycled water - Flushing (CMD)	170.25	171 cmd	
Recycled water - Gardening (CMD)	0	0 cmd	



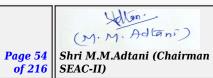


(C)	2	2 1
Swimming pool make up (Cum):	3	3 cmd
Total Water Requirement (CMD):	500.55	501 cmd
Fire fighting - Underground water tank (CMD) :	500 m3/day for residential buildings and 100 m3/day for KDMC nonresidential building	700 cmd for Residential buildings 100 cmd for KDMC Non-Residential building
Fire fighting - Overhead water tank $(CMD)$ :	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	30 cmd in each wing of Residential buildings 20 cmd for KDMC Non-Residential building
Excess treated water	30 m3/day in each wing of residential buildings and 20 m3/day for KDMC non-residential building	258 cmd
Details of Swimming pool (If any)	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.	Swimming pool size is proposed to be 25 m X 10 m X 1.2 m. Fresh water requirement for swimming pool will be sufficed from tanker water supply.
Details of Total water consumed	NA	NA NA
Level of the Ground water table:	Below 6 m	Below 6 m
Rain Water Harvesting (RWH) Size and no of RWH tank(s) and Quantity	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B, 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E, 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G, 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse,1 No. of size 3 m X 2.5 m X 3 m	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 m deep Building-C, D & E :1 No. of size 5 m X 5 m X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building :1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed : 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep
Location of the RWH tank(s):	Below ground level	Below ground level
Quantity of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	Residential buildings: 17 Nos. KDMC Non- Residential building: 4 Nos.
Size of recharge pits:	31 Nos. for residential buildings and 6 Nos. for KDMC Non-Residential building	All recharge pits of size 3 m X 3 m X 4 m deep
$Budgetary\ allocation\ (Capital\ cost):$	Rs. 3,50,000 per pit	Rs. 112 lacs
Budgetary allocation (O & M cost) :	Rs. 35,000 per pit	Rs. 2.24 lacs
Details of UGT tanks if any :	1 No. of size 4 m X 3.5 m X 4 m deep for Building-A & B 1 No. of size 5 m X 5 m X 4 m deep for Building-C, D & E 1 No. of size 3.5 m X 3.5 m X 4 m deep for Building-F & G 1 No. each of size 3 m X 3 m X 4 m deep for KDMC Non-Residential Building and Clubhouse	Building-A & B: 1 No. of size 4 m X 3.5 m X 4 n deep Building-C, D & E:1 No. of size 5 m X 5 n X 4 m deep Building-F & G: 1 No. of size 3.5 m X 3.5 m X 4 m deep KDMC Commercial Building:1 No. of size 5 m X 4 m X 4 m deep KDMC Auto Repair Shed: 1 No. of size 3.5 m X 3.5 m X 4 m deep Clubhouse:1 No. of size 3 m X 3 m X 4 m deep
Storm water drainage Natural water drainage pattern:	Natural drainage pattern will be maintained.	Natural drainage pattern will be maintained.
Quantity of storm water:	Will be designed as per maximum rainfall	Will be designed as per maximum rainfall
Storm water drain channels of following sizes will be provided: 750 mm X 1140 mm deep, 600 mm X 1145 mm deep, 600 mm X 1280 mm deep, 450 mm X 650 mm deep, 600 mm X 1330 mm deep, 600 mm X 1270 mm deep		Storm water drain channels of following sizes will be provided: 1.750 mm X 960 mm deep, 2.600 mm X 1060 mm deep, 3.450 mm X 960 mm deep, 4.450 mm X 770 mm deep, 5.600 mm X 910 mm deep,
Sewage and Waste water, Sewage generation in KLD	464.82	464 KLD
STP technology:	MBBR	MBBR
Capacity of STP (CMD):	490 cmd (1 STP of 450 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)	485 cmd (1 STP of 445 cmd capacity for Residential buildings + 1 STP of 40 cmd capacity for KDMC Non-Residential building)
Location & area of the STP:	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building	Location : Below ground level, Area : 375 sq. m. for Residential Buildings and 50 sq. m. for KDMC Non-Residential Building
Budgetary allocation (Capital cost):	Rs. 71.25 Lakhs	Rs. 125 Lacs
Budgetary allocation (O & M cost):	Rs. 71.25 Lakhs	Rs. 6.50 Lacs



Solid waste Management, Waste generation in the Pre Construction and Construction phase: Waste generation:	All excavated earth of shall be used for backfilling on site.	All excavated earth of shall be used for backfilling on site.
Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.	Debris generated during construction phase will be collected at one place and will be disposed off to KDMC approved land-filling sites.
Waste generation in the operation Phase Dry waste:	800 kg/day	1030kg/day for Residential + 106 kg/day for KDMC - Total : 1136 kg/day
Wet waste:	1100 kg/day	687 kg/day for Residential + 70 kg/day for KDMC- Total : 757 kg/day
Hazardous waste:	Waste / Spent Oil from DG Set & Transformers	Waste / Spent Oil from DG Set & Transformers
Biomedical waste (If applicable):	Not Applicable	0 kg/day
STP Sludge (Dry sludge):	50 kg/day	35 kg/day
Others if any:	Not Applicable	E Waste : 2145 kg/yr for Residential + 880 kg/yr for KDMC
Mode of Disposal of waste: Dry waste	Segregation and sale of recyclables, inerts to approved landfill site	Segregation and sale of recyclables, inerts to approved landfill site
Wet waste	Organic Waste Composter (OWC)	Organic Waste Composter (OWC)
Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler	Used oil from DG sets to be sold to authorized oil waste recycler
Biomedical waste (If applicable):	Not applicable	Not applicable
STP Sludge (Dry sludge):	To be mixed with wet waste after proper drying for treatment in OWC	To be mixed with wet waste after proper drying for treatment in OWC
Others if any:	Not applicable	Not applicable
Area requirement: Location(s):	Ground level	Ground level
Area for the storage of waste & other material:	800 sq. ft.	800 sq. ft.
Area for machinery	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings	120 sq. ft. for Residential buildings 30 sq. ft. for KDMC Non-Residential buildings
Budgetary allocation (Capital cost and O&M cost):	Rs. 16 Lakhs for Residential buildings and Rs. 5.5 Lakhs for KDMC Non-Residential buildings	Capital cost: Rs. 26 Lakhs , O & M cost: Rs. 1.3 Lakhs/annum
Effluent Characteristics	Not applicable	Not applicable
Amount of effluent generation (CMD):	Not applicable	Not applicable
Capacity of the ETP:	Not applicable	Not applicable
Amount of treated effluent recycled:	Not applicable	Not applicable
Amount of water send to the CETP:	Not applicable	Not applicable
Membership of CETP (if require):	Not applicable	Not applicable
Note on ETP technology to be used	Not applicable	Not applicable
Disposal of the ETP sludge	Not applicable	Not applicable
Hazardous Waste Details	Used / spent oil: To be sold to authorized oil waste recyclers	Used / spent oil: To be sold to authorized oil waste recyclers
Stacks emission Details	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)	DG Set (2 Nos. Of capacity 630 kVA each for Residential Buildings and 1 No. of 315 kVA for KDMC Non-Residential Building)
Details of Fuel to be used	HSD	HSD
For residential buildings: 31,858 sq. m. and KDMC Non-Residential building: 7,972 sq. No of trees to be cut: 301 nos. of trees will affected, 301 nos. of trees will be affected: 8 List of proposed native trees: Azadiracht indica, Barringtonia racemosa, Dalbergia si Lagerstroemia speciosa, Millingtonia horter Minusops elengii, Polyalthia longifolia, Spathodea campanulata		Total RG area : For residential buildings : 31,858 sq. m. and for KDMC Non-Residential building : 7,972 sq. m, No of trees to be cut:: 135 nos., Number of trees to be planted : 675 nos., List of proposed native trees : Azadirachta indica, Barringtonia racemosa, Dalbergia sisoo, Lagerstroemia speciosa, Millingtonia hortensis, Minusops elengii, Polyalthia longifolia, Spathodea campanulata





Timeline for completion of plantation :	4 years from commencement of construction	4 years from commencement of construction
Number and list of trees species to be planted in the ground	attached as annexure	attached as annexure
Total quantity of plants on ground	1799 nos.	1799 nos.
Number and list of shrubs and bushes species to be planted in the podium RG	As per landscape plan	As per landscape plan
Source of power supply	MSEDCL	MSEDCL
During Construction Phase: (Demand Load)	190 kVA	190 kVA
Power requirement DG set as Power back-up during construction phase	Not applicable	Not applicable
During Operation phase (Connected load):	For Residential buildings : 4,621.70 kW and For KDMC Non-Residential building : 1015.07 kW	For Residential buildings : 4,741 kW For KDMC Non-Residential building : 1015 kW
During Operation phase (Demand load):	For Residential buildings : 2,288.88 kW and For KDMC Non-Residential building : 576.97 kW	For Residential buildings : 2,353 kW For KDMC Non-Residential building : 576 kW
Transformer:	Dry type transformer: 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 630 kVA for KDMC Non-Residential building	Dry type transformer: 3 nos. of capacity 1000 kVA for Residential buildings and 1 No. of capacity 1000 kVA for KDMC Non-Residential building
DG set as Power back-up during operation phase:	2 Nos. of DG sets of capacity 630 kVA each for Residential buildings and 1 No. of DG set of capacity 315 kVA for KDMC Non-Residential building will be installed as emergency power back-up.	DG set as Power back-up during operation phase:
Fuel used:	HSD	HSD
Energy saving by non-conventional method:	Use of solar energy for common area lighting and landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses as compliant with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based automatic on-off controls for common area lighting - Energy conservation measures based on ECBC	Energy savings measures: - Use of Solar energy for street & landscape lighting - Use of energy efficient pumps and motors - Use of transformers with load and no load losses in compliance with ECBC - Use of LED lighting fixtures for internal common areas, parking, landscape and street lighting - Use of timer-based/sensor based on-off controls for common area lighting - Solar hot water (for one toilet of each apartment)
Detail calculations & % of saving:	For Residential buildings : 24.03% and For KDMC Non-Residential building : 21.79%	19%
Details of pollution control Systems Details of pollution control Systems	STP of total capacity 490 cmd (1 STP of 450 cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building),	STP of total capacity 485 cmd (1 STP of 445cmd for Residential Complex + 1 STP of 40 cmd for KDMC Non-Residential Building)
Municipal solid waste	Organic Waste Composter (OWC) for on-site treatment of wet waste	Organic Waste Composter (OWC) for on-site treatment of wet waste
Organic Waste Composter (OWC) for on-site treatment of wet waste Capital cost:	Rs. 21 Lacs	Rs. 151 Lacs
O & M cost:	Rs.11 Lacs	Rs. 7.8 Lacs
Environmental Management plan Budgetary Allocation Waste management	3 LACS	0.20 LACS
Toilets for labour + drinking water + first aid arrangement	3.75 LACS	0.70 LACS
Operation Phase (with Break-up) :Sewage Treatment Plant (STP)	71.25	125.00 LACS
Solid waste management	21.5	26.00 LACS
Rainwater harvesting	179.5	112.00 LACS
Energy saving features (including solar energy)	110	110.00 LACS



Environmental Monitoring Cell	-	7.35 LACS
Green belt development	-	Green belt development
Fire Fighting	1700	1242.00
Storage of chemicals (inflamable/explosive/hazardous/toxic substances)	Not Applicable	Not Applicable
Any Other Information	Not Applicable	Not Applicable
Traffic Management Nos. of the junction to the main road & design of confluence:	The proposed project site is along Kalyan- Shahad Road and accessible from the same.	The proposed project site is along Kalyan- Shahad Road and accessible from the same.
Parking details: Number and area of basement:	0	0
Number and area of podia	Podium (Ground + 6 Parking floors + Stilt) with built-up area of 75,663.29 sq. m.	Podium (Ground + 5 Parking floors + Stilt) with built-up area of 62,551.87 sq. m.
Total Parking area:	78,000 sq. m. including parking in podium area + open car parking	65,000 sq. m. including parking in podium area + open car parking
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	3 sq. m. for 2-Wheelers
Area per car:	13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers13.75 sq. m. for 4-Wheelers and 3 sq. m. for 2-Wheelers	13.75 sq. m. for 4-Wheelers
Number of 2-Wheelers as approved by competent authority:	2954	2954
Number of 4-Wheelers as approved by competent authority:	1291	1291
Public Transport:	Not applicable	Not applicable
Width of all Internal roads (m):	9 m	9 m
CRZ/ RRZ clearance obtain, if any:	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under 'Transport Nagar' reservation. Out of the total CRZ-III affected area under 'Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under 'Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.	Out of the total site area, area admeasuring 33,335 sq. m. is situated in CRZ-III. Out of this, 19,930 sq. m. area is under "Transport Nagar' reservation. Out of the total CRZ-III affected area under "Transport Nagar' reservation, area admeasuring 7,972 sq. m. will be handed over to KDMC. No construction / utilization of FSI is proposed on the CRZ-III affected part of the site under "Transport Nagar' reservation. The developer's plot affected by CRZ-III would be considered for landscaping / greenbelt development.
Distance from Protected Areas / Critically Polluted areas / Eco- sensitive areas/ inter-State boundaries	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North- West	Waldhuni River (tributary of Ulhas River) - Adjoining the site from South-West to North- West
Category as per schedule of EIA Notification sheet	8(b) Category B	8(b) Category B
Court cases pending if any	Not applicable	Not applicable
Other Relevant Informations	No	No
Have you previously submitted Application online on MOEF Website	No	No
Date of online submission	-	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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Sollan!

Representative of PP was present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

PP informed that, the project under consideration is *Residential development cum Commercial development Project*. Committee noted that, the project previously considered in 85th SEAC-2 meeting held on 18/01/2019 & was deferred with important observation that to submit CRZ NoC, detail storm water drain calculations & detail plan for Plantation programme. PP submitted the compliance for the same.

PP stated that, the total plot area of the project is 85,220Sq.mt with total construction area of 15,41,68 Sq.mt. (FSI-For owner: 45,955.79 sq. m. and for KDMC: 6000Sq.mt + NON FSI- 1,02,212.21Sq.mt.). And the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential Tower-A	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Residential Tower-B	Ground + 1 Parking Floor + 28 residential floors (with 1 shop atStilt level)	89.4
Residential Tower-C	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-D	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-E	Ground + 1 Parking Floors + 10 residential floors	36.3
Residential Tower-F	Ground + 1 Parking Floor + 28 residential floors	89.4
Residential Tower-G	Ground + 5 Parking Floors + Stilt+ 23 residential floors	89.4
Podium Area	Ground + 6 Parking Floors + Stilt	18.6
Clubhouse	Ground + 0 Floors	6.65
KDMC Non-Residential Building	Ground + 3 Floors and Ground + 0Floors	18.2

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record. It is also noted that CFO NOC stipulate ramp slope as 1:10 but for

## **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 informed that he has not proposed any construction in CRZ and prohibited area and undertook that he will not undertake any construction therein without MCZMA's clearance. PP was directed not to undertake any construction in CRZ prohibited area without specific clearance from MCZMA

2) PP to design slope of ramp to 1:12

### FINAL RECOMMENDATION

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



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## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for Expansion of Residential and Commercial project on Plot bearing CTS No. 4/2 (Sector IV), 25/A/2 (Sector VII), 16, 18, 19, 20, 21, 22 (Sector XI), 10, 11, 14-B, 14-C, 16-A, 17, 18, 19 (Sector V), 28/A & 28/B, 22/3, 22/6, 20 (pt) & 22 (pt), 18 (pt), 19 (pt) (Sector XI-A) at Powai, 11/A at Chandivali, 24/A at Tirandaz, 13-A/1/1A(PT.), 14C (PT.) & 16 A (PT.) (Sector-VI-A) & 11B/4 (Sector-XIV) Mumbai, Maharashtra by HGP Community Pvt. Ltd. (Formerly known as Lake View Developers)

Is a Violation Case: No

is a violation case: No						
1.Name of Project	HGP COMMUNITY PRIVATE LIMITED (Formerly known as Lake view Developers)					
2.Type of institution	Private					
3.Name of Project Proponent	Mr. Bhagwan Patil					
4.Name of Consultant	Dr. D. A. Patil ; Mahabal Enviro Engineers Pvt. Ltd.					
5. Type of project	Housing 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	Yes, EC was obtained vide No. SEAC-2013/CR-97/TC.1 dated 10.04.2014 for the Plot area 9,81,004.98 m2, having FSI area 3,39,089.76 m2 and total construction area 7,26,493.67 m2.					
8.Location of the project	Plot bearing CTS No. 4/2 (Sector IV), 25/A/2 (Sector VII), 16, 18, 19, 20, 21, 22 (Sector XI), 10, 11, 14-B, 14-C, 16-A, 17, 18, 19 (Sector V), 28/A & 28/B, 22/3, 22/6, 20 (pt) & 22 (pt), 18 (pt), 19 (pt) (Sector XI-A) at Powai, 11/A at Chandivali, 24/A at Tirandaz, 13-A/1/1A(PT.), 14C (PT.) & 16 A (PT.) (Sector-VI-A) & 11B/4 (Sector-XIV) Mumbai, Maharashtra by HGP Community Pvt. Ltd. (Formerly known as Lake View Developers)					
9.Taluka						
10.Village	Powai, Chandivali, Tirandaz Mumbai					
Correspondence Name:	HGP COMMUNITY PRIVATE LIMITED (Formerly known as Lake view Developers)					
Room Number:	-					
Floor:	-					
Building Name:	Olympia Central Avenue					
Road/Street Name:						
Locality:	Hiranandani Business Park					
City:	Powai, Mumbai - 400076					
11.Area of the project	Municipal Corporation of Greater Mumbai					
	CE/192/BPES/AS dated 28/03/'2018					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CE/192/BPES/AS dated 28/03/2018					
Approvarivamber	Approved Built-up Area: 661914.78					
13.Note on the initiated work (If applicable)	The construction is going on as per EC received vide No. SEAC-2013/CR-97/TC.1 dated 10.04.2014					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	To be applied					
15.Total Plot Area (sq. m.)	10,07,620.00 m2					
16.Deductions	2,13,955.21 m2					
17.Net Plot area	7,91,397.6 m2					
10.43	a) FSI area (sq. m.): 5,35,372.08 m2					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 5,34,061.04 m2					
	c) Total BUA area (sq. m.): 1069433.12					
	<b>Approved FSI area (sq. m.):</b> 3,49,859.40 m2					
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 3,12,055.38 m2					
	Date of Approval: 28-03-2018					
19.Total ground coverage (m2)	1,85,312.18 m2					



SEAC Meeting No: 89 Meeting Date: February 20, 2019

(M. M. Adlans)

Shri M.M.Adtani (Chairman

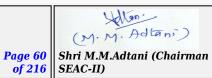
SEAC-II)

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.41%
21.Estimated cost of the project	32250000000

	22. Number of buildings & its configuration						
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)				
1	Belicia	3B + St + Pod + 1st to 30th Floor	102.45				
2	Adalia (Wing A & B)	3B + St + 1st to 31st Floor	102.55				
3	Adalia (Wing C & D)	3B + St + 1st to 31st Floor	102.55				
4	Tamara	3B + St + 1st to 31st Floor	102.55				
5	Bianca	3B + St + 1st to 29th Floor	96.35				
6	Atlantis (Wing A & B)	2B + St + 4 Pod +1st to 27th Floor	88.35				
7	Atlantis (Wing C)	2B + St + 4 Pod + 1 to 28th Floor	91.35				
8	Maple	B + St + Pod +2nd to 17th Floor	54.15				
9	Hill Grange	1B + St +1st to 22nd Floor	68.80				
10	Huntsman (Castle rock) (Wing A & B)	B + St + 4 Pod + 5th to 22nd Floor	60.15				
11	Huntsman (Castle rock) (Wing C & D)	3B + St + 1st to 19th Floor	69.15				
12	Sorrento	2B + Gr +1st to 22nd Floor	69.75				
13	Regent hill	3B + St + 1st to 23rd Floor	69.80				
14	Highland	2B + St + 1st to 22nd Floor	69.95				
15	Adonia II (Amber)	3B + Gr+ 1st to 27th Floor	85.35				
16	Empress Hill	2B + St + 1st to 22nd Floor	69.95				
17	G4 Commercial	2B +St + 1st To 14th Floor	55.80				
18	Residential Building	2B + St + 1st to 22nd Floor	69.95				
19	Community Center	2B + Gr + 1st to 2nd Floor	13.20				
20	Already Constructed Buildings	-	-				
21	Glen Ridge	Lower St + Upper St + 1 Pod 2nd to 31st Floor	105.15				
22	Knowledge Park	2B + Gr+1st to 12th + 13th (Part) Floor	62.90				
23	Kensington	LB + UB + St+2 Pod+3rd to 15th Floor	67.95				
	23.Number of tenants and shops  Flats: 4,989 Nos.  Commercial: Knowledge Park and Kensington buildings already constructed and occupied, G4 and Community Centre is proposed, Commercial BUA: 1,63,782.23 m						
24.Numbe expected r users							

users	
25.Tenant density per hectare	65/Ha
26.Height of the building(s)	



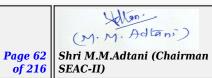


27.Right of (Width of t from the n station to t proposed b	the road earest fire the	The project	The project site is accessed by 45.75 m wide Jogeshwari-Vikhroli Link Road (JVLR).					
28. Turning for easy active tender movement around the excluding for the plan	from all building the width	9 m	9 m					
29.Existing structure (		Yes, existing	g Buildings i	n Layout				
30.Details demolition disposal (I applicable)	with f	NA						
	31.Production Details							
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not app	Not applicable Not ap		olicable	Not applicable	Not applicable		
	32.Total Water Requirement							
		Source of	water	MCGM				
		Fresh water	er (CMD):	2655 KLD				
		Recycled w Flushing (		1417 KLD				
		Recycled w Gardening		583 KLD				
	Swimming pool make up (Cum):		7 KLD					
Dry season:  Total Water Requirement (CMD) :  Fire fighting - Underground water tank(CMD):		4112 KLD						
		Undergrou	nd water	As per NBC				
		Fire fighting Overhead tank(CMD)	water	As per NBC				
4. 4.		Excess trea	ated water	657 KLD				



			_							
		Source of		MCGM+RWH						
			, ,		2155+500 KLD					
		Recycled w Flushing (		1417 KLD						
		Recycled w Gardening		-						
		Swimming make up (		7 KLD						
Wet seasor	1:	Total Wate Requireme		4112 KLD						
		Fire fightin Undergroutank(CMD)	nd water	As per NBC	,					
		Fire fighting Overhead v tank(CMD)	water	As per NBC	,					
		Excess trea	ated water	1240 KLD						
	Details of Swimming pool (If any)									
33.Details				s of Tota	l water o	consume	d			
Particula rs	Cons	sumption (C	EMD)	Loss (CMD)		Effluent (CMD)				
Water Require ment	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	
		- 1		4	7			11		
		Level of th		Ground water table at depth of 3 to 4 m						
		Size and notank(s) and Quantity:		RWH tanks and RWH Ponds of total capacity 500 KL						
		Location o tank(s):	f the RWH	Ground/Basement						
34.Rain V Harvestin		Quantity o pits:	f recharge	The existing bore wells, dug cum bore well and percolation pits for ground water recharge						
(RWH)	3		harge pits	2 m dia, 3 m depth						
			allocation st) :	Rs. 87 Lakhs						
		Budgetary (O & M cos		Rs. 4.7 Lakhs/year						
	Details of U if any :		UGT tanks	Will be pro	vided as per	NBC at Base	ement/groun	d		





	Natural water drainage pattern:	The slope of the plot is towards North side					
35.Storm water drainage	Quantity of storm water:	The storm water generation 34.3 m3/sec					
	Size of SWD:	$0.30\ \mathrm{to}\ 0.60\ \mathrm{m}$ wide internal SWD drains Storm water drains of six and four feet wide size are present along the main internal roads of layout					
	Sewage generation in KLD:	3,574 KLD					
	STP technology:	MBBR					
Sewage and	Capacity of STP (CMD):	18 STP's of total 4,330 KLD capacity					
Waste water	Location & area of the STP:	Ground/Basement					
	Budgetary allocation (Capital cost):	Rs.1,082 Lakhs					
	Budgetary allocation (O & M cost):	Rs. 211 Lakhs/year					
36.Solid waste Management							
Waste generation in	Waste generation:	Construction debris: 10,000 m3; Excavation for basement and foundation purpose					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016					
	Dry waste:	6,299 kg/day					
	Wet waste:	9,449 kg/day					
Waste generation	Hazardous waste:	-					
in the operation Phase:	Biomedical waste (If applicable):						
	STP Sludge (Dry sludge):	39 kg/day					
	Others if any:	-					
	Dry waste:	Dry garbage will be disposed off to recyclers					
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.					
Mode of Disposal	Hazardous waste:	-					
of waste:	Biomedical waste (If applicable):	-					
6y	STP Sludge (Dry sludge):	Sludge after dewatering will be used as manure for gardening					
· ·	Others if any:	Household E-waste generation					
	Location(s):	On ground					
Area requirement:	Area for the storage of waste & other material:	600 m2					
	Area for machinery:	325 m2					
Budgetary allocation	Capital cost:	Rs. 235 Lakhs					
(Capital cost and O&M cost):	O & M cost:	Rs. 104 Lakhs/year					
	37.Ef	fluent Charecterestics					



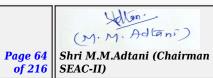
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Shri M.M. Adtani (Chairman

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Serial Number	Paran	neters	Unit	Inlet E Charect	Effluent terestic		Outlet Effluent Charecterestics		Effluent discharge standards (MPCB)
1	Not ap	plicable	Not applicable	Not ap	plicable		Not ap	plicable	Not applicable
Amount of e (CMD):	effluent gene	eration	Not applica	ıble					
Capacity of	the ETP:		Not applica	ble					
Amount of t recycled :	reated efflu	ent	Not applica	ıble					
Amount of v	water send t	o the CETP:	Not applica	ble					
Membershi	p of CETP (if	f require):	Not applica	ble					
Note on ET	P technology	to be used	Not applica	ble					
Disposal of	the ETP sluc	lge	Not applica	ble					
			38.Ha	zardous	Wast	e D	etails		
Serial Number	Descr	iption	Cat	UOM	Existi	ng	Proposed	Total	Method of Disposal
1	Not ap	plicable	Not applicable	Not applicable	Not applica		Not applicable	Not applicable	Not applicable
			39.St	tacks em	issior	ı De	etails		
Serial Number	Section	& units	Fuel Us Qua	Stack	No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not ap	plicable	Not ap	plicable	Not applica		Not applicable	Not applicable	Not applicable
			40.De	tails of H	uel to	o be	e used		
Serial Number	Тур	e of Fuel		Existing			Proposed		Total
1	Not	applicable	1	Not applicable Not applicable Not applicable					
41.Source o			Not applicable						
42.Mode of	Transportat	ion of fuel to	site Not a	pplicable					
		7							
		Total RG a	rea: RG on Ground: 1,03,462.63 m2; RG on Podium: 13,207.94 m2						
		No of trees	s to be cut	to be cut 142 Nos.					
43.Gree		Number of be planted							
Develop	ment	List of pro native tree		Given below	V				
Timeline for completion of plantation :  Within 2 years of complete to the plantation is the plantatio				ars of co	ompl	etion of cons	struction act	ivity	
	44.Number and list of trees species to be planted in the ground								
Serial Number	Name of	the plant	Commo	n Name		Qua	ntity		eristics & ecological importance
1	ALBIZIA	LEBBECK	Kir	ıhai		1	0	As	medicinal value.
2	AMOORA I	ROHITUKA	Roh	ituk		2	0	As	medicinal value.
3	ERYTHRIN	NA INDICA	Pan	gara		3	9	As medicina	al value, Bird attractive.





4	LAGERSTROEMIA SPECIOSA	Tamhan	60	Edible, mature fruit as medicinal value, Bird and attractive.
5	MILLINGTONIA HORTENSIS	Kaval Nimb	71	As Bird attractive.
6	MIMUSOP ELENGI	Bakul	15	As medicinal value, Bird attractive.
7	PONGAMIA PINNATA	Karanj	15	Valued for its oil and repellent, having medicinal value.
8	SARACA INDICA	Sita Ashok	22	As medicinal value, Bird attractive.
9	SWIETENIA	Mahogany	35	As medicinal value, Bird attractive.
10	TERMINALIA ARJUNA	Arjuna	30	As medicinal value. produce tassar silk, a wild silk of commercial importance.
11	TREVIA NODIFLORA	Pindar	33	Bird attractive.
12	ANNONA SQUAMOSA	Sugar apple	23	Annona squamosal is as small, well-branched tree
13	ANTHOCEPHALUS CADAMBA	Kadambha	30	Shady, large tree, ball shaped flowers.
14	ARECA CATECHU	Areca nut	35	
15	AZADIRACHTA INDICA	Neem	35	Semi-evergreen tree with medicinal value
16	BAUHINIA PURPUREA	Apta	35	Small tree with small white flowers, Butterfly host plant
17	CITRUS ACIDA	Limbu	30	Fruit Bearing Tree
18	COCOS NUCIFERA	Coconut	15	Shady tree with White flowers.
19	CANARIUM STRICTUM	Dhoop	20	As medicinal value.
20	DYPSIS MADAGASCARIENSIS	Macaw Palm	40	Flowering plant
21	ELAEIS GUINEENSIS	Oil Palm	22	-
22	EUGENIA JAMBOLANA	Jambul	25	Fruit tree attracting birds
23	FICUS BENJANMINA	Ficus	35	Flowering plant
24	Millingtonia Hortensis	Indian Cork Tree	30	A evergreen tree with white flowers
25	Michelia Champaca	Son Chafa	35	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
4	5.Total quantity of plan	its 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





	Source of power supply:	Tata Power		
	During Construction Phase: (Demand Load)	1000 kVA		
	DG set as Power back-up during construction phase	750 kVA		
Darwar	During Operation phase (Connected load):	83.38 MW		
Power requirement:	During Operation phase (Demand load):	47.14 MW		
	Transformer:	28 Nos. x 1500 KVA		
	DG set as Power back-up during operation phase:	17,395 kVA (6 x 380 kVA, 2 x 320 kVA, 6 x 750 kVA, 4 x 400 kVA, 4 x 600 kVA, 8 x 500 kVA, 1 x 625 kVA, 1 x 1350)		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	Nil		
48 Fnergy saving by non-conventional method:				

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

Solar PV Hot water to Residential Buildings Solar PV Panels on Roof Top of Commercial Area

## 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	>20

## 50.Details of pollution control Systems

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

**Budgetary allocation** | Capital cost: (Capital cost and O&M cost):

Rs. 373 Lakhs

O & M cost: Rs. 27 Lakhs/year

# 51. Environmental Management plan Budgetary Allocation

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

			- 1
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	10
2	Site sanitation Facility and its maintenance		12
3	Potable Water Supply to Labour	-	14
4	4 Solid waste management		10
5	Disinfection	-	6



**SEAC Meeting No: 89 Meeting Date: February** 20, 2019

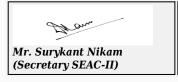
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Shri M.M.Adtani (Chairman SEAC-II)

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		-								
6	Safety Personal Protective Equipmen	(Helmets, Safety Shoes, Safety Belt Googles, Hand Glov etc.)	t,		25					
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-			12					
8	Safety nets	-		38						
9	Tyre cleaning and Vehicle maintenance	-					8			
10	Safety Training to Workers (Twice in Year), Safety Officer	-					15			
11	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approve laboratories - Ambie Air-RSPM, PM2.5, SO2, NOx, CO), Nois Leq day time and Night Time)	h ed ent , se:	4						
		b) Operation Ph	nase	e (wi	th Breal	k-up)	7			
Serial Number	Component	Description	Description Capital cost Rs. In Lacs		. In	Operational and Maintenance cost (Rs. in Lacs/yr)				
1	STP (Tertiary)	Continuous O & M	1	1082			211			
2	Solar System	Weekly		373			27			
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)		87				4.7		
4	Solid Waste Composting plant	Continuous O & M	1	235 104			:			
5	Landscape	Daily		1166			231			
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories		- 4						
51.S	torage of ch	emicals (infla			_	osiv	e/haz	zardou	s/toxic	
Description Status		Location	Storage Location Capacity in MT		Maximum Quantity of Storage at any point of time in MT			Source of Supply	Means of transportation	
Not app	licable Not applicable	Not applicable		lot icable	Not applicable	Not a	pplicable	Not applicable	Not applicable	
		52.Any Otl	her	Info	rmation	1				
No Informa	tion Available									



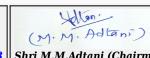
**53.Traffic Management** 

(M. M. Adtani)

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	Nos. of the junction to the main road & design of confluence:	The project site is accessed by 45.75 m wide Jogeshwari-Vikhroli Link road
	Number and area of basement:	1, 2 and 3 basements, Total area: 11,82,114.58 m2
	Number and area of podia:	1 & 4 Podium, Total area: 40,653.33 m2
	Total Parking area:	3,19,246.3 m2
	Area per car:	29.3 m2
	Area per car:	29.3 m2
Parking details:	Number of 2- Wheelers as approved by competent authority:	
	Number of 4- Wheelers as approved by competent authority:	10,564 Nos.
	Public Transport:	
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 2 km approx
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Yes, Court case in High court of Bombay, Civil application No. 36 of 2017 in PIL No. 131 of 2008
	Other Relevant Informations	The TOR is granted by Ministry of Environment, Forest and Climate Change, Delhi on 07.09.2017
	Have you previously submitted Application online on MOEF Website.	Yes
2,	Date of online submission	01-08-2017
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	-				
<b>Energy Management</b>	-				
Traffic circulation system and risk assessment	-				
Landscape Plan	-				
Disaster management system and risk assessment	-				
Socioeconomic impact assessment					
Environmental Management Plan					
Any other issues related to environmental sustainability					
	Brief information of the project by SEAC				

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Representative of PP was present during the meeting along with environmental consultant M/S.Dr. D. A. Patil ;MahabalEnviro Engineers Pvt. Ltd.

is that, the project was previously considered in 83th SEAC-2 meeting held on 18/12/2018 & PP was asked to ubmit following-

PP to submit the copy of agreement & copy of registration from registrar of companies. PP to submit the company resolution for authorised person.

2) PP to submit & upload the copy of said judgement in PIL 131/2008 & also the copy of civil application in said matter & also PP to submit "Exhibit A" filed by PP in the court.

3) PP to upload all orders given from Hon. high court time to time. PP to give gist of all Hon. High court orders a statement format showing how each building is proposed to be constructed by keeping in mind the hon. high court orders issued in the matter. PP to clarify in writing that court stay is not applicable to proposal under consideration, If so, as told during meeting.

During the meeting, Certificate of incorporation issued by GoI & company resolution for authorized person taken on record. PP also submitted "Exhibit A" filed in PIL 131/2008. Copies of various judgments in the said civil applications are also taken on record.

t is noted that EC vide letter dated 10/4/2014 has been accorded for total construction area 7,26,493.77 sq.mt. A here is increase in plot area by 26,575.02c Sq.mt & addition of TDR component based on road width as per otification dated 2/5/2016, Now total plot area of the project is 10,07,620 Sq.mt of which FSI area is 5,35,372.08 or more constructions.

Envir	onment C	learance as per 10.04	Proposed Expansion	to E.C.		
Build	ing	Configuration	BUA (m²)	Configuration	BUA (m2)	
Belicia		3B + St + Pod + 1 to 30 Floor		3B + St + Pod + 1 to 30 Floor		
Adalia (Wing	A & B)	3B + St + 1 to 31 Floor		3B + St + 1 to 31 Floor		
Adalia (Wing	C & D)	3B + St + 1 to 31 Floor	2,28,880.27	3B + St + 1 to 31 Floor	2,28,880.27	
Tamai	ta	3B + St + 1 to 31 Floor		3B + St + 1 to 31 Floor		
Bianca		3B + St + 1 to 29 Floor		3B + St + 1 to 29 Floor		
Atlant		3B + St + 4 Pod +1 to 25 Floor (Wing A) 3B + St + 4 Pod +1 to 26 Floor (Wing B)	1,13,673.69	2B + St + 4 Pod +5 to 27 Floor (Wing A & B)	86,468.07	
Atlant	is			2B + St + 4 Pod+ 5 to 28 Floor (Wing C)		
Maple		B + St + Pod +1 to 15 Floor+ 16 Part Floor	23,752.99	B + St + Pod + 2 to 17 Floor	23,304.02	
Hill G	range	1B + St +1 to 22 Floor	36,165.21	1B + St +1 to 22 Floor	34,170.35	
Adoni	a II	Gr+1 <sup>st</sup> Stilt+2 <sup>nd</sup> Stilt+3 to 6 Floor	12,038.2	3B+Gr+ 1 to 27 Floor	59,065.18	
Hunts (New Castle		Basement+Gr+1st to 5th	14,910.94	B +St + 4 Pod + 5 to 22 Floor 3B +St + 1 To 19 Floor	98,298.89	

P	PP submitte	ed building wise com	parative	statement as	per earlier EC	& proposed expa	insion as bel	low-
roi	nment Cle	arance as per 10.0	4.2014	Prop	osed Expansio	n to E.C.		
din	ng (	Configuration	BUA (n	n²) Conf	iguration	BUA (m2)		
ia:	3	3B + St + Pod + 1 to 30 Floor		3B +	St + Pod + 1 Floor			
ia		3B + St + 1 to 31	1	3B +	St + 1 to 31			
	. & B) F	Floor		Floor				
lia	3 E & D)	3B + St + 1 to 31 Floor	2,28,88	0.27 3B + Floor	St + 1 to 31	2,28,880.27		
		3B + St + 1 to 31	1	3B +	St + 1 to 31	1		
ara	F	Floor		Floor		-		
ca	3 F	3B + St + 1 to 29 Floor		Floor	St + 1 to 29			
	3 t	3B + St + 4 Pod +1 to 25 Floor (Wing A)		to 27	St + 4 Pod +5 Floor			
	3 t	3B + St + 4 Pod +1 to 26 Floor (Wing B)	1,13,67	3.69	g A & B)	86,468.07		
ntis		,		2B +	St + 4 Pod+ 5 Floor			
				(Win				
+	F	B + St + Pod +1 to		D	St + Pod + 2 to	23.304.02		
ole	F	15 Floor+ 16 Part Floor	23,752.	17 FI	oor	<u> </u>		
Gra	inge F	IB + St +1 to 22 Floor	36,165.	Floor		34,170.35		
nia :	II S	Gr+1 <sup>st</sup> Stilt+2 <sup>sd</sup> Stilt+3 to 6 Floor	12,038.	2 3B+0 Floor	Gr+ 1 to 27	59,065.18		
tsm	ian			B +S 22 FI	t + 4 Pod + 5 to oor			
	ame t Rock)	Basement+Gr+1st to 5th	14,910.	94 3B + Floor	St + 1 To 19	98,298.89		
+	,							^
								ZX
	Environme	ent Clearance as p	er 10.04	.2014	New Buildin	gs Proposed		
ľ	D/14/	C	Height	BUA	D	C	Height	BUA (m²)
ŀ	Building	Configuration	(m)	(m <sup>2</sup> )		Configuration	(m)	Den ()
					Sorrento	2B + Stilt +1 <sup>st</sup> to 22 <sup>nd</sup> Flr	69.75	6,918.82
					Regent hill	3B + Stilt +1 <sup>st</sup> to 23 <sup>rd</sup> Flr	69.8	95,910.34
					Highland	2B + Stilt + 1st to 22sd Flr	69.95	52,210.98
	Not Propos	sed			Empress Hill	2B + Stilt + 1**	69.95	48,950.00
				^	G4	to 22 <sup>nd</sup> Flr 2B +Gr + 1 <sup>nt</sup> to	55.8	24,004.76
				K,		14th Flr 2B + Stilt+1st		11,642.69
				1	Nesi. Didg.	to 22 <sup>rd</sup> Flr	69.95	
				7	Center	2B + Gr +1 <sup>st</sup> to 2 <sup>nd</sup> Flr	13.2	2,536.40
-	Already Constructed Buildings Already Constructed Building							
	Glen Ridge	Lower St+ Upper St+1st Pod 2nd to	105.15	23,632.02	01 711	Lower St + Upper St+1 <sup>st</sup> Pod 2 <sup>nd</sup> to 31 <sup>st</sup>	105.15	23,632.02
-		31st Flr.				Flr.		
	Knowledge Park	2 Basement+Gr+1st to 12th + 13th	62.90	65,163.17	Rnowleage Park	2 B+Gr+1 <sup>st</sup> to 12 <sup>th</sup> + 13 <sup>th</sup> (Pt.)	62.90	65,163.17
ŀ		Part Flr Lower Basement				Flr		
	Kensington	+ Upper Basement+ St+2 Pod+3rd to 15th	67.95	2,08,277.18	Kensington	LB + UB + St+2 Pod+3 <sup>rd</sup> to 15 <sup>th</sup> Flr	67.95	2,08,277.18
ŀ		Flr				10 13 FII		
L			Total	7,26,493.6	7			10,69,433.14

PP stated that, TOR was issued by the MoEF &CC vide dated 07.09.2017.



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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

(M. M. Adtani)

## **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 abide by Hon. court orders issued in various civil applications.
- 2) PP to submit the Architect Certificate regarding building wise construction done on site along with building cross A above. sections with reference to EC dated 10.4.2014.

#### FINAL RECOMMENDATION

Mr. Surykant Nikam (Secretary SEAC-II)

**SEAC Meeting No: 89 Meeting Date: February** 20, 2019

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Sollan:

## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

Subject: Environment Clearance for Proposed development and construction of IT Park

Is a Violation Case: Yes			
1.Name of Project	Proposed development and construction of IT Park on Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai, Maharashtra by Mindspace Business Parks Private Limited (Formerly known as Serene Properties Private Limited)		
2.Type of institution	Private		
3.Name of Project Proponent	Mindspace Business Parks Private Limited		
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.		
5.Type of project	IT park		
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment		
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, received vide letter no. 21- 268/2007 IA.III dated August 23, 2007.		
8.Location of the project	Plot No. 3, TTC Industrial Area, MIDC, Airoli, Navi Mumbai.		
9.Taluka	Thane		
10.Village	Airoli		
<b>Correspondence Name:</b>	Plot No. C-30		
Room Number:	Block 'G'		
Floor:	6th floor		
<b>Building Name:</b>	Raheja Tower		
Road/Street Name:	Next to Bank of Baroda		
Locality:	Bandra-Kurla Complex		
City:	Bandra (East)		
11.Area of the project	MIDC		
	Approval no.: DE/MHP(C) /3/IFMS/B-65206 dated 03/06/2015.		
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Approval no.: DE/MHP(C) /3/IFMS/B-65206 dated 03/06/2015.		
	Approved Built-up Area: 352848.13		
13.Note on the initiated work (If applicable)	Work has been initiated as per EC granted dated 23rd August 2007.		
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable		
15.Total Plot Area (sq. m.)	202740.00		
16.Deductions	3142.20		
17.Net Plot area	199597.80		
10 (a) Proposed Poilt up Avec (ECL)	a) FSI area (sq. m.): 352848.13		
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 139876.07		
	c) Total BUA area (sq. m.): 492724.20		
10 (b) A	Approved FSI area (sq. m.): 352848.13		
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 139876.07		
	Date of Approval: 03-06-2015		
19.Total ground coverage (m2)	66689.29		
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.89		
21.Estimated cost of the project	13237400000		
00 N			

# 22. Number of buildings & its configuration



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(M. M. Adtani)

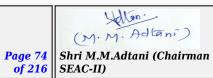
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Serial number	Buildin	g Name & number	Nu	mber of floors	Height of the building (Mtrs)				
1	Build	ing No. 1 to 4 & 7	Stilt + 3 Pa	rking + 8 Office Floors	44.90				
2	Bui	ilding No. 5 & 6	Stilt + 2 Pa	rking + 8 Office Floors	42.00				
3	F	Building No. 8	Stilt	+ 7 Office Floors	32.05				
4	Buildin	g No. 9, 10, 11 & 12	Stilt + 1 Pa	arking + 8 Office Floors	40.85				
5	Вι	ilding No. 14A	Stilt + 1 Pa	arking + 8 Office Floors	40.85				
6		ervice Like Club house, curity Cabin etc.		max. G + 1 8.4					
23.Number tenants an		Not applicable as it's ar	n IT project.						
24.Number expected rusers		Users: 70570 nos.							
25.Tenant per hectar		Not applicable as it is a	n IT project.						
26.Height building(s)									
27.Right o (Width of the from the number of the proposed here)	the road earest fire	The plot is abutting to $\epsilon$	existing 45 m	t. wide Thane Belapur Ro	oad.				
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	Min.9 mts	Min.9 mts						
29.Existing		We have completed con	struction of	13 IT/ ITES buildings with	h support services.				
30.Details demolition disposal (I applicable	with f	No previous structure t	o be demolis	n.					
		31.F	Product	ion Details					
Serial Number	Pro	duct Existing	J (MT/M)	Proposed (MT/M)	Total (MT/M)				
1	N	A N	JA .	NA	NA				
	GY	32.Tota	l Wate	r Requiremen	t				

	Source of water		tra Industrial De n Sewage treatn			n (MIDC) & tre	ated					
	Fresh water (CMD		ii Jowago trodtii	ioni piant								
	Recycled water - Flushing (CMD):	1764	1764									
	Recycled water - Gardening (CMD):	97										
	Swimming pool make up (Cum):	0										
Dry season:	Total Water Requirement (CM):	<b>D)</b> 3824										
	Fire fighting - Underground wate tank(CMD):	er 300			4	<u> </u>						
	Fire fighting - Overhead water tank(CMD):	35										
	Excess treated was	ter 0			00							
	Source of water		tra Industrial De n Sewage treatn			n (MIDC) & tre	ated					
	Fresh water (CMD	<b>):</b> 1411										
	Recycled water - Flushing (CMD):	1764		5								
	Recycled water - Gardening (CMD):	0	0,									
	Swimming pool make up (Cum):	0										
Wet season:	Total Water Requirement (CM):	D) 3824	) <del>&gt;</del>									
	Fire fighting - Underground wate tank(CMD):	<b>3</b> 00										
	Fire fighting - Overhead water tank(CMD);	35										
	Excess treated wa	ter 0										
Details of Swimming pool (If any)	Not Applicable											
	33.Det	ails of Tot	al water co	nsume	d							
Particula Con	sumption (CMD)		Loss (CMD)		Eff	fluent (CMD)						
Water Require Existing ment	Proposed Tot	al Existing	Proposed	Total	Existing	Proposed	Total					
Domestic NA	NA NA	NA NA	NA	NA	NA	NA	NA					



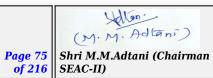




	<b>Level of the Ground</b>	3 mts.
	water table:	o mos.
	Size and no of RWH tank(s) and Quantity:	13 RWH tanks of total capacity 1117 cum
	Location of the RWH tank(s):	Underground
34.Rain Water Harvesting	Quantity of recharge pits:	13 no. of recharge pits
(RWH)	Size of recharge pits :	4mt x 4 mt x 4 mt
	Budgetary allocation (Capital cost) :	400 lakhs
	Budgetary allocation (O & M cost) :	70 lakhs
	Details of UGT tanks if any :	Fire underground tank: 300 cmd Firefighting overhead tank: 35 cmd
25 Charma suntan	Natural water drainage pattern:	The natural drain will be maintained at site
35.Storm water drainage	Quantity of storm water:	1.72 cum/sec
	Size of SWD:	0.6 m x 0.6 m wide
	Sewage generation in KLD:	2541
	STP technology:	MBBR Technology
Sewage and	Capacity of STP (CMD):	13 STP of total capacity 2885 KLD
Waste water	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	900 lakhs
	Budgetary allocation (O & M cost):	68 lakhs
		d waste Management
Waste generation in	Waste generation:	Not applicable
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	sold to authorized dealers.
	Dry waste:	11901 Kg/ day
	Wet waste:	4761 Kg/day
Wasta ganaration	Hazardous waste:	Not Applicable
Waste generation in the operation Phase:	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	305 Kg/day
	Others if any:	Not Applicable







		Dry waste:		Dry garbag	e has l	een h	anded over t	to the author	ized recycler.		
		Wet waste:							•		
		Hazardous		OWC units has been installed on site to compost wet waste  Not Applicable							
Mode of lof waste:			Riomodical wasto (If		Not Applicable						
		STP Sludgesludge):	e (Dry	Will be drie	Will be dried and used as manure.						
		Others if a	ny:	Not Applicable							
		Location(s	):	Ground floo	or						
Area requirem	ent:	Area for the of waste & material:		included in	included in machinery area						
		Area for m	achinery:	600 sq. m							
Budgetary		Capital cos	st:	60 lakhs							
(Capital co O&M cost)		O & M cos	t <b>:</b>	16 lakhs					3		
			37.E	fluent C	hare	cter	estics				
Serial Number	Paran	neters	Unit	Inlet E	ffluen	t		Effluent erestics	Effluent discharge standards (MPCB)		
1	N	·A	NA	N	ĪΑ		N	A	NA		
Amount of e	effluent gene	ration	Not applica	able							
Capacity of	the ETP:		Not applica	able							
Amount of t recycled:	reated efflue	ent	Not applica	able		7					
Amount of v	vater send to	the CETP:	Not applica	able	<b>&gt;&gt;</b>						
Membership	o of CETP (if	require):	Not applica	able	<b>&gt;</b>						
Note on ET	P technology	to be used	Not applica	able							
Disposal of the ETP sludge Not applic				able							
			38.Ha	azardous	Was	te D	etails				
Serial Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Total	Method of Disposal		
1	Not app	olicable	Not applicable	Not applicable	No appli		Not applicable	Not applicable	Not applicable		
	•		39.S	tacks em	issio	n De	etails				
Serial Number	Section	& units		sed with ntity	Stacl	x No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases		
1	Not app	olicable	Not ap	plicable	No appli		Not applicable	Not applicable	Not applicable		
			40.De	tails of I	uel	to be	e used				
Serial Number	Тур	e of Fuel		Existing			Proposed		Total		
1	Not	applicable	I	Not applicabl	.e	N	Not applicabl	е	Not applicable		
41.Source o	f Fuel		Not a	applicable				·			
42.Mode of	Transportat	ion of fuel to	site Not a	applicable							



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		Total RG a	rea :	19,959.78 s	q.m					
		No of trees	s to be cu	ut 232 Nos						
43.Gree	n Belt	Number of be planted		1996 Nos	996 Nos					
Develop	ment	List of pro		Attached as	Attached as Annexure I					
		Timeline f completion plantation	n of	Already pla	nted on site					
	44.Nu	-		f trees spe	cies to b	e plante	d in the ground			
Serial Number		the plant		mon Name		ntity	Characteristics & ecological importance			
1		ed as Annexure Attached		d as Annexure I	Attached a		Attached as Annexure I			
45	.Total qua	Total quantity of plants on groun		ound						
46.Num	nber and	list of sl	nrubs a	and bushes	species	to be pla	anted in the podium RG:			
Serial Number		Name		C/C Dista	C/C Distance Area m2					
1	Attached	l as Annexur	e I	Attached as Ar	as Annexure I Attached as Annexure I					
				47.Eı	nergy					
		Source of supply:	power	Mindspace	Serene Elec	tricity Distril	bution Licensee			
	Pha		During Construction Phase: (Demand Load)		130 KW					
		DG set as back-up de constructi	uring	77 KW	7					
		During Op phase (Cor load):	eration	31850 KVA						
Pov require	_	During Op phase (De load):		19250 KVA	19250 KVA					
		Transform	er:	24 x 2000 k	VA & 2 x 15	00 KVA prov	rided already on site.			
		DG set as Power back-up during operation phase:			30 x 1010 KVA, 6 x 1110 KVA, 4 x 2000 KVA, 3 x 1500 KVA of total capacity 49,460 KVA.,2x750 KVA stand by DG					
	GY	Fuel used:		HSD						
		Details of tension lin through th any:	e passin		Not Applicable					
		48.Ene	ergy sa	ving by no	n-conve	tional m	nethod:			
LED lights f	for staircase	& passage a	rea							
		4	9.Deta	il calculati	ons & %	of saving	g:			
Serial Number	E	nergy Cons	ervation	Measures			Saving %			
1			Bldg. 1				21.26%			
Mr. Suryka	Qui	G.F.A		a No: 89 Meetin			(M. M. Adlani)			



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2			Bldg. 2					16	5.50%		
3			Bldg.3					19	.70%		
4			Bldg. 4					19	.30%		
5		]	Bldg. 5 & 6					19	.80%		
6			Bldg.8				19.50%				
7			Bldg. 9				19.20%				
8			Bldg. 10					20	.20%		
9			Bldg. 11					20	.20%		
10			Bldg. 12					20	.20%		
11			Bldg. 14					19	.50%		
		5	0.Details	of pol	lut	ion c	ontrol S	ystems	A		
Source	Ex	xisting pol	lution contro	l syster	n			Proposed t	o be install	ed	
NA		-	NA						NA		
Budgetary		Capital o	ost:	2000 la	khs						
(Capital O&M		0 & M c	ost:	1000 la	khs						
51	.Envir	onmer	ntal Mar	nage	me	ent p	olan Bı	ıdgetar	y Alloca	ation	
		a	) Construc	ction	pha	se (v	vith Bre	ak-up):			
Serial Number	Attri	butes	Parai	meter			Total	Cost per ann	ım (Rs. In	Lacs)	
1	1	VΑ	N	ĪΑ			NA				
			b) Operat	ion P	has	e (wi	th Breal	k-up):			
Serial Number	Comp	onent	Descr	ription		Capi	ital cost Rs Lacs		ational and cost (Rs. in	Maintenance Lacs/yr)	
1		Treatment ant	N	NA		900			68		
2		Waste gement	N	IΑ	60 16						
3	Rain Water	Harvestin	g N	ĪΑ			400		70		
4	Land	lscape	N	ΙA			500		45		
5		nmental ring cell	N	ĪΑ			0		35		
<b>51.S</b>	torage	of ch	emicals				_	osive/ha	zardou	ıs/toxic	
				sub	sta	ance	es)				
Descri	ption	Status	Locatio	n	Caj	orage pacity 1 MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation	
N/	Λ	NA	NA		<u> </u>	NA	NA	NA	NA	NA	
			52.A	ny Ot	her	Info	rmation	l			
No Informa	tion Availab	le									
			53.	Traffi	c M	<b>Iana</b>	gement				



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	Nos. of the junction to the main road & design of confluence:	The site is directly connected to Thane Belapur road.
	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	139876.07 sq.m
	Area per car:	32 sq.m
	Area per car:	32 sq.m
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA
	Number of 4- Wheelers as approved by competent authority:	6779 nos. (Covered parking: 4365 nos.)
	Public Transport:	NA
	Width of all Internal roads (m):	30 mtrs.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project is LEED Gold certified by IGBC.
	Have you previously submitted Application online on MOEF Website.	Yes
2,	Date of online submission	07-09-2017

## **SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS**

Summorised in brief information of Project as below.

# Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated  $14^{th}$  March 2017 &  $8^{th}$  March 2018. ToR has been approved for the proposal in 71th SEAC-2 meeting held on 01-10-2018.



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#### **DECISION OF SEAC**

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018. ToR has been approved for the proposal in 71th SEAC-2 meeting held on 01-10-2018.

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 in 87th SEAC-2 meeting held on 7/02/2019 committee 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)

**Specific Conditions by SEAC:** 

#### FINAL RECOMMENDATION

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



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

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#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

#### SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for Proposed Residential & Commercial Project at Land bearing S. No. 180, 181/2, 185/1 to 12, 186, 187/B, 188/Pt, 190, 191, 192, 193, 194, 196, 197, 199, 201, 202, 203, 204/1, 2, 3 & 4 205/1, 2, 3, 4, 5, 6 & 7, 206, 207, 208/1, 2, 3, 4 to 8, 209, 210/1, 2, 3, 211/2, 3, 6 & 7/Pt., 212, 213/1, 214/3, 215/Pt.215/Pt., 216/1,2&4,219/2, 220/Pt.221/1&2, 222/3, 223/1, 223/2, 224/1 & 250/Pt., 250/Pt., 251, 254, 255/1 to 4, 257/1, 259/1 260/Pt. & 260/Pt., 261 & 263, Village: Nilemore, Tal:Vasai, Dist.: Thane.

Te a	Vio	ation	Case:	Vac
15 a	VIU	lawu	Case:	169

Is a Violation Case: Yes	
1.Name of Project	Anil R. Gupta
2.Type of institution	Private
3.Name of Project Proponent	Anil R. Gupta
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Residential & Commercial 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	NA
8.Location of the project	At Land bearing S. No. 180, 181/2, 185/1 to 12, 186, 187/B, 188/Pt, 190, 191, 192, 193, 194, 196, 197, 199, 201, 202, 203, 204/1, 2, 3 & 4 205/1, 2, 3, 4, 5, 6 & 7, 206, 207, 208/1, 2, 3, 4 to 8, 209, 210/1, 2, 3, 211/2, 3, 6 & 7/Pt., 212, 213/1, 214/3, 215/Pt., 215/Pt., 216/1,2&4,219/2, 220/Pt., 221/1&2, 222/3, 223/1, 223/2, 224/1 & 250/Pt., 250/Pt., 251, 254, 255/1 to 4, 257/1, 259/1 260/Pt. & 260/Pt., 261 & 263, Village: Nilemore, Tal:Vasai, Dist.: Thane., Maharashtra
9.Taluka	Vasai
10.Village	Nilemore
Correspondence Name:	Anil R. Gupta
Room Number:	D-II/ 1 & 2
Floor:	-
<b>Building Name:</b>	Aakansha Commercial Complex
Road/Street Name:	Achole Road
Locality:	Opp. HDFC Bank, Nallasopara (E)
City:	Nallasopara (E), Vasai Virar
11.Area of the project	Vasai Virar city Municipal Corporation (VVCMC)
	VVCMC/TP/2655/2015-16 dt. 01/12/2015
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CIDCO/VVSR/RDP/BP-4142/W/5524 dated 23/09/2009, CIDCO/VVSR/CC/BP-4474&4475/W/5699 dated 22/01/2010, VVCMC/TP/RDP/BP-04473/076/2011-12 dated 09/08/2011, VVCMC/TP/CC/VP-0310/1681 dated 31/10/2011, VVCMC/TP/RDP/VP-125/127/2011-12 dt 31/10/2011, VVCMC/TP/CC/VP-0420/134/2011-12 dt. 18/11/2011, VVCMC/TP/CC/VP-0301/1681 dt. 28/11/2011, VVCMC/TP/RDP/VP-0300/1690/2012-13 dt. 29/11/2011, VVCMC/TP/CC/VP-0238/1740 dt. 07/12/2011, VVCMC/TP/CC/VP-0239/2035 dt. 06/01/2012, VVCMC/TP/CC/VP-0193-0359/308/2012-13 dt. 05/05/2012, VVCMC/TP/RDP/VP-111/0302-1/2013-14 dt. 16/12/2013, VVCMC/TP/2655/2015-16 dt. 01/12/2015
	Approved Built-up Area: 688154.56
13.Note on the initiated work (If applicable)	FSI Area: 277568.71 m2 Construction area: 463274.76 m2 Case is filed against us vide no. 88/2015 before JMFC, Vasai Court for violation of EIA Notification 2006
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Amenities Total area As per order no. VVCMC/TP/RDP/VP-111/0302-1/2013-14 Dt- 16/12/2013 • Amenity area as per the approved RDP Order No.VVCMC/TP/RDP/VP-111/063/2017-18 Dated 14/08/2017 (PS, HS-1 & 2)
15.Total Plot Area (sq. m.)	378746.39 m2
16.Deductions	147406.05 m2
17.Net Plot area	231340.34 m2



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	a) FSI area (sq. m.): 402290.21 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 285864.35 m2
	c) Total BUA area (sq. m.): 688154.56
	Approved FSI area (sq. m.): 402290.21 m2
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 285864.35
	Date of Approval: 01-12-2015
19.Total ground coverage (m2)	66371.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.69 %
21.Estimated cost of the project	899000000

# 22. Number of buildings & its configuration

number	Buildin	g Name & number	Number of floors	Height of the building (Mtrs)					
1	P	rimary School	G + 7F	29.40 m					
2		35 WINGS	G + 12 F	38.15 m					
3	High	School No. 1 & 2	G + 7 (pt)	29.40 m					
4		Hospital	B+G + 3F	15.90 m					
5	170 Wings		G + 7F	23.90 m					
6		75 Wings	G + 9F	29.60 m					
7		Market	G + 3F	14.00					
23.Number tenants an		Flats: 17610 nos. Shops: 1035 Nos. Hall & office: 148 Nos. Hospital, Primary School	Flats: 17610 nos. Shops: 1035 Nos.						
24.Number expected rusers		93,789 Nos.							
25.Tenant per hectar		465 Nos./ha							
26.Height building(s)			>*						
27.Right o (Width of the from the nation to the proposed by	the road learest fire the	The project site is acces	sed by 30m wide Virar-Nallasopara R	load on the west side					
28. Turning for easy active tender movement around the excluding for the pla	from all building the width	Min 9 m							
29.Existing structure		Nil							

# **31.Production Details**



30.Details of the demolition with

disposal (If applicable)

NA

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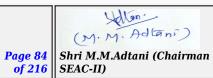
	Source of v Fresh wate Recycled w Flushing (C Recycled w Gardening Swimming make up (C Total Wate Requireme : Fire fightin Undergrout tank(CMD) Fire fightin Overhead v tank(CMD) Excess trea Source of v Fresh wate Recycled w	water er (CMD): vater - CMD): vater - (CMD): pool Cum): er ent (CMD)  ng - ind water ): ing - water ): ated water water	VVCMC 8044 KLD 4374 KLD 235 KLD - 12183 CMD As per fire N 6890 VVCMC	NOC			Not applicabl	е
-	Source of v Fresh wate Recycled w Flushing (C Recycled w Gardening Swimming make up (C Total Wate Requireme : Fire fightin Undergrout tank(CMD) Fire fightin Overhead v tank(CMD) Excess trea Source of v Fresh wate Recycled w	water er (CMD): vater - CMD): vater - (CMD): pool Cum): er ent (CMD)  ng - ind water ): ing - water ): ated water water	VVCMC 8044 KLD 4374 KLD 235 KLD - 12183 CMD As per fire N 6890	NOC	iremen	t		
-	Fresh water Recycled was Flushing (Control Recycled was Gardening Swimming make up (Control Requirements:  Fire fighting Undergrout tank (CMD)  Fire fighting Overhead wat tank (CMD)  Excess treated Source of was Recycled water Recycled was Fresh water Recycled was Flushing (CMD)	er (CMD): vater - CMD): vater - (CMD): pool Cum): er ent (CMD)  ng - und water ): ng - water ): ated water water	8044 KLD 4374 KLD 235 KLD - 12183 CMD As per fire N 6890	NOC				
-	Recycled w Flushing (C Recycled w Gardening Swimming make up (C Total Wate Requireme: : Fire fightin Undergrout tank(CMD) Fire fightin Overhead v tank(CMD) Excess trea Source of v Fresh wate	vater - CMD): vater - (CMD): pool Cum): er ent (CMD)  ng - ind water ): ng - water ): ated water water	4374 KLD  235 KLD  -  12183 CMD  As per fire N  6890	NOC		300		
-	Flushing (Control Recycled was Gardening Swimming make up (Control Water Requirements:  Fire fighting Undergrout tank (CMD)  Fire fighting Overhead was tank (CMD)  Excess treated Source of was Fresh water Recycled was Gardening Source of water Recycled Water Recycled was Gardening Source of water Recycled was Gardening Source of water Recycled	CMD): vater - (CMD): pool Cum): er ent (CMD)  ng - und water ): ng - water ): ated water water	235 KLD  - 12183 CMD  As per fire N  6890	NOC		300		
-	Gardening Swimming make up (C Total Wate Requireme : Fire fightin Undergrout tank(CMD) Fire fightin Overhead v tank(CMD) Excess trea Source of v Fresh wate	pool Cum): er ent (CMD)  ng - und water ): ng - water ): ated water water	- 12183 CMD As per fire N As per fire N	NOC		300		
-	make up (C Total Wate Requireme : Fire fightir Undergrout tank(CMD) Fire fightir Overhead v tank(CMD) Excess trea Source of v Fresh wate Recycled w	cum): er ent (CMD)  ng - ind water ): ng - water ): ated water water	As per fire N As per fire N 6890	NOC	200	300	2	
-	Requireme: Fire fightin Undergrout tank(CMD) Fire fightin Overhead v tank(CMD) Excess trea Source of v Fresh wate Recycled w	ent (CMD)  ng - und water ): ng - water ): ated water water	As per fire N As per fire N 6890	NOC	a s	300		
	Undergroutank(CMD) Fire fightin Overhead v tank(CMD) Excess trea Source of v Fresh wate Recycled w	ind water ): ng - water ): ated water water	As per fire N		a <sup>s</sup>	300		
	Overhead v tank(CMD) Excess trea Source of v Fresh wate Recycled w	water ): ated water water	6890	NOC	O			
	Source of v Fresh wate Recycled w	water						
	Fresh wate		VVCMC					
-	Recycled w	r (CMD).						
		i (CHID):	7192 KLD					
	Flushing (		4074 KLD					
	Recycled w Gardening							
	Swimming make up ((							
	Total Wate Requireme :		11987					
	Undergrou	nd water	As per fire N	10C				
	Overhead v	water	As per fire N	NOC				
	Excess trea	ated water	7125					
ning	NA							
	3	3.Details	s of Tota	l water c	consume	d		
Cons	umption (C	EMD)	1	Loss (CMD)	)	Ef	ffluent (CM	D)
ting	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
ot cable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
t	cons	Fire fightin Undergroutank(CMD) Fire fightin Overhead tank(CMD) Excess treating NA  Consumption (Consumption	Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water ling NA  33.Details  Consumption (CMD)  ing Proposed Total  t Not Not	Fire fighting - Underground water tank(CMD):  Fire fighting - Overhead water tank(CMD):  Excess treated water 7125  NA  33.Details of Tota  Consumption (CMD)  In the second seco	Fire fighting - Underground water tank(CMD):  Fire fighting - Overhead water tank(CMD):  Excess treated water Tank(CMD):  The fighting - Overhead water tank(CMD):  The fighting - Overhead water Tank(CMD):  The fighting - As per fire NOC  Tank(CMD):  The fighting - As per fire NOC  As per fire NOC  Loss (CMD):  The fighting - Tank(CMD):  The fighting - The fighting	Fire fighting - Underground water tank(CMD):  Fire fighting - Overhead water tank(CMD):  Excess treated water Tank(CMD):  The fighting - Overhead water tank(CMD):  The fighting - Overhead water Tank(CMD):  The fighting - As per fire NOC  Tank(CMD):  The fighting - As per fire NOC  Tank(CMD):  The fighting - Total water consume  Total water consume  Total Existing Proposed Total  Total  Total Not	Fire fighting - Underground water tank(CMD):  Fire fighting - Overhead water tank(CMD):  Excess treated water NA  33.Details of Total water consumed  Consumption (CMD)  Loss (CMD)  Existing  Proposed Total Existing Proposed Total Not	Fire fighting - Underground water tank(CMD):  Fire fighting - Overhead water tank(CMD):  Excess treated water 7125  NA   33.Details of Total water consumed  Consumption (CMD)  Loss (CMD)  Effluent (CMD)  ing Proposed Total Existing Proposed  t Not Not Not Not Not Not Not Not Not



Level of the Ground water table:  Size and no of RWH tank(s) and  13 RWH Tanks of total capacity 1450 KLD	
Quantity:	
Location of the RWH tank(s):  Ground	
34.Rain Water Harvesting Quantity of recharge pits:	
(RWH) Size of recharge pits Nil	
Budgetary allocation (Capital cost):  Rs. 110 Lakhs	<u> </u>
Budgetary allocation (O & M cost):  Rs. 6 Lakhs/year	
Details of UGT tanks if any:  Below ground	
Natural water drainage pattern:  Towards South west side	
35.Storm water drainage Quantity of storm water: 16,624 m3/hr	
Size of SWD: 1) 450 X 450 mm 2) 450 X 600 mm 3) 600 X 650 mm wide channel	4) 750 X 900 mm
Sewage generation in KLD: 11379 KLD	
STP technology: MBBR Technology	
Sewage and  Capacity of STP (CMD):  4 STP's with total capacity of 12000 KLD	
Waste water  Location & area of the STP:  Ground	
Budgetary allocation (Capital cost):  Rs. 1200 Lakhs	
Budgetary allocation (O & M cost):  Rs. 240 Lakhs/y	
36.Solid waste Management	
Waste generation in Waste generation: Construction debris generation: 15252 m3	
the Pre Construction and Construction phase:  Disposal of the construction waste debris:  The construction debris will be utilized at site for Road plinth filling	ad Paving and
<b>Dry waste:</b> 18069 kg/d	
<b>Wet waste:</b> 27104 kg/d	
Hazardous waste: NA	
Waste generation in the operation Phase:    Hazardous waste:   1470 kg/month   1470 kg/month	
STP Sludge (Dry sludge):  114 m3/day	
Others if any:	







		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.						
Mode of I	Dienneal	Hazardous waste:		NA							
of waste:			Biomedical waste (If applicable):		Handed ove	er to M	IPCB a	uthorized ag	jency :	for saf	e disposal
		STP Sludge sludge):	e (Dry	7	Sludge use	as ma:	nure f	or gardening			
		Others if a	ny:		-						
		Location(s	):		Ground	Ground					
Area requirem	ent:	Area for the of waste & material:			1350 m2						
		Area for m	achin	ery:	675 m2						$\alpha$
Budgetary		Capital cos	st:		Rs. 120 Lak	khs					
(Capital co O&M cost)		O & M cos	t:		Rs. 50 Lakh	ıs/year					
,			3	7.Ef	fluent C	hare	cter	estics			
Serial Number	Paran	neters	Ur	nit	Inlet E Charect			Outlet 1 Charect			Effluent discharge standards (MPCB)
1	Not ap	plicable	No applio		Not ap	plicabl	e	Not app	plicable		Not applicable
Amount of e (CMD):	Amount of effluent generation (CMD):				icable						
Capacity of	the ETP:		Not a	pplica	ble						
Amount of trecycled:	reated efflue	ent	Not a	pplica	cable						
Amount of v	vater send to	o the CETP:	Not a	pplica	ble						
Membership	of CETP (if	frequire):	Not a	pplica	ible						
Note on ETI	e technology	to be used	Not a	pplica	able						
Disposal of	the ETP sluc	lge	Not a	pplica	ble						
			38	<b>8.H</b> a	zardous	Was	te D	etails			
Serial Number	Descr	iption	Ca	at	UOM	Exis	ting	Proposed	То	tal	Method of Disposal
1	Not app	plicable	No applio		Not Not applicable			Not applicable			Not applicable
	ζì,		3	9.St	tacks em	issio	n D	etails			
Serial Number	Section	& units	Fuel Used with Quantity			Stack No.		Height from ground level (m)	Internal diameter (m)		Temp. of Exhaust Gases
1	Not app	plicable	Not applicable		plicable	N appli		Not applicable		ot cable	Not applicable
			4(	).De	tails of F	uel	to be	e used			
Serial Number	Тур	e of Fuel			Existing			Proposed		Total	
1	Not	applicable		N	Not applicabl	.e	N	lot applicabl	е		Not applicable
41.Source o	f Fuel			Not a	pplicable					•	
42.Mode of	Transportat	ion of fuel to	site	Not a	pplicable						
										601000000	1116



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	Total RG area:	47085.07 m2
	No of trees to be cut :	0
43.Green Belt	Number of trees to be planted :	3000 Nos.
Development	List of proposed native trees :	As Mentioned Below
	Timeline for completion of plantation :	2 Years

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

	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	118 Nos.	Large tree, good for roadside plantation					
2	Albizia Lebbeck	Sirish	126 Nos.	Shady tree, yellowish green fragrant flowers					
3	Alstonia Scholaris	Saptaparn	105 Nos.	An evergreen Tree					
4	Bauhinea Purpurea	Kanchan	78 Nos.	A Pink butterfly tree					
5	Erythrina Indica	Pangara	135 Nos.	Medium sized deciduous tree. Bright scarlet flowers.					
6	Peltophorum Ferruguneum	Copper Pod Tree	105 Nos.	A Ornamental tree					
7	Cassia Fistula	Bahava	93 Nos.	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant					
8	Lagestromia Speciosa	Flos Reginae	96 Nos.	A flowering Plant					
9	Butea Monosperma	Palas, Flame of Forest	105 Nos.	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant					
10	Pongamia Pinnata	Karanj	87 Nos.	Shady tree.					
11	Milligtonia Hortensis	Indian Cork Tree	102 Nos.	An evergreen tree with white flowers					
12	Terminilia Coniata	Arjun	90 Nos.	A evergreen avenue tree					
13	Brassia Actinophylla	Umbrella Plant	99 Nos.	A large ornamental tree					
14	Mimosups Elengii	Bakul	108 Nos.	Shady tree, small white fragrant flowers					
15	Plumeria Alba	Chapha	84 Nos.	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant					
16	Bambusa Vulgaris	Golden Bamboo Verigated	81 Nos.	-					
17	Anthocephallus Cadamba	Kadamb	106	Shady, large tree, ball shaped flowers.					
18	Erythrina Indica	Pangara	99	Medium sized deciduous tree. Bright scarlet flowers.					
19	Nefium Indicun	Kanher	110	A small flowering plant					
20	Cocos Nucifera	Coconut	84	A fruit bearing tree					





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21	Lagerstroemia Flos Regineae	Tamhan	123	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers				
22	Murraya Paniculata	Kunti	90	Small tree, Fragrant white flowers, Butterfly host plant				
23	Acacia Catechu	Khair	125	A deciduous, thorny tree				
24	Aegle Marmelos	Bel	102	small to medium-sized tree with medicinal and spiritual value				
25	Alangium Salvifolium	Ankol	99	A flowering plant				
26	Mangifera Indica	Mango	102	An evergreen fruit bearing tree				
27	Syzygium Cumini	Jamun	105	A fruit bearing tree				
28	Psidium Guajava	Guava	108	A evergreen fruit bearing tree				
29	Manilkara Zapota Chiku		90	A small evergreen fruit bearing tree				
30	Annona Reticulata	Custard Apple	d Apple 45 A fruit bearing tre					
4.	5.Total quantity of plan	ts on ground						
46.Nun	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	-	-	-
		45 E	

<b>47</b>	.En	ero	IV
			<i>.</i>

	47.Energy				
	Source of power supply:	MSEDCL			
	During Construction Phase: (Demand Load)	1000 W			
	DG set as Power back-up during construction phase	500 W			
Power	During Operation phase (Connected load):	-			
requirement:	During Operation phase (Demand load):	45 MW			
	Transformer:	-			
S	DG set as Power back-up during operation phase:	8250 kVA			
	Fuel used:	HSD			
	Details of high tension line passing through the plot if any:	-			

48.Energy saving by non-conventional method:



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- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Use of AC and façade system to reduce heat gain and power consumption
- Use of low-e glass to reduce power requirement
- Large central atriums for natural cross-ventilation
- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Solar street lights will be proposed
- Energy efficient lighting fixtures (LED lights) to all buildings

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

1502 court outcurrence of 70 of Suvings							
Serial Number	Energy Conservation Measures			Saving %			
1		Total Energy Savin	g	20.5%			
50.Details of pollution control Systems							
Source	Ex	isting pollution contro	l system	Proposed to be installed			
Not applicable			Not applicable				
Budgetary allocation Capital co		Capital cost:	Rs. 1275 Lakhs				

(Capital cost and O & M cost: Rs. 60 Lakhs/y O&M cost):

# 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 (One water Tanker to spray water )		9
2	Site sanitation (Toilets)	-	13
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	5
4	Portable Water Supply to Labour Camp	-	9
5	Health check-up & first aid	-	7
6	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	15
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	4
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	5



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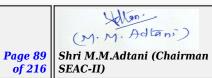
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10	Solid Waste Management & Site maintenance activity			-		7					
11	Safety - Tr Workers (' Year), Safe	Twice in	-	-					8		
12	Total	Cost	-						102		
		b	) Operati	ion Pl	hase	e (wi	th Breal	k-up)	):		
Serial Number	Compo	nent	Descr	iption		Capi	tal cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)
1	STP (Tertiary)		Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS, FC, Nitrate, Phosphate and O&G		nly, r DD, ate,	1200		240			
2	Solar Sy	ystem	Quar	terly			1275			60	
3	Solid w manage		Continuo	us 0 & 1	M		540		0	150	
4	Rainwater h	narvesting	During rainy season (cleaning of SWD, Contour trenches and filtration units before rainy season)		o, and	110		6			
5	Landso	cape	Da	ily		450		50			
6	Environi Monito		9		Jh				3		
7	Total (	Cost	-		<b>7</b>	3575			509		
51.S	torage	of che	micals	(infl sub			s)	osiv	e/haz	zardou	s/toxic
Descri	Description Status		Location	tion Capa		pacity Storage / Me		/ Mo	umption onth in MT	Source of Supply	Means of transportation
Not app	Not applicable Not applicable		Not applicable			Not Not applicable Not a		Not a	applicable Not applicable		Not applicable
	52.Any Other Information										
No Informa	No Information Available										
	53.Traffic Management										
	Nos. of the junction to the main road & design of confluence:										

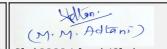






	Number and area of basement:	1 basement for hospital bldg.: 5792.54 m2
	Number and area of podia:	-
	Total Parking area:	1,83,345 m2
	Area per car:	25.4 m2
	Area per car:	25.4 m2
Parking details:	Number of 2- Wheelers as approved by competent authority:	17554 Nos.
	Number of 4- Wheelers as approved by competent authority:	5145 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tungareshwar Wildlife sanctuary: 6.8 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Case is filed against us vide no. 88/2015 before JMFC, Vasai Court for violation of EIA Notification 2006
	Other Relevant Informations	NA.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2017
	DISCUSSION	ON ENVIRONMENTAL ASPECTS
Environmental Impacts of the project	-	
Water Budget	-	
Waste Water Treatment	-	
Drainage pattern of the project	-	
Ground water parameters	-	
Solid Waste Management	-	
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Air Quality & Noise Level issues	-
<b>Energy Management</b>	-
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

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended defined in MoEF & CC notification dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018. ToR has been approved for the proposal in 62nd (Part A)SEAC-2 meeting held on 07-06-2018.

#### **DECISION OF SEAC**

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended defined in MoEF & CC notification dated 14<sup>th</sup> March 2017 & 8<sup>th</sup> March 2018. ToR has been approved for the proposal in 62nd (Part A)SEAC-2 meeting held on 07-06-2018.

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 ToRof remediation plan and natural & community resource augmentation plan.has been finalised in87<sup>th</sup> 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)

**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 SEAC-II)

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#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

#### **SEAC Meeting number:** 89 **Meeting Date** February 20, 2019

**Subject:** Environment Clearance for Industrial I. T. Building Project Viz. CTS No. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt), 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra Proposed by Vikhroli Corporate Park Pvt. Ltd.

Is a Violation Case: Yes

13 a violation case. 1es					
1.Name of Project	Vikhroli Corporate Park Pvt. Ltd.				
2.Type of institution	Private				
3.Name of Project Proponent	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.				
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.				
5.Type of project	Industrial IT Park				
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. 105, 105/1 to 38, 105/39 (pt), 105/39 (pt), 105/40-41, 105/42, 105/44 (pt) , 106, 107 of Village Hariyali, L.B.S. Marg, Vikhroli (W), Mumbai, Maharashtra				
9.Taluka	Kurla				
10.Village	Hariyali				
Correspondence Name:	Mr. Sandeep Tapadia; Vikhroli Corporate Park Pvt. Ltd.				
Room Number:	-				
Floor:					
<b>Building Name:</b>	247 Park, Tower B				
Road/Street Name:	LBS Marg				
Locality:	Vikhroli (w)				
City:	Mumbai- 400083				
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)				
	IOD dt 23.06.2006; CC dt 15.10.2006.				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: IOD dt 23.06.2006; CC dt 15.10.2006.				
	Approved Built-up Area: 173384.36				
13.Note on the initiated work (If applicable)	Total Constructed Work (FSI+ Non FSI) - Tower A: FSI: 79735 m2; Total Constructed area: 169712 m2				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD dt 23.06.2006 CC dt 15.10.2006.				
15.Total Plot Area (sq. m.)	50636 m2				
16.Deductions	6029.96 m2				
17.Net Plot area	44600 m2				
	a) FSI area (sq. m.): 83,408.18 m2				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 89,976.18 m2				
Tron-151)	c) Total BUA area (sq. m.): 173384.36				
	Approved FSI area (sq. m.): 83,408.18 m2				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 89,976.18 m2				
DOR	Date of Approval: 23-06-2006				
19.Total ground coverage (m2)	13826				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31%				
21.Estimated cost of the project	380000000				
22 N	har of buildings C its configuration				

# 22. Number of buildings & its configuration



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Serial number	Buildin	ıg Name & ı	number	Nu	imber of floors	Height of the building (Mtrs)	
1	Buildi	ng No. 1 (To	wer A)		nts+ Ground Floor + 2 diums+ 11 Floor	52.8 m	
2	Buildi	ng No. 1 (To	wer B)		ents + Ground Floor+2 liums + 14 Floor	60.5 m	
3	Buildi	ng No. 1 (To	wer C)		nts+ Ground Floor + 2 diums+ 11 Floor	52.8 m	
4	I	Building No.	2		Gr+2	12.6 m	
23.Number tenants an		building is t	the Industrial	IT Park			
24.Number expected r users		7200 nos.					
25.Tenant per hectar		-					
26.Height building(s)						-0"	
27.Right o (Width of the from the number station to the proposed has been station to the from	the road learest fire the	The proposed project site is accessible by 36.60 m wide LBS Road					
28.Turning for easy ac fire tender movement around the excluding for the pla	ccess of from all building the width	Min 9 m					
29.Existing structure (		3 Existing buildings will be demolished Gr+4, Gr+3 & Gr+1					
30.Details demolition disposal (I applicable	with	Debris Generation: 300 m3					
			31.P	roduct	tion Details		
Serial	Product		Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)	
Number		Not applicable					

Mr. Surykant Nikam (Secretary SEAC-II)

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

	Source of water	MCGM					
	Fresh water (CMD):	108 KLD					
	Recycled water - Flushing (CMD):	313 KLD					
	Recycled water - Gardening (CMD):	13 KLD					
	Swimming pool make up (Cum):	-					
Dry season:	Total Water Requirement (CMD):	324 KLD					
	Fire fighting - Underground water tank(CMD):	260 KLD					
	Fire fighting - Overhead water tank(CMD):	260 KLD					
	Excess treated water	0 KLD					
	Source of water	MCGM					
	Fresh water (CMD):	108 KLD					
	Recycled water - Flushing (CMD):	313 KLD					
	Recycled water - Gardening (CMD):	0					
	Swimming pool make up (Cum):	-					
Wet season:	Total Water Requirement (CMD)	324 KLD					
	Fire fighting - Underground water tank(CMD):	260 KLD					
	Fire fighting - Overhead water tank(CMD):	260 KLD					
	<b>Excess treated water</b>	13 KLD					
Details of Swimming pool (If any)	NA						
	33.Detail	s of Tota	l water o	consume	d		
Particula rs Con	sumption (CMD)		Loss (CMD)	)	Eí	ffluent (CM	D)
Water Require ment Existing	Proposed Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic Not applicable	Not Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
•							



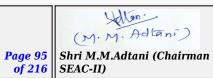


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	T 1 C-1 C					
	Level of the Ground water table:	4 to 5 m				
	Size and no of RWH tank(s) and Quantity:	four Recharge pits are provided				
	Location of the RWH tank(s):	-				
34.Rain Water Harvesting	Quantity of recharge pits:	Recharge pits are provided				
(RWH)	Size of recharge pits :	2000 MM Dia				
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh				
	Budgetary allocation (O & M cost) :	Rs. 3 Lakh/y				
	Details of UGT tanks if any:	Basement				
25.01	Natural water drainage pattern:	The natural Slope of Plot is towards east side				
35.Storm water drainage	Quantity of storm water:	5876 m3/hr				
	Size of SWD:	600 mm wide channels				
	Sewage generation in KLD:	313 KLD				
	STP technology:	MBBR Technology				
Sewage and	Capacity of STP (CMD):	Total Capacity: 400 m3				
Waste water	Location & area of the STP:	Basement				
	Budgetary allocation (Capital cost):	Rs. 150 Lakh				
	Budgetary allocation (O & M cost):	Rs. 24 Lakh/y				
		d waste Management				
Waste generation in	Waste generation:	Construction debris				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	The construction debris will be disposed as per the "Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.				
	Dry waste:	576 kg/day				
	Wet waste:	864 kg/day				
Wasta ganaration	Hazardous waste:	NA				
Waste generation in the operation Phase:	Biomedical waste (If applicable):	NA				
	STP Sludge (Dry sludge):	3 m3/d				
	Others if any:	E waste: 4.5 Ton/yr				







		Dry waste:		Dry garbag	e will be se	egregate	d & di	sposed	off to	recyclers
		Wet waste		Wet garbag	Wet garbage will be composted using Mechanical Composting system and used as organic manure for landscaping.					
Mode of 1	Dienosal	Hazardous	waste:	NA						
of waste:	การที่กรุสา		Biomedical waste (If applicable):							
STP Sludg sludge):			e (Dry	Sludge is u	sed as mar	nure for g	garden	ing		
		E waste wi	ll be given	to author	rized r	ecycler	S			
		Location(s	s):	Ground						
Area requirem	ent:	Area for the of waste & material:		40 m2						^
		Area for m	achinery	30 m2						0.7
Budgetary		Capital co	st:	Rs. 20 Lakl	1					
(Capital co O&M cost)		O & M cos	t:	Rs. 10 Lakl	n/year					
			37.1	Effluent C	harecte	erestic	S		9	
Serial Number	Paran	neters	Unit		Effluent terestics			Effluen erestic	_	Effluent discharge standards (MPCB)
1	Not app	plicable	Not applicab	e Not ap	plicable	N	lot app	olicable		Not applicable
Amount of e	effluent gene	eration	Not appli	cable		7				
Capacity of	the ETP:		Not appli	able						
Amount of t recycled :	reated efflue	ent	Not appli	cable						
Amount of v	vater send to	o the CETP:	Not appli	cable						
Membership			Not appli							
Note on ETI			Not appli							
Disposal of	the ETP sluc	lge	Not appli		TAT -	- · · ·				
		-	38.1	lazardous	Waste	Detail	ls			
Serial Number	Descr	iption	Cat	UOM	Existing			Tota		Method of Disposal
1	Not app	plicable	Not applicabl	Not applicable	Not applicabl	le applie		Not applica		Not applicable
	ΑÀ,		39.	Stacks em	ission l	Details	S			
Serial Number	Soction & limite		Used with lantity	I Stack No. I		Height from diameted (m)		ter	Temp. of Exhaust Gases	
1	Not app	Not applicable Not ap		pplicable	Not applicabl	le appli		Not applicable		Not applicable
			40.D	etails of I	uel to	be use	ed			
Serial Number	Тур	ype of Fuel		Existing		Prop	osed			Total
1	Not	applicable		Not applicab	le	Not app	olicable	е		Not applicable
			applicable							
42.Mode of	Transportat	ion of fuel to	site No	t applicable						
Mr. Surykai	ot Niliam	CEA	C Mooting	No: 89 Meetir	a Data, Fo	hruam	Par	20.06		y. M. Adtani)



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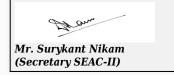
	Total RG area:	2500 m2
	No of trees to be cut :	Nil
43.Green Belt	Number of trees to be planted :	Existing trees: 383 Nos. Trees to be Planted: 78 Nos.
Development	List of proposed native trees :	As Mention Below
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia Pinnata	Karanj	12	Shady tree.
2	Acacia Auriculiformis	Acacia	17	An evergreen tree
3	Erythrina Indica	Pangara	14	Medium sized deciduous tree. Bright scarlet flowers.
4	Albiza Lebbeck	Shirish	16	Shady tree, yellowish green fragrant flowers
5	Alstonia Scholaris	Satwin	19	Shady Tree, white fragrant flowers
45	5.Total quantity of plan	its 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							
	Sila							



Idlan:

	Source of power supply:	Reliance
Power requirement:	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	8076 kW
	During Operation phase (Demand load):	4375.98 kW
	Transformer:	1. Utility Building - 2000 KVA, Make: Voltamp - 3 nos. (Property of VCPPL) 2. Tower B - 2000 KVA - 1 nos. (Property of Reliance Energy - Tenant Supply ) 3. Tower B - 1500 KVA - 1 nos. (Property of Reliance Energy - Tenant Supply ) 4. Tower C - 1500 KVA - 1 nos. (Property of Reliance Energy - Tenant Supply )
	DG set as Power back-up during operation phase:	7 x 1500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	

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

Energy conservation measures taken by using low energy consuming fixtures like, T5 lamps, LEDs in Lift, Lobby, and

Solar lighting on street and RG area, lights proposed

Controlling of lights through motion sensors and day light sensors

Use of high energy efficient pumps for fire fighting, UG tanks and STP

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

Serial Number	Energy Conservation Measures	Saving %
1	Energy conservation measures taken by using low energy consuming fixtures like, LED in Habitable area, T5 lamps, LEDs in Lift, Lobby, and Passages Solar lighting on street and RG area, lights proposed Controlling of lights through motion sensors and day light sensors Use of high energy efficient pumps for fire fighting, UG tanks and STP Total Energy Saving	20.1%

#### 50.Details of pollution control Systems

Source	Existing pollution control system			Proposed to be installed
Not applicable		Not applicable		Not applicable
Budgetary	Budgetary allocation   Capital cost:   Rs. 40 Lakh			

(Capital cost and O & M cost: Rs. 4 Lakh/y O&M cost):

# 51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):



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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	2
2	Site sanitation and Potable Water Supply to Labour	-	6
3	Environmental Monitoring	-	2
4	Health check-up & first aid	-	2
5	Safety Personal Protective Equipment	-	3
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	3
7	Disinfection	-	2

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

	п) орогия п п п п п п п п п п п п п п п п п п п								
Serial Number	Component	Description Capital cost Rs. In Lacs		Operational and Maintenance cost (Rs. in Lacs/yr)					
1	STP (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	150	24					
2	Solar System	Weekly	40	4					
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	30	3					
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	25	10					
5	Landscape	Daily	50	5					
6	Environmental Monitoring	-	-	5					
7	Total	-	295	51					

# 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**



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

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No Information Availabl		
	Г	Traffic Management
	Nos. of the junction to the main road & design of confluence:	-
	Number and area of basement:	2 basements with area of 42937.8 m2
	Number and area of podia:	2 Podiums with area of 23546.8 m2
	Total Parking area:	31,630 m2
	Area per car:	32 m2
	Area per car:	32 m2
Parking details:	Number of 2- Wheelers as approved by competent authority:	500 Nos.
	Number of 4- Wheelers as approved by competent authority:	965 Nos.
	Public Transport:	
	Width of all Internal roads (m):	min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 2.47 km
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
5	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-07-2017
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC



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It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 66<sup>th</sup>SEAC-2 meeting held on 18-08-2018.

#### **DECISION OF SEAC**

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 66<sup>th</sup>SEAC-2 meeting held on 18-08-2018.

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 in 87th SEAC-2 meeting held on 7/02/2019 committee 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)

**Specific Conditions by SEAC:** 

#### FINAL RECOMMENDATION

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



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(M. M. Adlani)
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SEAC-II)

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#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

**SEAC Meeting number:** 89 **Meeting Date** February 20, 2019

Subject: Environment Clearance for Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Coop Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti - Sion, Mumbai.

**Is a Violation Case:** No

1.Name of Project	Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Co-op Hsg.				
	Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti - Sion, Mumbai.				
2.Type of institution	Private				
3.Name of Project Proponent	M/s. S. B. Developers				
4.Name of Consultant	M/s. Fine Envirotech Engineers				
5.Type of project	MHADA Redevelopment Project.				
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable				
8.Location of the project	Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti - Sion, Mumbai.				
9.Taluka	Sion				
10.Village	Not applicable				
11.Area of the project	Municipal Corporation of Greater Mumbai				
	IOD obtained				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: IOD Approval Number - Composite building-CE/4440/BPES/AL and Sale building - CE/4460/BPES/AL				
	Approved Built-up Area: 41737.96				
13.Note on the initiated work (If applicable)	Footings and foundation work of Composite Building no-2 is in progress.				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA NOC: NO.CO MB/REE/NOC/F-569/887/2014 Dated 01/08/2014.				
15.Total Plot Area (sq. m.)	10305.67 sq.mt.				
16.Deductions	165.06 sq.mt.				
17.Net Plot area	10140.61 sq.mt.				
40 ( ) D	<b>a) FSI area (sq. m.):</b> 41737.96 sq.mt.				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 25727.28 sq.mt.				
	c) Total BUA area (sq. m.): 67465.24 sq.mt.				
	Approved FSI area (sq. m.):				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):				
	Date of Approval:				
19.Total ground coverage (m2)	3850.56 sq.mt.				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.49 %				
21.Estimated cost of the project	1614500000				

# 22. Number of buildings & its configuration

Serial number	Building Name & number	ilding Name & number Number of floors			
1	Sale Building No 1 - Wing A, B,C,D,E & F	Stilt + 2 Podium + 3rd to 18th Residential Floors	68.05		
2	Composite Building No 2 - Wing G, H, I, J, K ,L & M	Stilt + 2 Podiums + 3rd to 16th (pt) Residential Floors	54.25		



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23.Number tenants an		Total Tenen	nents - 591 r	nos. (Sale Buil	ding (No.1) - 310 nos. and	d Composite Building (No.2) - 281		
24.Number expected rusers		Total Resident 1405 nos.]	otal Residents - 2955 nos. [Sale Building (No.1) - 1550 nos. and Composite Building (No.2) - 405 nos.]					
25.Tenant per hectar		616.16 Ten	16.16 Tenements per Hectare					
26.Height building(s)								
27.Right of (Width of the from the notation to the proposed has been station to the from the from the from the notation to the from the fr	the road earest fire the	24.40 m Ro	24.40 m Road					
28. Turning for easy active tender movement around the excluding for the pla	from all building the width	9 m						
29.Existing structure (		Demolished	with permis	ssion				
30.Details demolition disposal (I applicable)	with f	Waste will l	oe disposed	off as per rules and debris management plan given by MCGM				
			31.F	roducti	on Details			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not app	plicable	Not ap	plicable	Not applicable	Not applicable		
		3	2.Tota	l Water	Requirement			
		Source of	water	MCGM / Rec	ycled Water			
		Fresh water	er (CMD):	285				
		Recycled w Flushing (		157				
		Recycled w Gardening		10				
		Swimming make up (		10 (One time)				
Dry season		Total Wate Requirement		452				
		Fire fighting - Underground water tank(CMD):		500 Cum for Sale Building (No.1) and 600 Cum for Composite Buildings (No.2)				
		Undergrou	ınd water		Sale building (No.1) and	ooo oum for composite bunuings		
		Undergrou	ind water ): ng - water	(No.2)		210 Cum for Composite Buildings		
		Undergroutank(CMD  Fire fightin Overhead tank(CMD	ind water ): ng - water	(No.2) 180 Cum for				





		Source of		MCGM / Recycled Water						
		Fresh water	er (CMD):	285						
			Recycled water - Flushing (CMD):							
			0							
Swimming pool make up (Cum):			10 (One tim	ne)						
Wet season	n:	Total Wate Requireme		442						
		Fire fighting Undergroutank(CMD)	ınd water	500 Cum fo (No.2)	r Sale Buildi	ing (No.1) an	ıd 600 Cum f	For Composit	e Buildings	
		Fire fighting Overhead tank(CMD	water	180 Cum fo (No.2)	r Sale Buildi	ing (No.1) an	id 210 Cum f	or Composit	e Buildings	
		Excess trea	ated water	145						
Details of pool (If an		Dimension	of Swimming	J Pool - 21.79	9 m x 5.10 m					
33.Details of Total water consumed										
		U	J.Detan	S OI IULA	ii watei t	Olisulic	u			
Particula rs	Cons	sumption (C			Loss (CMD)			fluent (CM	D)	
	Cons							fluent (CM	D) Total	
rs Water Require		sumption (C	CMD)		Proposed  Not	0	Ef			
Water Require ment  Domestic	Existing  Not applicable	Proposed  Not	Total  Not applicable	Existing  Not applicable	Proposed  Not	Total Not	Existing  Not	<b>Proposed</b> Not	<b>Total</b> Not	



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	Level of the Ground water table:	1m and 3m					
	Size and no of RWH tank(s) and Quantity:	1 No. of RWH tank of capacity 40 cum for Sale building (No.1) and 1 No. of RWH tank of capacity 30 cum for Composite building (No.2)					
	Location of the RWH tank(s):	Below Ground					
	Quantity of recharge pits:	Not applicale					
	Size of recharge pits :	Not applicable					
34.Rain Water Harvesting	Budgetary allocation (Capital cost) :	Rs. 20 Lakhs					
(RWH)	Budgetary allocation (O & M cost) :	Rs. 2 Lakhs					
	Details of UGT tanks if any :	Sale Building No. 1  • Domestic UG tank capacity - 170 cum  • Flushing UG tank capacity - 90 cum  • Fire UG tank capacity - 500 cum  • Rain water UG tank capacity - 40 cum  Composite Building No. 2  • Domestic UG tank capacity - 140 cum  • Flushing UG tank capacity - 70 cum  • Fire UG tank capacity - 600 cum  • Rain water UG tank capacity - 30 cum					
	Natural water drainage pattern:	With open Channels, with grating					
35.Storm water drainage	Quantity of storm water:	0.211 m cum/sec					
	Size of SWD:	400 mm wide					
	Sewage generation in KLD:	355					
	STP technology:	MBBR Technology (Moving Media Bio Reactor)					
Sewage and	Capacity of STP (CMD):	1 STP of capacity 195 KLD for Sale Building (No.1) and 1 STP of capacity 165 KLD for Composite Building (No.2)					
Waste water	Location & area of the STP:	$ \begin{array}{c} \hbox{Location: Below Ground , Area of STP of Sale Building (No.1) - 153.64} \\ \hbox{sq.mt and area of STP of Composite Building (No.2) - 130.77 sq.mt.} \end{array} $					
	Budgetary allocation (Capital cost):	Rs. 174 Lakhs					
9.	Budgetary allocation (O & M cost):	Rs. 10 Lakhs					
	36.Solid waste Management						
Waste generation in	Waste generation:	Debris material					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Debris material will be used for backfilling and leveling. Other will be disposed off as per rules and debris management.					
	Dry waste:	591 Kg/day					
	Wet waste:	887 Kg/day					
Waste generation	Hazardous waste:	Not applicable					
in the operation Phase:	Biomedical waste (If applicable):	Not applicable					
	STP Sludge (Dry sludge):	53 Kg/day					
	Others if any:	Not applicable					

	Dry waste:		Wastes will	be ha	nded o	over to autho	rized a	agency	7
	Wet waste:		Wastes will be composting						
	Hazardous		Not applica		1 - 2 32	5			
Mode of Disposal of waste:	Piemodical waste (If		Not applica						
	STP Sludge sludge):	e (Dry	Will be use	d as m	anure				
	Others if a	ny:	Not applica	ble					
	Location(s	):	Ground						
Area requirement:	Area for the of waste & material:		100 sq.mt.						
	Area for m	achinery:	6 sq.mt.						
<b>Budgetary allocation</b>	Capital cos	st:	Rs. 22 Lakh	ıs					
(Capital cost and O&M cost):	O & M cost	t:	Rs. 2 Lakhs	3					3
		37.Ef	fluent C	hare	cter	estics		17	
Serial Number Paran	neters	Unit	Inlet E Charect		-	Outlet l Charect			Effluent discharge standards (MPCB)
1 Not app	plicable	Not applicable	Not ap	plicabl	e	Not app	plicabl	е	Not applicable
Amount of effluent gene (CMD):	ration	Not applica	cable						
Capacity of the ETP:		Not applica	able	le					
Amount of treated efflue recycled:	ent	Not applica	able						
Amount of water send to	the CETP:	Not applica	cable						
Membership of CETP (if	require):	Not applica	able						
Note on ETP technology	to be used	Not applica	able						
Disposal of the ETP slud	lge	Not applica	able						
		38.Ha	zardous	Was	te D	etails			
Serial Number Descri	iption	Cat	UOM	Exis	ting	Proposed	To	tal	Method of Disposal
1 Not app	olicable	Not applicable	Not applicable	No appli		Not applicable	No applio		Not applicable
	77	39.St	tacks em	issio	n De	etails			
Serial Number Section	& units		sed with ntity	Stacl	κ No.	Height from ground level (m)	Inte diam (n	eter	Temp. of Exhaust Gases
1 Not app	olicable	Not ap	plicable	No applie		Not applicable	No applio		Not applicable
		40.De	tails of <b>F</b>	uel	to be	used			
Serial Number Typ	e of Fuel		Existing			Proposed			Total
1 Not	applicable	1	Not applicabl	e	N	lot applicabl	e		Not applicable
41.Source of Fuel		Not a	applicable						
42.Mode of Transportati	ion of fuel to	site Not a	applicable						



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	Total RG area:	$1322.75 \ \text{sq.mt.}$ (RG on the Ground - $827.75 \ \text{sq.mt}$ and RG on the Podium - $495 \ \text{sq.mt})$
	No of trees to be cut :	12
43.Green Belt Development	Number of trees to be planted :	117 nos.
Development	List of proposed native trees :	Neem, Bhava, Shirish, Kunti, Kadamb, Sita Ashoka, Apta, Fish tail palm, Mango
	Timeline for completion of plantation :	3 Years

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

	11vaiiibei aire	i fist of trees spe	cies to be planted	a ili tile ground
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Caryota urens	Fish tail palm	8	Tall evergreen tree
2	Azadirachta indica	Neem	10	Large tree, good for roadside plantation
3	Cassia fistula	Bhava	12	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
4	Albizia lebbeck	Shirish	14	Shady tree, yellowish green fragrant flowers
5	Murraya paniculata	Kunti	9	Small tree, Fragrant white flowers, Butterfly host plant
6	Anthocephalus cadamba	Kadamb	17	Shady tree, large deciduous tree, fast growing graceful tree, ball shaped flowers
7	Saraca asoka	Sita Ashok	34	Shady tree with red yellow flowers
8	Mangifera indica	Mango	5	Fruits bearing tree
9	Bauhinia racemosa	Apta	8	Small tree with small white flowers, butterfly host plant
45	5.Total quantity of plan	nts 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			





	Source of power supply :	M/s. Reliance Energy
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	150 KW
	During Operation phase (Connected load):	10378 KW
Power requirement:	During Operation phase (Demand load):	3687 KW
	Transformer:	Sale Building (No.1) - 2 Nos. x 1500 KVA and Composite Building (No.2) - 2 Nos. x 1000 KVA
	DG set as Power back-up during operation phase:	1 No. of DG set of capacity 825 KVA for Sale Building (No.1) and 1 No. of DG set of capacity 630 KVA for Composite Building (No.2)
	Fuel used:	Diesel (HSD)
	Details of high tension line passing through the plot if any:	Not applicable

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

- All lifts and pumps are proposed on VFD drives which results in 20% saving in consumption.
- All internal common area lighting are proposed to work on high energy efficient lamps (CFL) as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/m2 but still achieving the required 200LUX for ambient lighting

  • 20% of the external lighting is proposed on solar. These are set of lighting which are placed at critical junction

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

Serial Number	<b>Energy Conservation Measures</b>	Saving %
1	External lighting on solar	S- 9636 KWH ,C-9636 KWH
2	Lifts will be with VFD drives and soft starters,	S- 169703 KWH ,C-197987KWH
3	Common Area Lighting Load	S- 50129 WH ,C-50129 KWH
4	Ventilation & Exhaust Fan Load	S- 40517 KWH ,C-39988 KWH

#### 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	Capital cost:	Rs. 53 Lakhs
	O & M cost:	Rs. 2 Lakhs

# 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental Monitoring	Air, Noise, Water, Biological	3



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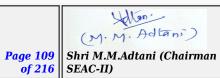
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2	Wast	Facility and e Water agement	e Water Waste wa						3		
3		d Waste agement	Wa	ıste					2		
4		ional Health safety	Medical Ch & First	eckup, F Aid Kit	PPE				5		
b) Operation Phase (with Break-up):											
Serial Number	Com	ponent	Descr	iption		Capi	tal cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)
1		Treatment Plant	1 STP of ca KLD and 1 KI				174			10	
2		er Harvestin østem				20		2			
3		d Waste agement		OWC, Manpower, Colored Dustbins etc			2				
4		en Belt lopment	sq.mt	RG area -1322.75 sq.mt, Tree plantation-117 nos.		18		2			
5		y Saving asures				53		2			
6	Air Exhau	sting Systen	n			50				2	
7	Ι	OMP				348.43		11.1			
51.S	torage	e of ch	emicals	(infl	an	abl	e/expl	osiv	e/haz	zardou	s/toxic
				sub	sta	nce	es)				
Description Sta		Status	Location	Location		orage Storage at any point of time in MT		/ <b>M</b> o	umption onth in MT	Source of Supply	Means of transportation
Not app	Not applicable Not applicable Not applicable			Not icable	Not applicable	Not a	pplicable	Not applicable	Not applicable		
			52.A	ny Ot	her	Info	rmation	L			
No Informa	tion Availa	ble									
	5		53.	Traffi	c M	lanag	gement				
	Nos. of the jurto the main rodesign of confluence:			1 no.							





	Number and area of basement:	Not applicable					
	Number and area of podia:	Sale Building (No. 1) - 2 nos podiums with area 3520.86 sq.mt and Composite Building (No. 2) - 2 nos podiums with area 2634.92 sq.mt					
	Total Parking area:	10532.01 sq.mt					
	Area per car:	Podium -34.86 sq.mt. and Ground - 28.20 sq.mt.					
	Area per car:	Podium -34.86 sq.mt. and Ground - 28.20 sq.mt.					
	Number of 2-						
Parking details:	Wheelers as approved by	156 nos.					
raiking details:	competent	130 1105.					
	authority:						
	Number of 4- Wheelers as						
	approved by	545 nos.					
	competent						
	authority: Public Transport:	Not applicable					
	Width of all Internal	Not applicable					
	roads (m):	12.20 m					
	CRZ/ RRZ clearance obtain, if any:	Not applicable					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable					
	Category as per schedule of EIA Notification sheet	8 a (B2) category					
	Court cases pending if any	Not applicable					
	Other Relevant Informations	Not applicable					
	Have you previously submitted Application online	Yes					
	on MOEF Website.						
^ \	Date of online submission	21-11-2016					
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	-						
		Win'-					



Air Quality & Noise Level issues	-
<b>Energy Management</b>	-
Traffic circulation system and risk assessment	-
<b>Landscape Plan</b>	-
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 & Environment Consultant were present during the meeting. Letter dated 5<sup>th</sup> January, 2019 submitted by PP was taken on record. As per letter it is noted that, the proposal was appraised by SEAC-2 for total built up area 67,465.24 Sq.mt & recommended to SEIAA in its 50<sup>th</sup> meeting held on 19/9/0216. PP further stated that, they have applied to SEIAA through online portal, but the application goes to SEAC-2. It is noted that, the proposal was listed in 57<sup>th</sup> & 76<sup>th</sup> meeting of SEAC-2 held on 16/3/2018 & 26/10/2018 respectively, wherein PP remain absent. PP clarified regarding their absence in the said meetings that as then SEAC-2 recommended their proposal, there is no need to remain present. PP uploaded all necessary documents & requested to transfer the proposal to SEIAA for further appraisal.

Considering this, Committee decided to transfer the said proposal to SEIAA for further needful after verifying the documents.

#### DECISION OF SEAC

Considering this, Committee decided to transfer the said proposal to SEIAA for further needful after verifying the documents.

**Specific Conditions by SEAC:** 

## FINAL RECOMMENDATION

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



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

## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

 $\textbf{Subject:} \ \, \textbf{Environment Clearance for Giriraj Heights - SRD project at Plot bearing Tika no. 15 C.T.S. NO - 37, 38, Tikka no. 18 C.T.S.No. - 75(pt.), 76 & 80 at Hariniwas village - Naupada , Taluka - Thane , Dist. - Thane by M/s Yash Developers \\ \ \, \textbf{Months of the Months of Months of the Months of Months of the Months of Months of the Mo$ 

Is a Violation Case: Yes

Is a Violation Case: Yes					
1.Name of Project	Giriraj Heights - SRD project at Plot bearing Tika no. 15 C.T.S. NO - 37, 38, Tikka no. 18 C.T.S.No 75(pt.), 76 & 80 at Hariniwas village - Naupada , Taluka - Thane , Dist Thane by M/s Yash Developers				
2.Type of institution	TOR				
3.Name of Project Proponent	M/s Yash Developers				
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.				
5.Type of project	(SRD project ) Residential cum Commercial 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 bearing Tika no. 15 C.T.S. NO - 37, 38, Tikka no. 18 C.T.S.No 75(pt.), 76 & 80 at Hariniwas village - Naupada , Taluka - Thane , Dist. – Thane				
9.Taluka	Thane				
10.Village	Naupada				
<b>Correspondence Name:</b>	M/s Yash Developers				
Room Number:	-				
Floor:	1st floor				
<b>Building Name:</b>	Aajikrupa building				
Road/Street Name:	Harinaiwas circle				
Locality:	Naupada thane				
City:	Thane				
11.Area of the project	Thane Municipal Corporation				
	IOD received				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Approved Plan No. TMC/TDD/725 V.P. No. 2005/112 dated 15.02.2010- TYPE BLDG. H , 10) Approved Plans (1/3) V.P. No. 2005/112 TMC/TDD/222 dated 10.12.2013- TYPE BLDG. J				
	Approved Built-up Area: 39002				
13.Note on the initiated work (If applicable)	This project is a slum rehabilitation project for which the construction started on site as per the LOI received dated 07.05.2005. (Rehab bldg A, B,C, D, E, F, G -Gr.+1st to 8th Floor, Sale bldg H-1B+St+1P+26UP.), Sale bldg J-1B+Gr + 6th FLR.)				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Letter of Intent No. SRS/TMC/TDDfi573 dated 07.05.2005				
15.Total Plot Area (sq. m.)	10257.84				
16.Deductions	492.09				
17.Net Plot area	8837.99				
10 (1) Province I Province A (753 C	a) FSI area (sq. m.): 23174.21				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 15828.23				
/	c) Total BUA area (sq. m.): 39002.44				
10 (b) A	Approved FSI area (sq. m.): 23174.21				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 15828.23				
	Date of Approval: 10-12-2013				
19.Total ground coverage (m2)	2430.53				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28%				



Allen:

21.Estimate	d cost of the	project	790000000				
	2	2.Numl	er of bu	ıilding	js & its con	figurat	ion
Serial number	Buildin	ng Name & n	umber	Number of floors I			t of the building (Mtrs)
1	Rehab b	ldg A, B,C, D	, E, F, G	Gr.+	1st to 8th Floor		24.99 m
2		Sale bldg H		1B+	St+1P+26UP.)		81.91 m
3		Sale bldg J		1B+	Gr + 6th FLR.		22.90 m
23.Number tenants an		504 nos.					
24.Number expected rusers		2688 nos.					
25.Tenant per hectar		524 Tenants	/ hector				
26.Height building(s)							
station to	the road earest fire						
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation							
29.Existing structure (		Rehab bldg 1B+Gr + 6t		, G -Gr.+1s	t to 8th Floor,Sale l	oldg H-1B+St	+1P+26UP.), Sale bldg J-
30.Details of the demolition with disposal (If applicable)  slums demolished as per approvals received							
		-	31.Pr	oducti	on Details		
Serial Number	Pro	duct	Existing (N	MT/M)	Proposed (MT/M	()	Total (MT/M)
1	1 Not applicable Not app			cable	Not applicable		Not applicable

Mr. Surykant Nikam (Secretary SEAC-II)

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	Source of water	TMC / STP Treated water						
	Fresh water (CMD):	231						
	Recycled water - Flushing (CMD):	124	124					
	Recycled water - Gardening (CMD):	8						
	Swimming pool make up (Cum):	-						
Dry season:	Total Water Requirement (CMD)	355						
	Fire fighting - Underground water tank(CMD):	150						
	Fire fighting - Overhead water tank(CMD):	60	60					
	Excess treated water	169						
	Source of water		Treated wate	er				
	Fresh water (CMD):	231						
	Recycled water - Flushing (CMD):	124						
	Recycled water - Gardening (CMD):	0						
	Swimming pool make up (Cum):							
Wet season:	Total Water Requirement (CMD)	347						
	Fire fighting - Underground water tank(CMD):	150	150					
	Fire fighting - Overhead water tank(CMD):	60						
	<b>Excess treated water</b>	177						
Details of Swimming pool (If any)	NA							
	33.Detail	s of Tota	l water c	onsume	d			
Particula cons	sumption (CMD)		Loss (CMD)	)	Ef	fluent (CM	D)	
Water Require ment Existing	Proposed Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic Not applicable	Not Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	





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SEAC-II)

	Level of the Ground water table:	2-3 M			
	Size and no of RWH tank(s) and Quantity:	4 nos of tanks having total capacity of 115 cu.m			
	Location of the RWH tank(s):	Ground level			
34.Rain Water	Quantity of recharge pits:	NA			
Harvesting (RWH)	Size of recharge pits :	NA			
	Budgetary allocation (Capital cost) :	Rs. 5.8 Lakh			
	Budgetary allocation (O & M cost) :	Rs. 0.3 Lakh/yr			
	Details of UGT tanks if any :	Domestic: 234 cum Flushing: 125 cum Fire UG tank: 300 cum			
	Natural water drainage pattern:	East to west			
35.Storm water drainage	Quantity of storm water:	1.5 m3/sec			
	Size of SWD:	0.45 mm x 0.30 mm			
	Г				
	Sewage generation in KLD:	325 KLD			
	STP technology:	MBBR			
Sewage and	Capacity of STP (CMD):	240 KLD & 120 KLD			
Waste water	Location & area of the STP:	Ground level			
	Budgetary allocation (Capital cost):	Rs. 51 Lakh			
	Budgetary allocation (O & M cost):	Rs. 10.20 Lakh			
	36.Solid	d waste Management			
Waste generation in	Waste generation:	Construction debris like soil, bricks, tiles will recycled and utilized on same site for filling			
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	• 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			
	Dry waste:	534 kg/day			
	Wet waste:	771 kg/day			
	Hazardous waste:	NA NA			
Waste generation in the operation	Biomedical waste (If applicable):	NA NA			
Phase:	STP Sludge (Dry sludge):	20 kg/day			
		NA			
	Others if any:	NA			
	11				



Dry waste:				Will be hand over to Local Recyclers for recycling.						
		Wet waste		Will be pro	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users					
Mode of	Disposal	Hazardous	waste:	NA						
of waste:	_	Biomedica applicable	•	NA						
		STP Sludg sludge):	e (Dry	will be han	ded ove	r to N	APCB author	ized recycle	r.	
		Others if a	ny:	E- waste to	be han	ded o	ver to autho	rized dealer	S	
		Location(s	):	Ground lev	el					
Area requirem	ent:	Area for the of waste & material:		30						
		Area for m	achinery:	3					95	
Budgetary		Capital cos	st:	Rs. 8 lakhs					<b>&gt;</b>	
(Capital co O&M cost)		O & M cos	t:	Rs. 0.8 lakh	ıs/yr					
			37.E	fluent C	harec	ter	estics			
Serial Number	Paran	neters	Unit	Inlet E Charect			Outlet Effluent Charecterestics		Effluent discharge standards (MPCB)	
1	Not ap	plicable	Not applicable	Not applicable		Not applicable		Not applicable		
Amount of e (CMD):	effluent gene	eration	Not applica	applicable						
Capacity of the ETP: Not applicable										
Amount of t recycled :	reated efflue	ent	Not applica	cable						
	vater send to		Not applica							
	p of CETP (if		Not applica							
	P technology		Not applica							
Disposal of	the ETP sluc	lge	Not applica				- 47			
			38.Ha	azardous	Wasi	te D	etails		T	
Serial Number	Descr	iption	Cat	UOM	Exist	J	Proposed	Total	Method of Disposal	
1	Not app	plicable	Not applicable	Not applicable	No applic	able	Not applicable	Not applicable	Not applicable	
			39.S	tacks em	issio	n De	etails			
Serial Number	Section	& units		sed with ntity	Stack	No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not app	plicable	Not ap	plicable	No applic	-	Not applicable	Not applicable	Not applicable	
			40.De	tails of I	uel t	o be	e used			
Serial Number	Тур	e of Fuel		Existing		Proposed			Total	
1	Not	applicable	]	Not applicabl	Tot applicable Not applicable Not applicable					
41.Source	f Fuel		Not a	applicable	•			•		



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42.Mode of Transportation of fuel to site Not applicable								
43.Green Belt		Total RG a	rea :	1413.43 Sq	.mt			
		No of trees to be cut: Number of trees to be planted:		as per NOC received				
				71 nos				
Develop	Development		List of proposed native trees :		as listed below			
		Timeline for completion of plantation :		at the end of construction phase				
	44.Nu	mber and	l list of t	rees spe	cies to be planto	ed in the ground		
Serial Number	Name of	of the plant Commo		n Name	Quantity	Characteristics & ecological importance		
1	Albizia	saman	Rain	Tree	10	flowering plant		
2.	Нуор	yophorbe Bottle		Palm	7	shady plant		

Bottle Palm

Almond

Chafa

Neem

Karanj

Bahava

Saptaparni

45. Total quantity of plants on ground

lagenicaulis Terminalia catappa

Plumeria obtusa

Azadirecta indica

Millettia pinnata

Cassia fistula

Alstonia scholaris

2

3

4

5

6

7

8

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

12

10

8

11

9

4

			_							
Serial Number	Name	C/C Distance	Area m2							
1	-	-	-							
	47.Energy									



Sallan!

shady plant

fruiting tree

flowering plant

medicinal tree

evergreen tree

flowering plant

evergreen tree

	Source of power supply:	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	80KVA
Dozwan	During Operation phase (Connected load):	3599 KW
Power requirement:	During Operation phase (Demand load):	2321 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	350 KVA (2 Nos.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

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

- 1. Common area lighting with CFL lamp
- 2. Use of solar PV stands alone poles with storage battery/ inverter for perimeter lighting.
- 3. Maximum use of CFL/T5 lamps for common areas of sale building.

O & M cost:

- 4. Level control switches will be installed
- 5. Group control elevators

O&M cost):

- 6. CO sensors controlled basement ventilators
- 7. Lighting conductor will be used.

## 49. Detail calculations & % of saving:

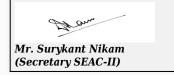
Serial Number	Energy Conservation Measures			Saving %				
1		Total energy saving	J	18%				
	50.Details of pollution control Systems							
Source	Ext	isting pollution contro	l system	Proposed to be installed				
Not applicable	Not applicable			Not applicable				
Budgetary allocation (Capital cost and		Capital cost: Rs. 66 lakhs						

# 51. Environmental Management plan Budgetary Allocation

Rs. 6 lakhs/yr

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air pollution	Water for Dust Suppression	5
2	health safety	Site Sanitation & Safety	15



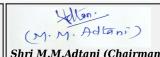
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3	Environment Monitoring		Environment Monitoring		3				
4	heal	th safety	Disinfection			10			
5	Good Hea	alth Practice	es Health Check up	)		15			
			b) Operation P	hase (w	ith Breal	k-up):			
Serial Number	Con	nponent	Description	Cap	ital cost Rs Lacs		tional and ost (Rs. in	Maintenance Lacs/yr)	
1	Water e	environment	STP		51		10.20	)	
2	Water e	environment	RWH		5.8		0.3		
3		d waste agement	OWC		8		0.8		
4	land	lscaping	landscape		3.26		1.00		
5	Energ	gy savings	solar		66		6		
<b>51.</b> S	torag	e of ch	emicals (infl sub	lamab stance	_	osive/ha	zardou	s/toxic	
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 app	Not applicable Not applicable Not applic		Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
52.Any Other Information									
No Information Available									
53.Traffic Management									

1 Nos. of the junction to the main road



Nos. of the junction to the main road &

design of confluence:

SELEC

	Number and area of basement:	334.66
	Number and area of podia:	3269.13
	Total Parking area:	-
	Area per car:	-
	Area per car:	-
Parking details:	Number of 2- Wheelers as approved by competent authority:	as per TMC DCR
	Number of 4- Wheelers as approved by competent authority:	221
	Public Transport:	NA
	Width of all Internal roads (m):	6 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi national park -3.5 km (west )
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-06-2017
	W	

# SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC

## **DECISION OF SEAC**

PP was absent; hence the project is deferred.

**Specific Conditions by SEAC:** 

## FINAL RECOMMENDATION



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SEACACIFILIDA AGGIORIANA SERVICIA SERVI

Idlan:

## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for "Ostwal Orchid" Residential Cum Commercial Project at S. No. 288/3, 5, 7, 295/2, 3, 297, 1, 2,3, 5, 6, 7, 9, 10, 12, 14, 15, 298/2, 4, 6, 7, 8, 9, 10, 11, 13 of village- Navghar, Tal & Dist-Thane by Asha Enterprises

#### Is a Violation Case: Yes

1.Name of Project	"Ostwal Orchid" Residential Cum Commercial Project					
2. Type of institution	TOR					
3.Name of Project Proponent	Mr. Umraosingh P. Ostwal-Asha Enterprises					
4.Name of Consultant	Mr. H.K. Desai, Enviro Analysts & Engineers Pvt. Ltd. B-1003, Enviro House Western Edge II, Behind Metro Mall Western Express Highway Borivali (E), Mumbai-400066. Tel: 2854 1647/48/49, • Email ID- info@eaepl.com					
5. Type of project	Residential cum Commercial 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	ot applicable					
8.Location of the project	S. No. 288/3, 5, 7, 295/2, 3, 297, 1, 2,3, 5, 6, 7, 9, 10, 12, 14, 15, 298/2, 4, 6, 7, 8, 9, 10, 11, 13 of village- Navghar, Tal &Dist-Thane					
9.Taluka	thane					
10.Village	Navghar					
Correspondence Name:	Mr. Umraosingh P. Ostwal					
Room Number:						
Floor:						
Building Name:	Ostwal House, Asha Enterprises					
Road/Street Name:	Bhayandar Road					
Locality:	Opp Shivar Garden					
City:	Mira Bhayandar, Mira Road (East) Thane 401107					
11.Area of the project	Mira- Bhayander Municipal Corporation (MBMC)					
40 700 704 10	Not Applicable					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CC wide letter No. MBMC/NR/974/2014-15					
XX · · · · · · · · · · · · · · · · · ·	Approved Built-up Area: 39073.79					
13.Note on the initiated work (If applicable)	work completed as per approvals received from time to time					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	received sanctions from MBMC-1.CC/MBMC/NR/848/2008-09, 2. CC/MBMC/NR/849/2008-09,3.CC/MBMC/NR/259/2009-10,4.CC/MBMC/NR/4189/2010-11,4.CC/MBMC/NR/986/2014-15,5.CC/MBMC/NR/974/2014-15					
15.Total Plot Area (sq. m.)	23150.00 SQ.M.					
16.Deductions	11537.83 SQ.M.					
17.Net Plot area	11612.17 SQ.M.					
40() 7 17 19 4 (707.0	a) FSI area (sq. m.): 22546,39					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 16527.40					
1011 201)	c) Total BUA area (sq. m.): 39073.79					
40.43.4	Approved FSI area (sq. m.): 22546.39					
18 (b).Approved Built up area as pe DCR	Approved Non FSI area (sq. m.): -					
20N	Date of Approval: 05-06-2015					
19.Total ground coverage (m2)	A / Y					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)						
21.Estimated cost of the project	127000000					

# 22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Bldg Wing 1 to 5	G/S+10 (Occupied)	32.95	
2	Bldg Wing 8	G/S+12 (Occupied)	38.75	
3	Bldg Wing 9-11	S + P +14	44.95	
4	Bldg Wing 12	S + P + 5	20.45	
5	Bldg Wing 12	S + P + 5	20.45	
23.Number	r of No. Of tenements: Wing	1 to 5, wing 8-278. Wing 9 to 12-23		

**23.Number of tenants and shops**No. Of tenements: Wing 1 to 5, wing 8- 278, Wing 9 to 12- 235.
No. Of Shops: 28



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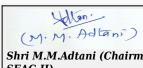
(M. M. Adtani)

Shri M.M.Adtani (Chairman

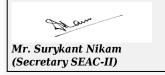
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24.Number expected reusers			esidential- Wing 1 TO 5, Wing 8 = 1390 NOS., WING 9-12 = 1175 , TOTAL = 2565; ommercial- Wing 1 TO 5, Wing 8=84 NOS.; TOTAL=2649						
25.Tenant per hectare		222 nos. /he	22 nos. /hectare						
26.Height (building(s)									
27.Right of (Width of t from the no station to t proposed b	he road earest fire he	15m wide DP Road							
28.Turning for easy act fire tender movement around the excluding t for the plan	cess of from all building the width	Min 7.5 m	Min 7.5 m						
29.Existing structure (		construction	n is complete	ed for all bui	ldings	00			
30.Details of the demolition with disposal (If applicable)  Not Applicable									
			31.P	roduct	tion Details				
Serial Number	Pro	duct	Existing	(MT/M) Proposed (MT/M) Total		Total (MT/M)			
1	Not app			plicable Not applicable Not applicable					
					r Requiremen	t			
		Source of		MBMC					
		Fresh water		Wing 1 to 5	8 = 127  Wing  9  to	12=106 Total = 233			
		Recycled w Flushing (		Wing 1 to 5, wing 8 = 66 Wing 9 to 12=52 Total = 118					
		Recycled v Gardening		Wing 1 to 5, wing 8 = 11 Wing 9 to 12=06 Total = 17					
		Swimming make up (		-					
Dry season:		Total Wate Requirement		Wing 1 to 5, wing 8 = 204 Wing 9 to 12=164 Total = 368					
	2,	Fire fighting Undergrout tank(CMD)	nd water	75Cum eac	h wing				
			ng - water ):	25 cum eac	sh wing				
		Excess trea	ated water	Wing 9 to 1	2=75				





		0 (		MDMO . D							
		Source of		MBMC + Rain water  Wing 1 to 5, wing 8 - 127 Wing 9 to 12-106 Total - 233							
		Recycled	ter (CMD):	Wing 1 to 5, wing 8 = 127 Wing 9 to 12=106 Total = 233							
		Flushing	(CMD):	Wing 1 to 5, wing 8 = 66 Wing 9 to 12=52 Total = 118							
			Recycled water - Gardening (CMD):								
		Swimmin make up		-							
Wet season	n:	Total Wat Requirem	er ent (CMD)	Wing 1 to 5	, wing 8 = 1	93 Wing 9 to	12=158 To	tal = 351			
		Fire fight Undergro tank(CMI	und water	75Cum eac	h wing						
		Fire fight Overhead tank(CMI	water	25 cum eac	h wing						
		Excess tro	eated water	Wing 9 to 1	2=81						
Details of pool (If an		-									
			33.Detail	s of Tota	l water o	consume	d				
Particula rs	Cons	sumption (	CMD)	:	Loss (CMD)		Ei	ffluent (CM)	D)		
Water Require ment	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		
	applicable	applicable	applicable	applicable	applicable	appirounic	applicable	applicable	appiioabio		
		Level of the Ground water table:		Up to 3 m							
		Size and no of RWH tank(s) and Quantity:		04 Nos. (67 cum- 2 days storage )							
		Location of the RWH tank(s):		below Ground level							
34.Rain V Harvestii		Quantity pits:	of recharge	-							
(RWH)		Size of re	charge pits	-							
	5	Budgetar (Capital o	y allocation ost) :	Rs. 3.00 Lakhs							
		Budgetar (O & M co	y allocation ost) :	Rs. 0.20 Lakhs							
Details of UGT tanks if any:		Location(s) of the UGT Tank(s): Underground									
25 Ct	, woton	Natural w drainage		South to No	orth						
35.Storm drainage		Quantity water:	of storm	Total actual Discharge 0.193 0.184 Based on 2 nos. of outlets 0.10 0.09 Total design discharge 0.15 0.15							
		Size of SV	VD:	Breadth of	the SWD: 0.4	45 m Depth o	of the SWD:	0.30 m			
Mr. Survkant Nikam SEAC Meetina N				o: 89 Meetin	a Dato: Fohy	Page 1		M. M. Adt			





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Sewage g in KLD:		Sewage ge in KLD:	neration	148 ( wing 9-12)				
		STP techn	ology:	MBBR				
Sewage and		Capacity o (CMD):	f STP	150 KLD-(wing 9-12)				
Waste w		Location & the STP:	area of	at ground level				
		Budgetary (Capital co	allocation ost):	Rs.39.00 Lakhs				
		Budgetary (O & M co	allocation st):	Rs. 6.00Lakhs				
		7	36.Soli	d waste Manag	gement			
Waste gen		Waste gen	eration:	Debris & excavated mat norms by MBMC.	erial generated will be d	lisposed as per the		
the Pre Cor and Constr phase:		Disposal o constructi debris:		Debris to be disposed as	per MBMC debris man	agement plan.		
		Dry waste:		518Kg/Day				
		Wet waste	•	776Kg/day				
Waste ge	neration	Hazardous	waste:	Not applicable				
in the ope Phase:		Biomedical waste (If applicable):		Not applicable				
I iido.		STP Sludg sludge):	e (Dry	20kg/day				
		Others if a	n <b>n</b> y:	-				
		Dry waste:		To be managed through recyclers.				
		Wet waste	:	To be processed in the Cobtained will be used for		r and manure so		
Mode of 1	Disnosal	Hazardous	waste:	Not applicable				
of waste:	- 10p 00u-1	Biomedical waste (If applicable):		Not applicable				
		STP Sludge (Dry sludge):		To be used as manure.				
		Others if a		-				
	1	Location(s	s):	at ground level				
Area requirem	ent:	Area for the of waste & material:		68 sq.m.				
	2	Area for m	achinery:	3 sq.m. each				
Budgetary		Capital co	st:	Rs. 19.00 Lakhs				
(Capital co O&M cost)		O & M cos	t:	Rs. 3.00 Lakhs				
		ļ.	37.Ef	fluent Charectere	estics			
Serial Number	Serial Parameters Unit			Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1 Not applicable No		Not applicable	Not applicable	Not applicable	Not applicable			
Amount of effluent generation (CMD):		ıble		!				
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Capacity of	the ETP:	the ETP: Not applicable									
	treated efflue	nt	Not applicable								
-	water send to	the CETP:	Not applicable								
Membershi	p of CETP (if	require):	Not a	pplica	ble						
Note on ET	P technology	to be used	Not a	pplica	ble						
Disposal of	the ETP slud	ge	Not a	pplica	ble						
			3	8.Ha	zardous	Was	ste D	etails			
Serial Number	Descri	ption	C	at	UOM	Existing		Proposed	Tot	tal	Method of Disposal
1	Not app	licable	N appli	ot cable	Not applicable		ot cable	Not applicable	No applio		Not applicable
	•		5	39.St	acks em	issi	n D	etails	•		0.7
Serial Number	Section & unite		Fu		ed with ntity	Stac	Stack No. Height from ground level (m)		Interdiam (n	eter	Temp. of Exhaust Gases
1	Not app	licable	N	lot app	olicable		ot cable	Not applicable	No applio		Not applicable
			40	0.De	tails of F	uel	to b	e used			
Serial Number	Type of Fuel			Existing			Proposed			Total	
1	Not a	applicable		Not applicable Not applicable Not applicable							
41.Source of Fuel				Not applicable							
42.Mode of	Transportation	on of fuel to	site	Not a	pplicable	$\Rightarrow$					
						<b>&gt;</b>					
		Total RG a	rea :	^							G: 3428.31 sq.m. (25%) rea = 848.88 sq.m.
		No of trees	to be cut								
43.Gree	in Deit	Number of be planted							227nos.		
Develop		List of pro native tree		posed as helow							
	~ 7	Timeline for completion plantation	ı of		1						
	44.Nun	nber and	l list	of t	rees spe	cies	to b	e plante	d in t	the g	ground
Serial Number	Name of	the plant		Com	mon Name		Qu	ıantity	Cl	aract	teristics & ecological importance
1	Anthocepha	ılluscadamba	a	K	adamb			10			shaded
2	Alstonia	scholaris			Satwin			10			shaded
3		pselengi	i		Bakul			12			flowering
4		liacattapa			nond tree			8			fruiting
5		renigera			ssia Sps			10			shaded
6		cordifolia			Kadam			8		shaded	
7		lebbeca	a to		Shirish			8			shaded
8	Tabernaemon	ıtanadıvarıca	ald		Tagar			12			flowering



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9	Micheliachampaca	Sonchafa	12	flowering
10	Polyalthialogifolia	Asupalav	12	noise reduction
11	Callistemon sps	Australian Bottle Brush	10	shaded
12	Grevillearobusta	Silver oak	10	shaded
13	Azadirachtaindica	Neem	8	shaded
14	Ficus panda	Ficus tree	8	shaded
15	Caryotaurens	Fish Tail Palm	10	ornamental
16	Roystonearegia	Royal Palm	10	ornamental
17	Bombaxceiba	Silk cotton tree	11	shaded
18	Millingtoniahortensis Indian Cork Tree		8	shaded
	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	Bougainvillea spectabilis	-	10 nos.		
2	Hibiscus rosa-sinensis	-	10 nos.		
3	Gloriosasuperba	-	10 nos.		
4	Woodfordiafruticosa	-	10nos.		
5	Teconastans		10nos.		

# 47.Energy

		47.Lifetgy
	Source of power supply:	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
Downer	During Operation phase (Connected load):	1365 KW
Power requirement:	During Operation phase (Demand load):	840 KW
^	Transformer:	
C	DG set as Power back-up during operation phase:	1 X 250 KVA, 1 X 125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

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

- 1. common area lighting -raod /landscape- 60% on solar 2. parking = T5 lights
- 3.LED lights
- 4. Regenerative lifts
- 5.solar hot water system



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#### 49. Detail calculations & % of saving: Serial **Energy Conservation Measures** Saving % Number 1 24.9 % as above 50.Details of pollution control Systems Source **Existing pollution control system** Proposed to be installed Not Not applicable Not applicable applicable **Budgetary allocation Capital cost:** Rs.28.00 Lakhs (Capital cost and O & M cost: Rs. 2.00 Lakhs O&M cost): 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	WATER FOR DUST SUPRESSION	2.5
2	HEALTH SAFETY	SITE SANITATION	2.5
3	ENVIRONMENTAL MONITORING	ENVIRONMENTAL MONITORING	15
4	HEALTH SAFETY	DISINFECTION	3
5	GOOD HEALTH PRACTICES	HEALTH CHECK UP	4

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1	WATER CONSERVATION	Rain Water Harvesting	3.00	0.2		
2	SOLID WASTE	MSW	19.00	3.0		
3	WASTE WATER	STP	39.00	6.0		
4	SOLAR SAVING	Energy Conservation	28.00	2.0		
5	GREEN BELT	Landscaping	40.00	3.0		

# 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



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	Nos. of the junction to the main road & design of confluence:	15 m wide DP Road
	Number and area of basement:	nil
	Number and area of podia:	Number and area of podia: 1Nos5262.09 sq.mtr.
	Total Parking area:	6366.28sq.m.
	Area per car:	29.95 sq.m.
	Area per car:	29.95 sq.m.
Parking details:	Number of 2- Wheelers as approved by competent authority:	
	Number of 4- Wheelers as approved by competent authority:	191 NOS.
	Public Transport:	
	Width of all Internal roads (m):	6.00 m wide internal road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi national Park = upto 4.00 km
	Category as per schedule of EIA Notification sheet	Category B, schedule 8(a)
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
2,	Date of online submission	07-07-2017

# SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67th (Day -2) SEAC-2 meeting held on 01-09-2018



#### **DECISION OF SEAC**

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67th (Day -2) SEAC-2 meeting held on 01-09-2018.

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 in 87th SEAC-2 meeting held on 7/02/2019 committee 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)

**Specific Conditions by SEAC:** 

#### FINAL RECOMMENDATION

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



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for Environmental clearance for "YASHWANT Nagar" at S.No.343, H.No. A & B (Old S.No.343,344 & 345), Village Boling, Virar (West), Tal.- Vasai, Dist.- Thane (Since Palghar), Pin.- 401303 by M/S. Ameya Builders And Property Developers

Te a	Vio	ation	Case:	Vac
15 a	VIU	lawu	Case:	169

is a violation case: 1es	
1.Name of Project	" YASHWANT Nagar" at S.No.343, H.No. A & B (Old S.No.343,344 & 345), Village Boling, Virar (West),Tal Vasai, Dist Thane (Since Palghar), Pin 401303 by M/S. Ameya Builders And Property Developers
2.Type of institution	TOR
3.Name of Project Proponent	Ameya Builders & Property Developers
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003,Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com,; info@eaepl.com
5.Type of project	Residential Cum Commercial Building
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.343, H.No. A & B (Old S.No.343,344 & 345), Village Boling, Virar (West), Tal Vasai, DistThane (Since Palghar), Pin 401303
9.Taluka	Vasai
10.Village	Bolinj
Correspondence Name:	Mr. Moreshwar K. Baria
Room Number:	1 & 2, 'A' Wing, Garden View Apartment,
Floor:	1 & 2, 'A' Wing, Garden View Apartment,
<b>Building Name:</b>	1 & 2, 'A' Wing, Garden View Apartment,
Road/Street Name:	P.P. Marg,
Locality:	Virar (West)
City:	Virar (West)
11.Area of the project	VVCMC (Vasai Virar City Municipal Corporation )
	1st cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491 and amended thereafter . latest amended c received dated 22/08/2014 vide letter no. VVCMC / TP / RDP / VP - 0147 / 0110 / 2014- 15.
12.IOD/IOA/Concession/Plan Approval Number	10D/IOA/Concession/Plan Approval Number: 1st cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491 and amended thereafter . latest amended c received dated 22/08/2014 vide letter no. VVCMC / TP / RDP / VP - 0147 / 0110 / 2014- 15.
	Approved Built-up Area: 93718
13.Note on the initiated work (If applicable)	Work has been carried out on site as per cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491.and amendment thereafter Building Nos.3,4,5,6,7,8,9,10,11,12,12A,12B,14,14A,15,16,17,21,22,Row houses, club house 1 & 2 completed. for which the total construction area is 87054.51 sqm.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1st cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491 and amended thereafter . latest amended c received dated 22/08/2014 vide letter no. VVCMC / TP / RDP / VP – 0147 / 0110 / 2014- 15.
15.Total Plot Area (sq. m.)	94,030.88
16.Deductions	17,635.43
17.Net Plot area	76,395.45
10 (a) Proposed Publication Area (FOX C	a) FSI area (sq. m.): FSI area for entire plot-93,718.25, FSI for which EC is required - 31578.79
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): NoN FSI area for entire plot- 36,246.61 , NoN FSI for which EC is required - 11331.56
	c) Total BUA area (sq. m.): 129964.86



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	Approved FSI area (sq. m.): 93,718.25				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 36,246.61				
	Date of Approval: 22-08-2014				
19.Total ground coverage (m2)	25388.34 sqm				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27 %				
21.Estimated cost of the project	130000000				
00 NT 1					

# 22. Number of buildings & its configuration

Serial number	Buildir	ng Name & number	Number of floors	Height of the building (Mtrs)					
1	R.	H. NO.14 & 15	St + 2	8.82					
2		Club house	G						
3	В	uilding 3 & 16	ST + 14	42,88					
4		Building 12B	Gr. + 7	23.84					
5		Building 23	St + 4	16.95					
23.Number of tenants and shops		Residential: 1943 nos Shops: 134 nos Row house: 15 nos		0					
24.Number	r of								

**24.Number of expected residents / users**Residential: 9715 nos Shops: 402 nos Row house: 75 nos

25.Tenant density per hectare 206 T/ha
206 Height of the

27.Right of way
(Width of the road
from the nearest fire
station to the
proposed building(s)

12.00 m wide Yashwant Nagar Road

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

building(s)

7.50 m

29.Existing structure (s) if any

Work has been carried out on site as per cc received dated 27/02/2003 vide letter no. CIDCO/VVSR/CC/BP-2762/W/4491.and amendment thereafter Building Nos.3,4,5,6,7,8,9,10,11,12,12A,12B,14,14A,15,16,17,21,22,Row houses, club house 1 & 2 completed.

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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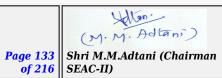


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		Source of v	water	VVCMC / tr	eated water	from STP						
		Fresh wate	er (CMD):	923 KLD								
		Recycled w Flushing (		551 KLD	551 KLD							
		Recycled w Gardening		60 KLD								
		Swimming make up (0		1								
Dry seasor	1:	Total Wate Requireme		1534 KLD								
		Fire fightin Undergroutank(CMD)	nd water	200 KL								
		Fire fightin Overhead v tank(CMD)	water	90 KL								
		Excess trea	ated water	0 KLD								
		Source of v	water	VVCMC / tr	eated water	from STP/RV	WH					
		Fresh wate	er (CMD):	923KLD								
			vater - CMD):	551 KLD								
		Recycled w Gardening		0 KLD								
		Swimming make up (0		-								
Wet season	n:	Total Wate Requireme		1474 KLD								
		Fire fightin Undergroutank(CMD)	nd water	200 KL								
		Fire fighting Overhead was tank(CMD)	water	90 KL								
		Excess trea	ated water	0 KLD								
Details of pool (If an	Swimming y)	-6										
		3	3.Details	s of Tota	l water o	consume	d					
Particula rs	Cons	sumption (C	MD)	Loss (CMD) Effluent (CMD)					D)			
Water Require ment	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			





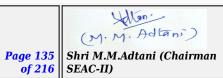


	Level of the Ground	
	water table:	4 – 5 m blg
	Size and no of RWH tank(s) and Quantity:	5 nos of tanks having total capacity of 1063 cu.m
	Location of the RWH tank(s):	Ground
34.Rain Water Harvesting (RWH)	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.78 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.9 Lakhs/annum
	Details of UGT tanks if any :	Location(s) of the UG tank(s) : Below ground level
	Natural water drainage pattern:	W to E
	Quantity of storm water:	1.553 m3/sec
	Size of SWD:	0.45 mm x 0.30 mm
	Sewage generation in KLD:	503 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	550 KLD
Wasto water	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs 100 Lakhs
	Budgetary allocation (O & M cost):	Rs 15 lakhs /annum
	36.Solid	d waste Management
the Pre Construction	Waste generation:	- Topsoil will be 100 cum which will be used for landscaping Excavated material will be 600 cum which Will be used for plot filling, leveling, re-filling in plinth and for internal road
phase:	Disposal of the construction waste debris:	- Topsoil will be used for landscaping Excavated material wWill be used for plot filling, leveling, re-filling in plinth and for internal road
	Dry waste:	3093 kg/day
	Wet waste:	2323 kg/day
Waste generation	Hazardous waste:	NA
in the operation	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	NA



Dry waste:			To be hand over to Local Recyclers for recycling							
		Wet waste	:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users						
Mode of	Disposal	Hazardous	waste:	Not Applica	able					
of waste:		Biomedica applicable	•	Not Applica	able					
		e (Dry	To be used as a manure							
		Others if a	ny:	Ewaste will	Ewaste will be sell to authorized dealers					
		Location(s	):	ground						
Area requirem	ent:	Area for the of waste & material:		90.00 sqm						
		Area for m	achinery:	10sqm						
Budgetary (Capital co		Capital cos	st:	Rs 20 Lakh	S				<b>&gt;</b>	
O&M cost)		O & M cos	t:	Rs 6 lakhs /	annum/			00		
37.Effluent Charecterestics										
Serial Number	Paran	neters	Unit	Inlet E Charect		-		Effluent erestics	Effluent discharge standards (MPCB)	
1	Not app	plicable	Not applicable	Not ap	plicable		Not app	plicable	Not applicable	
Amount of e	effluent gene	eration	Not applica	plicable						
Capacity of	the ETP:		Not applica	able						
Amount of t recycled:	reated efflue	ent	Not applica	icable						
	vater send to		Not applica							
	p of CETP (if		Not applica							
	P technology		Not applica							
Disposal of	the ETP sluc	ige	Not applica		WA7					
			38.Ha	azardous	Wasi	te D	etails			
Serial Number	Descr	iption	Cat	UOM	Exist	J	Proposed	Total	Method of Disposal	
1	Not app	olicable	Not applicable	Not applicable	No applic	able	Not applicable	Not applicable	Not applicable	
			39.S	tacks em	issio	n De	etails			
Serial Number	Section	& units		sed with ntity	L STOCK NO		Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not applicable Not ap			plicable	No applic	-	Not applicable	Not applicable	Not applicable	
			40.De	tails of I	uel t	o be	e used			
Serial Number	Type of Hijel			Existing 1		Proposed		Total		
1	Not	applicable	1	Not applicabl	e	N	Not applicabl	е	Not applicable	
41.Source o	of Fuel		Not a	applicable	•			•		

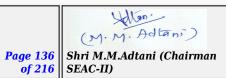




42.Mode of	Transportat	ion of fuel to	site Not a	applicable				
		T-t-1 DC -		DC	O	CO4 C		
43.Green Belt Development		Total RG area : No of trees to be cut			Ground - 11	,604 Sq.mt		
		: Number of trees to be planted :		Nil				
				661 NOS				
		List of prop native tree		same as bel	ow			
		Timeline for completion of plantation :		by the end o	of constructi	on phase		
	44.Nu	mber and	l list of t	rees spe	cies to b	e plante	d in the ground	
Sorial			n Name	Quai	ntity	Characteristics & ecological importance		
1	Albizia	saman	Rain	Tree			shadey	
2		horbe icaulis	Bottle	Palm			shadey	
3	Cassia	fistula	Bah	nava			shadey	
4	Azadirec	ta indica	Ne	em			shadey	
5	Millettia	pinnata	Kai	ranj	,		shadey	
45	.Total qua	ntity of plan	ts on grou	nd				
46.Num	ber and	list of sh	rubs an	d bushes	species	to be pl	anted in the podium RG:	
Serial Number		Name		C/C Distance Area m2				
1		NA		NA NA				
				47.Er	ergy			
		Source of p supply:	oower	MSEB				
		During Construction Phase: (Demand Load)		100 kw				
		DG set as Power back-up during construction phase		100 kva				
Doo		During Operation phase (Connected load):		14255 kw				
Pov require		During Operation phase (Dental load):		8913 kw				
		Transform	er:	NA				
		DG set as I back-up du operation p	ring	45 KVA (4 Nos.), 62.5 KVA (5 Nos.), 200 KVA (2 Nos.)				
		Fuel used:		HSD				
		Details of I tension lin through th any:	e passing	NA				







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

Road/Landscape - 60% Solar Lighting Parking - T5 lights Lobby & staircase LED lights - 60% Solar Solar Hot Water system Ventilation Fan with VFD

Serial Number	<b>Energy Conservation Measures</b>	Saving %
1	Overall Saving for the Project	18.3%

#### 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: (Capital cost and O&M cost):

Rs. 245 Lakhs

O & M cost: Rs. 24 Lakhs

# 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air pollution	Water for Dust Suppression	5
2	health safety	Site Sanitation & Safety	15
3	Environment Monitoring	Environmental Monitoring	3
4	health safety	Disinfection	10
5	Good Health Practices	Health Check up	15

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	solid waste management	OWC	20	6
2	waste water management	STP	100	15
3	energy savings	Solar	245	24
4	RWH	RWH	78	3.9
5	green belt	Landscaping	75	5

# 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
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Not applicable	Not applicable	Not applica	ble	Not applicable					
		52.A	ny Ot	her Info	rmation	<u> </u>			
No Information Availab	le								
		53.	Γraffi	c Manag	jement				
			30m wi	de DP road					
	and area of t:	1 nos 1	213.51 sqm						
	Number podia:	and area of	nil				^		
	Total Par	rking area:						<b>Y</b>	
	Area per	car:	stilt - 2	9 sqm		<b></b>	O.V		
	Area per		stilt - 2	9 sqm					
Parking details:	Number Wheelers approved competer authority	s as I by nt	790 nos						
	Number of 4- Wheelers as approved by competent authority:		300 nos						
	Public Transport:		NA						
	Width of roads (m	all Internal ):	6.00 m	wide					
	CRZ/ RRZ obtain, if	Z clearance f any:	NA						
	Critically	d Areas / Polluted co-sensitive ter-State	NA						
	Category schedule Notificat		8(a) B2						
C Y	Court cas	ses pending	NA						
7	Other Re Informat		NA						
	submitte Applicati	previously d on online Website.	Yes						
	Date of o submissi		12-04-2	2018					
SEAC	DISCU	USSION	ON :	ENVIR	ONMI	ENTAL A	SPECT	S	
	SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS  Summorised in brief information of Project as below.								



# Brief information of the project by SEAC

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

The proposal under consideration is of violation of EIA Notification, 2006 amended time to time. It is noted that PP has applied in Amnesty window period described in notification issued by MoEF & CC vide letter dated 14.03.2017 and 08.03.2018

#### **DECISION OF SEAC**

During meeting PP requested to time to submit his say on the proposal, Committee agreed to this & hence, the proposal is deferred

**Specific Conditions by SEAC:** 

#### FINAL RECOMMENDATION

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



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## Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

Subject: Environment Clearance for Application for prior Environmental Clerance for Millennium Avanish, Airoli

Is a	Vio	lation	Case:	Yes
------	-----	--------	-------	-----

Is a Violation Case: Yes					
1.Name of Project	MILLENIUM AVANISH				
2.Type of institution	TOR				
3.Name of Project Proponent	Mr. Ratilal Vasharambhai Patodia				
4.Name of Consultant	Mr. H.K. Desai				
5.Type of project	Residential cum Commercial Project				
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable				
8.Location of the project	Plot No. 9, 10 & 11, Sector - 10A, Airoli, Navi Mumbai				
9.Taluka	Airoli				
10.Village	Airoli				
Correspondence Name:	Mr. Ratilal Vasharambhai Patel				
Room Number:	211				
Floor:	211				
<b>Building Name:</b>	Concorde Premises				
Road/Street Name:	Plot No 66-A, Sector 11				
Locality:	CBD Belapur				
City:	Navi Mumbai 400614				
11.Area of the project	Navi Mumbai Municipal Corporation (NMMC)				
	CC issued dated : 2010 for Plot 9&10 and for plot 11, 2008				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CC issued dated : 2010 for Plot 9&10 and for plot 11, 2008				
	Approved Built-up Area: 9977.27				
13.Note on the initiated work (If applicable)	Fully Constructed				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable				
15.Total Plot Area (sq. m.)	6673.50				
16.Deductions	Not Applicable				
17.Net Plot area	6673.50				
10 (a) Proposed Polity (For s	a) FSI area (sq. m.): 9977.27				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 13740.97				
	c) Total BUA area (sq. m.): 23745.24				
10 (b) Assurand D. 'II	Approved FSI area (sq. m.): 9977.27				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 13740.97				
	Date of Approval: 05-07-2010				
19.Total ground coverage (m2)	4474				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	67.04 %				
21.Estimated cost of the project	69000000				
22.Num	ber of buildings & its configuration				

Mr. Surykant Nikam

(Secretary SEAC-II)

SEAC Meeting No: 89 Meeting Date: February 20, 2019

(M. M. Adlani)

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Serial number	Buildin	ng Name & number	Nu	mber of floors	Height of the building (Mtrs)	
1		Wing A	ST + 2 1	Podium +3rd to 22nd Upper floors	69.89	
2		Wing B	ST + 2Podi	um + 3rd to 20th Upper floors	64.09	
23.Number tenants an		Residential tenements	: 151 nos. , C	ommercial (Shops) : 38 n	os.	
24.Number expected re users		851 nos.				
25.Tenant per hectar		91.57 Tenements / He	ctare			
26.Height building(s)						
27.Right of (Width of the from the number of the proposed here)	the road earest fire the	15.0 Mt DP Road East, South and west Side of the Plot				
28.Turning for easy ac fire tender movement around the excluding to for the plat	from all building the width	8.00 Mt and 6.00 Mt f	or Fire Engine	Movement		
29.Existing structure (		Construction work is a	almost comple	ted		
30.Details of the demolition with disposal (If applicable)  Not Applicable			SD			
		31.	Product	ion Details		
Serial Number	Pro	duct Existin	ng (MT/M)	Proposed (MT/M)	Total (MT/M)	
1	Not ap	plicable Not a	pplicable	Not applicable	Not applicable	
		32.Tot	al Wate	r Requiremen	t	

Mr. Surykant Nikam (Secretary SEAC-II)

SEAC Meeting No: 89 Meeting Date: February 20, 2019

(M. M. Adtani)

Shri M.M.Adtani (Chairm

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	Source of water	NMMC / ST	TP						
	Fresh water (CMD):	70							
	Recycled water - Flushing (CMD):	40							
	Recycled water - Gardening (CMD):	16	16						
	Swimming pool make up (Cum):	15	15						
Dry season:	Total Water Requirement (CMD):	126							
	Fire fighting - Underground water tank(CMD):	150							
	Fire fighting - Overhead water tank(CMD):	20	20						
	Excess treated water	21							
	Source of water	NMMC / ST	TP .						
	Fresh water (CMD):	70							
	Recycled water - Flushing (CMD):	40							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	15							
Wet season:	Total Water Requirement (CMD):	110							
	Fire fighting - Underground water tank(CMD):	150							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	37							
Details of Swimming pool (If any)	Swimming Pool propos	ed							
	33.Detail	s of Tota	l water o	onsume	d				
Particula rs Cons	sumption (CMD)		Loss (CMD)		Ef	fluent (CM	D)		
Water Require ment Existing	Proposed Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic Not applicable	Not 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:						
	Size and no of RWH tank(s) and Quantity:	1 tank 92 cum.					
	Location of the RWH tank(s):	Ground					
	Quantity of recharge pits:	Not applicable					
	Size of recharge pits :	Not applicable					
	Budgetary allocation (Capital cost) :	10 lac					
	Budgetary allocation (O & M cost) :	1.5 lac					
	Details of UGT tanks if any:	Location(s) of the UGT tank(s): Ground floor					
35.Storm water drainage	Natural water drainage pattern:						
	Quantity of storm water:	0.132 cum/sec					
	Size of SWD:	0.91 cum/sec					
Sewage and Waste water	Sewage generation in KLD:	86					
	STP technology:	SAFF					
	Capacity of STP (CMD):	90 Cum.					
	Location & area of the STP:	ground floor (Below ramp)					
	Budgetary allocation (Capital cost):	18 lakhs					
	Budgetary allocation (O & M cost):	2.0 Lakhs					
36.Solid waste Management							
Waste generation in	Waste generation:	Construction debris like sand, soil, bricks, tiles					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	It will recycled and utilized on same site for filling of low lying area and surplus will be disposed off at proper site as per norms. Scrap material will be sold to recyclers					
	Dry waste:	186 kg/day					
Waste generation in the operation Phase:	Wet waste:	256 kg/day					
	Hazardous waste:	Not applicable					
	Biomedical waste (If applicable):	Not applicable					
	STP Sludge (Dry sludge):	110 kg/day					
	Others if any:	Garden Waste : 12 kg/day					



		Dry waste:		It will be segregated/Sale/Recycled/Collected by authorized vendor by NMMC						
Mode of Disposal of waste:  Biomed applical STP Slu sludge) Others:  Area requirement:  Area for of waste materia		Wet waste:		treated in OWC						
		Hazardous waste:		Hazardous waste such as used oil will be generated from DG sets during the change of oil and it will be disposed off as per MSIHC rules						
		Biomedical waste (If applicable):		Not applicable						
		STP Sludge (Dry sludge):		Used as manure						
		Others if any:		E-waste if generated shall be disposed as per categoty						
		Location(s	s):	Ground						
		Area for the storage of waste & other material:		42 sq. m						
		Area for machinery:								
Budgetary allocation (Capital cost and O&M cost):		Capital cost:		18 lakhs						
		O & M cos	t:	2.5 lakhs						
37.Effluent Charecterestics										
Serial Number	Daramotore		Unit	Inlet I	Effluent terestics	Outlet Effluent Charecterestics		Effluent discharge standards (MPCB)		
1	Not applicable		Not applicable	Not ap	plicable	cable 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			Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	1 Not applicable		Not applicable	Not applicable	Not applicable	Not applicable	Not app45) Hazardous Waste Details Description Cat UOM Existing Proposed Total Method of Disposal licable	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		



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1	Not ap	plicable	Not ap	plicable	No applio		Not applicable	Not applicab	le Not applicable
			40.De	etails of I	Fuel t	o be	e used		
Serial Number	Тур	e of Fuel		Existing	Proposed			Total	
1	Not applicable			Not applicab	le	N	lot applicabl	le	Not applicable
41.Source o	of Fuel		Not	applicable					
42.Mode of	Transportat	ion of fuel to	site Not	applicable					
Total RG area:				3,220.118	Sq.m (C	n Pod	lium)		
		No of trees	to be cut	NA					
43.Gree	n Belt	Number of be planted		71 Trees					7,7
Develop	ment	List of propagities to the contractive tree		Enlisted be	low				
		Timeline for completion plantation	n of	- 0					
	44.Nu	mber and	l list of	trees spe	cies	to b	e plante	d in th	e ground
Serial Number			Commo	_		Quai			cteristics & ecological importance
1	Michelia	champaca	Sono	chapha 8		3			
2	Butea Mo	nosperma	Pa	alas		9	3		
3	Erythrin	na Indica	Par	ngara		6	5		-
4	Putranjiva	Roxburbhi	Putr	anjiva	8			-	
5	Mimuso	ps Elegi	Ва	akul	ul 10			-	
6		troemia gineae	Tar	nhan 7		7			
7	Azardirac	hita Indica	N	Neem 8					
8	Plumer	ria Alba	Cham	pa Tree 6					
9	Cassia	Fistula	Bal	nawa	wa 10			-	
45	.Total qua	ntity of plan	ts on grou	nd					
46.Nun	nber and	list of sh	rubs ar	d bushes	s spe	cies	to be pl	anted i	in the podium RG:
Serial Number		Name		C/C Distance			Area m2		rea m2
1	Ca	asia Tora							
2	Hibiscu	s rosea Sines	is						
3	Murra	ya Paniculata	1						
4	Adha	Adhatoda Vasica							
5	Ziziphı	us Mauritiana	i						
6	Vite	x Negundo							
7	Sa	agargota							
8	Stach	ytarphta Sp.							
	Cassi								
9	Cassi	a Auriculata							



		Source of p supply:	ower	MSEB				
					100KW			
		DG set as I back-up du construction	ring					
Dox		During Ope phase (Con load):		2592 KW				
Pov require		During Oper phase (Den load):		907 KW				
		Transform	er:	2 nos. 630 I	0 KVA			
		DG set as I back-up du operation I	ring	1 DG Set of	of 250 KVA with 80 % Loading Factor for back up services			
		Fuel used:		HSD				
		Details of I tension line through th any:	e passing	NA				
		48.Ene	rav savi	na by no	on-conventional method:			
Fnerov Savi	ing through	this = 1.0 %						
Ellergy Savi	ing unough							
		45	9.Detaii	caiculati	tions & % of saving:			
Serial Number	E	nergy Conse						
1			rgy Saving	<u> </u>	1.0 % of total Demand i.e. 9.10 KW			
		50.	Details	of polluti	ition control Systems			
Source	Ex	isting pollu	tion contro	l system Proposed to be installed				
Not applicable		Not a	applicable		Not applicable			
Budgetary		Capital cos	it:	15 Lac				
(Capital O&M		O & M cost	•	1.5 Lac				
51	.Envir	onment	al Mar	nageme	ent plan Budgetary Allocation			
		a) (	Construc	ction pha	nase (with Break-up):			
Serial Number	Attril	butes	Parar	neter	Total Cost per annum (Rs. In Lacs)			
1	air po	llution		for Dust ession	5			
2	health	safety		itation & ety	15			
3		onment toring		nment toring	3			
4	health	safety	Disinf	ection	10			
5	Good Healt	th Practices	Health C	Check up	15			
		<b>b</b> )	Operat	ion Phas	nse (with Break-up):			



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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Wastewater Management	Sewage Treatment Plant	18.0	2.0
2	Rain Water Harvesting	Rain Water Harvesting Tank	10.0	0.45
3	Solid Waste Management	Organic Waste Converter	18.0	2.5
4	Landscape	Landscape	20.0	3.0
5	Energy saving	Solar Energy	14.5	1.5

# 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	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

# **52.Any Other Information**

No	Information	Available		
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# 53.Traffic Management

	33.	53.1 rame Management					
	Nos. of the junction to the main road & design of confluence:	15.0 wide D.P. Road East south and west side of the plot					
	Number and area of basement:	NA					
	Number and area of podia:	2 Podium (3,300.80 Sq.m)					
	Total Parking area:	6,317.416 Sq.m					
	Area per car:	32.5 Sq.m / car					
	Area per car:	32.5 Sq.m / car					
Parking details:	Number of 2- Wheelers as approved by competent authority:						
	Number of 4- Wheelers as approved by competent authority:	238 no's					
	Public Transport:	NA					
	Width of all Internal roads (m):	6.0 m, 8.0 m internal drive way					





To be obtained

**CRZ/ RRZ clearance** 

obtain, if any:

Pro Cr. are are	stance from rotected Areas / ritically Polluted reas / Eco-sensitive reas/ inter-State bundaries	Mangroves at a distance of 500 m
scl	ntegory as per hedule of EIA otification sheet	8(a)
	ourt cases pending any	NA
	ther Relevant formations	-
sui Ap	ave you previously abmitted oplication online a MOEF Website.	Yes
	ate of online abmission	13-04-2018

# SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC

# **DECISION OF SEAC**

PP was absent; hence the project is deferred.

**Specific Conditions by SEAC:** 

# FINAL RECOMMENDATION

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



**SEAC Meeting No: 89 Meeting Date: February** 20, 2019

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(M.M. Adlani) Shri M.M.Adtani (Chairman

Salan:

# Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

Subject: Environment Clearance for Residential & Commercial Development at Chandivali, Andheri (E ) Mumbai

Is a	ı Vio	lation	Case:	Yes
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Is a Violation Case: Yes	
1.Name of Project	Residential & Commercial Development at Chandivali, Andheri (E ) Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Nahar Builders Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential & Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New application for EC for the buildings constructed on site which are in the purview of EIA Notification (Plinth completed after 7.7.2004)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	
8.Location of the project	Plot bearing CTS No. $30A/1-14$ , $30A/1-16$ , $30A/2$ , $36A/8$ , $36-B$ , $50-B$ , $52-B$ , $53-B$ & $29V$ , $28A/3$ , $28-B$ , $29/L$ , $30-A/1-15$ , $30-A/3$ , $50-C$ , $53-A/1-D$ , $53-C$ , $53-A/1-B$ , $1-C$ , $44-C$ , $1-D$ , $44-A$ , $45$ , $45/1$ to $45/29$ (pt), $50-A$ (pt), $51-A$ (pt), $52-A$ (pt), $48-F$ (pt), $49$ , $50-A$ (pt), $40$ (pt), $4/2$ to $4/59$ , $4/60$ , $4/61$ , $4-E$ , $20-B$ , $25/B/1$ , $26$ , $A$ , $27$ , $28A/1$ , $29$ , $N$ , $50$ , $A/6$ , $38$ (pt), $50A/7$ , $52A/9$ , $42-D$ , $43$ , $C/A(pt)$ , $43$ , $C/9$ to $43$ , $C/32$ to $43$ , $C/37$ , $39-A$ , $14$ (pt), $36A/4$ , $50A/11$ , $52$ , $A/3$ , $36A/9$ , $50A$ (pt), $52/A$ (pt), $50A/9$ , $52A/6$ , $36$ , $A(Pt)$ , $36A/10$ , $50A$ (pt), $52/A$ (pt) and $26-C$ Chandivali Farm Road, Chandivali, Andheri (E), Mumbai - $400072$ , Maharashtra. (These City survey numbers are for all $22$ sectors as per approved layout. The present project is only for $11$ sectors wherein work is commenced/completed)
9.Taluka	Andheri (E)
10.Village	Chandivali
Correspondence Name:	M/s. Nahar Builders Ltd.
Room Number:	B-1
Floor:	
<b>Building Name:</b>	Mahalaxmi Chambers
Road/Street Name:	22, Bhulabhai Desai Road
Locality:	Mahalaxmi
City:	Mumbai-400 026
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
	CE/360/BPES/LOL (layout approval number)
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CE/360/BPES/LOL (layout approval number)
Approvar rumber	Approved Built-up Area: 319556.91
13.Note on the initiated work (If applicable)	Detailed site history is given in Form 1.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	
15.Total Plot Area (sq. m.)	4, 85,232.67 Sq. mt. (for total layout).
16.Deductions	1,62,039.97 Sq. mt. (for total layout)
17.Net Plot area	3, 23,192.70 Sq. mt. (for total layout), Plot area of 11 Sectors (The Project before this Hon'ble Authority): 2, 07,290.02 Sq. mt.
19 (a) Proposed Built up Avec (ESI C.	a) FSI area (sq. m.): Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 48970.40 Sq. mt. And Buildings under purview of EIA Notification: 2,70,586.51 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b)</b> Non FSI area (sq. m.): Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 18221.09 Sq. mt. And Buildings under purview of EIA Notification: 2,47,937.00 Sq. mt.
	c) Total BUA area (sq. m.): 518523.31







	Approved FSI area (sq. m.): 319556.91
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 266158.09
	Date of Approval: 31-08-2016
19.Total ground coverage (m2)	Existing Buildings not under purview of EIA Notification: 9070.69 Sq.mt. Buildings under purview of EIA Notification: 23833.52 Sq. mt. Total Ground coverage: 32904.21 Sq. mt. (10 %)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10 %
21.Estimated cost of the project	17495000000

# 22. Number of buildings & its configuration

22::Number of buildings & its configuration								
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)					
1	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004)	-						
2	Sector R2: Building R-2/1, R-2/2 and R-2/3	Stilt + 7 Floors	23.77 mt.					
3	Sector R2: Building R-2/4 and R-2/5	Stilt + Podium + 14 Floors	48.15 mt.					
4	Sector R3: Building R-3/1: Wing A to E	Stilt + 14 Floors	44.00 mt.					
5	Sector R4: Building R-4/1	Plinth	17.98 mt.					
6	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.					
7	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.					
8	Sector R6: Building R-6/1, R-6/2, R-6/3 and R-6/4	Ground	5.33 mt.					
9	Sector R14: Building R-14/1 and R-14/2	Ground + 1 Floor	9.50 mt.					
10	Existing Buildings under purview of EIA Notification, 1994, 2006 as amended (Plinth completed after 7.7.2004)							
11	Sector R2: Building R-2/6, R-2/7, R-2/8, R-2/9 and R-2/10	Stilt + Podium + 14 Floors	44.95 mt.					
12	Sector R3: Building R-3/F: Wing F	Stilt + 2 Podium + 14 Floors	44.00 mt.					
13	Sector R3: School	2 Basements + Ground + 8 Floors	39.50 mt.					
14	Sector R6: Building R-6/5	Ground	5.33 mt.					
15	Sector R12: Building R-12/1	Stilt + Podium + 22 Floors	69.75 mt.					
16	Sector R12: Building R-12/3 And R-12/4	Stilt + Podium + 22 Floors	69.25 mt.					
17	Sector R12: Building R-12/6	Stilt + Podium + 22 Floors	69.66 mt.					
18	Sector R12: Building R-12/2, R-12/5	Stilt + Podium + 21 Floors	68.80 mt.					
19	Sector R12: Building R-12/7	Stilt + podium + 20 floors	69.80 mt.					
20	Sector R12: Building R-12/9	Stilt + podium + 20 floors	69.40 mt.					
21	Sector R12: Building 12/13	Stilt + 2 podium + 20 floors	67.40 mt.					
22	Sector R12: Building R-12/8	Basement + Stilt + Podium + 18 Floors	67.35 mt.					





				D	. Chile . D. di	. 20		
23	Sector F	R12: Building I	R-12/10	Basement	+ Stilt + Podium - Floors	+ 20	69.40 mt.	
24	Sector F	R12: Building I	R-12/11	Basement	Basement + Stilt + Podium + 14 Floors 52.25			
25	Sector R12: Temple			Gr	Ground + 1 Floor 15.95 mt.			
26	Sector 1	R14: Building	R-14/3		nent + G + 3 Podi 7 Upper Floors	um+	60.60 mt.	
27	Secto	r R18: Reside	ntial	Basement	+ Podium + 18 Fl	loors	61.00 mt.	
28	Sec	tor R19: Dema	art	Basemen	t + Ground + 4 Flo	oors	22.80 mt.	
29	Sec	ctor R20: Offic	es	Gro	und + 10 Floors		39.00 mt.	
30	Sector R	21: Diagnostic	Center	Basemen	+ Ground + 5 Flo	oors	22.20 mt.	
tenants an	completed before 07.07.  23.Number of Flats: 740 Nos, Shops: Buildings under purview				66 Nos.			
24.Number expected rusers							4 as amended in 2004 (Plinth rview of EIA Notification: 18221	
	25.Tenant density per hectare 116/hector(Considering				all the buildings of the plot)			
	26.Height of the building(s)							
(Width of t from the n station to				connected via 13.40 mt. wide D.P. Roads and 18.30 mt. wide D.P. Roads ected to 27.45 mt. wide D.P. Road which connects to 45.75 mt. wide k Road.				
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation			nt.					
29.Existing structure (		Details given	in Form 1	and 1 A				
demolition disposal (I	30.Details of the demolition with disposal (If applicable)  Not Applicable							
	GY		31.P	roduct	ion Detail	S		
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT	7/M)	Total (MT/M)	
1		-	-	-				
	32.Total Water Requirement							

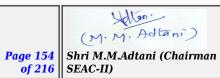
	Source of wa	ter	From M.C.G	J.M./ Bore well,	/ Tankers/	Treated sewa	ige from STP				
	Fresh water (	(CMD):	Flushing : 1' Domestic of	ot under purvie 73) and Buildir all bldgs : 144 83, R6, R14, R1	ngs under 1 + Flush	purview of E ing of Some of	IA Notification of the building	n: 1700 (			
	Recycled water -		For Sector F	R12 Only : 484							
			151								
Dry season:	Swimming po make up (Cur		Buildings un	nder purview o	f EIA Noti	fication: 14					
	Total Water Requirement :	(CMD)		ot under purvie ew of EIA Noti			512 and Buildi	ngs			
	Fire fighting Underground tank(CMD):		Details shall	be submitted							
	Fire fighting Overhead was tank(CMD):		Details shall	be submitted		00,					
	Excess treate			be submitted							
	Source of wa	ter	From M.C.G	.M./ Bore well	/ Tankers/	Treated sewa	ige from STP				
	Fresh water (CMD):		Buildings not under purview of EIA Notification: 512 (Domestic: 339+Flushing: 173) and Buildings under purview of EIA Notification: 1700 (Domestic of all bldgs: 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)								
	Recycled wat Flushing (CM		For Sector F	R12 Only: 484							
	Recycled wat Gardening (C		0								
Wet season:	Swimming po make up (Cur		Buildings un	Buildings under purview of EIA Notification: 14							
	Total Water Requirement	Total Water Requirement (CMD):		Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2198							
	Fire fighting Underground tank(CMD):		Details shall be submitted								
	Fire fighting Overhead wat tank(CMD):		Details shall be submitted								
	Excess treate	d water	Details shall	be submitted							
Details of Swimming pool (If any)	Details shall be	e submitt	ed								
	33.	Detail	s of Tota	l water co	nsume	d					
Particula con	sumption (CM	D)	I	Loss (CMD)		Eff	luent (CMD)				
Water Require Existing ment	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total			
Domestic							-				



	Level of the Ground water table:	1.5 mt. and 3.10 mt. below ground level					
	Size and no of RWH tank(s) and Quantity:	Details shall be submitted					
	Location of the RWH tank(s):	Details shall be submitted					
34.Rain Water Harvesting	Quantity of recharge pits:	Details shall be submitted					
(RWH)	Size of recharge pits :	Details shall be submitted					
	Budgetary allocation (Capital cost) :	Details shall be submitted					
	Budgetary allocation (O & M cost) :	Details shall be submitted					
	Details of UGT tanks if any:	Details shall be submitted					
25 Charma	Natural water drainage pattern:	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD					
35.Storm water drainage	Quantity of storm water:	Details shall be submitted					
	Size of SWD:	Details shall be submitted					
	Sewage generation in KLD:	Buildings not under purview of EIA Notification: 444 KLD And Building under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: 637 KLD; Sector R12: 1258 KLD					
	STP technology:	MBBR (Moving Bed Bio Reactor)					
Sewage and Waste water	Capacity of STP (CMD):	Buildings not under purview of EIA Notification: To sewer line; Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: To sewer line; Sector R12 STP of capacity of 1766 KL					
Waste Water	Location & area of the STP:	Basement					
	Budgetary allocation (Capital cost):	Details shall be submitted					
	Budgetary allocation (O & M cost):	Details shall be submitted					
	36.Solie	d waste Management					
Waste generation in the Pre Construction	Waste generation:	Excavated material has been already disposed to the authorized sites with permission from M.C.G.M.					
and Construction phase:	Disposal of the construction waste debris:	Construction waste material generated during construction of Building R12/13 and Temple shall be partly reused and remaining disposed to the authorized land fill site.					
	Dry waste:	Buildings not under purview of EIA Notification: 1011 kg/day And Buildings under purview of EIA Notification: 4244 kg/day					
	Wet waste:	Buildings not under purview of EIA Notification: 674 kg/day And Buildings under purview of EIA Notification: 2829 kg/day					
Waste generation	Hazardous waste:						
in the operation Phase:	Biomedical waste (If applicable):	There is a dispensary & diagnostic center in Sector R18 & R21 respectively which generates small quantity of bio-medical waste					
	STP Sludge (Dry sludge):	From STP of Sector R12 only: 189 kg/day					
	Others if any:	E - waste: 30 Kg/month (For Offices in Sector R20 Only)					
Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting N	o: 89 Meeting Date: February Page 153 Shri M.M.Adtani (Chairman of 216 SEAC-II)					

		Dry waste:		To Authoriz	zed rec	yclers					
		Wet waste		under purv R3, R6, R14	Buildings not under purview of EIA Notification: To MCGM, Buildings under purview of EIA Notification- Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: To MCGM, Bio Waste Converter (BWC) (For Sector R 12 Only)						
Mode of	Iode of Disposal Hazardous waste:										
of waste:	_	Biomedica applicable			Handling and disposal of waste as per Bio-Medical Waste Management Rules, 2016.						
		STP Sludg sludge):	e (Dry	Use as man	Use as manure						
		Others if a	ny:				- Waste in se ver to author		space within project site and clers		
		Location(s	):	Details sha	ll be su	bmitt	ed		<u> </u>		
Area requirem	ent:	Area for the of waste & material:		Details sha	ll be su	bmitt	ed				
		Area for m	achinery:	Details sha	ll be su	bmitt	ed				
Budgetary		Capital cos	st:	Details sha	ll be su	bmitt	ed		<b>5</b>		
(Capital co O&M cost)		O & M cos	t:	Details sha	ll be su	bmitt	ed				
			37.E	ffluent C	hare	cter	estics	)			
Serial Number	Paran	neters		Inlet Effluent Charecterestics Charecterestics Charecterestics Standards (MPCB)							
1	Not app	plicable	Not applicable	Not applicable Not applicable Not applicable							
Amount of e (CMD):	effluent gene	eration	Not application	able							
Capacity of	the ETP:		Not applica	able							
Amount of trecycled:	reated efflue	ent	Not applic								
Amount of v	vater send to	the CETP:	Not applic								
Membershi	o of CETP (if	require):	Not applic								
Note on ET	P technology	to be used	Not applic								
Disposal of	the ETP sluc	lge	Not applic	able							
		C !	38.H	azardous	Was	te D	etails				
Serial Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Tota	l Method of Disposal		
1	Not app	olicable	Not applicable	Not applicable	No applio		Not applicable	Not applica	I Not applicable		
	2		39.S	tacks em	issio	n D	etails				
Serial Number	Soction At limite			sed with antity	STACK NO		Height from ground level (m)	Intern diamet (m)	ter   Temp. of Exhaust		
1	1 DG Sets -						-	-			
40.De				tails of H	uel	to be	e used				
Serial Number	Тур	e of Fuel		Existing	Existing				Total		
1		HSD									





41.Source	of Fuel								
42.Mode of	Transportat	ion of fuel to	site						
		Total RG a	rea:	RG on the g 35,962.35	ground (sq. m.	): 15,446.6	8; RG on the podium (sq. m.):		
		No of trees:	to be cut	Details sha	ll be submitted	d			
43.Gree		Number of be planted		Details sha	ll be submitted	d			
Develop	Development		oosed s :	Details sha	ll be submitted	d			
		Timeline for completion plantation	of						
	44.Nu	mber and	list of t	trees spe	cies to be	plante	d in the ground		
Serial Number	Name of	the plant	Commo	on Name	Quan	tity	Characteristics & ecological importance		
1		shall be nitted		shall be nitted	Details sl submit		Details shall be submitted		
45	.Total qua	ntity of plan	ts on grou	nd					
46. Number and list of shrubs and bushes species to be planted in the podium RG:							anted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1									
				47.E	nergy				
		Source of p supply:	ower	TATA Powe	r & Reliance I	nfrastructu	ure		
		During Cor Phase: (Der Load)		Details shall be submitted					
		DG set as P back-up du construction	ring	Details shall be submitted					
D.		During Oper phase (Con load):		Details sha	ll be submitted	d			
	wer ement:	During Open phase (Den load):		Details sha	ll be submitted	d			
	5	Transforme	er:	Details sha	ll be submitted	d			
bacl open		DG set as P back-up du operation p	ring	Details sha	Details shall be submitted				
		Fuel used:		Diesel					
Details of high tension line passing through the plot if any:			NA	NA					
		48.Ene	rgy savi	ng by no	n-convent	tional m	nethod:		
Details shal	l be submitt	ed							



(M. M. Adtani)

		4	49.Detail	calcu	latio	ons 8	& % of s	avin	g:				
Serial Number	E	Energy Con	servation M	easures	1				Savi	ng %			
1		Details s	shall be submi	tted		Details shall be submitted							
		5	0.Details	of pol	luti	on c	ontrol S	yste	ms				
Source	Ex	isting pol	lution contro	l syster	n			Pro	posed to	be installe	ed		
								-	-				
Budgetary (Capital	allocation	Capital c	ost:	Details	shall	be su	bmitted						
O&M					shall	be su	bmitted						
<b>51</b>	.Envir	onmen	ıtal Mar	nage	me	nt p	olan Bı	ıdg	etary	Alloca	ation		
		<b>a</b> )	Construc	ction	pha	se (v	vith Bre	ak-u	p):		<b>Y</b>		
Serial Number	Attri	butes	Parai	meter			Total (	Cost p	er annu	m (Rs. In I	.acs)		
1	Air Env	ironment	Dust sup	pression	n				2.88				
2	Air Env	ironment	Sensors for & Nois	Air and Noise quality: Sensors for Air quality & Noise level monitoring				-	11.00				
3	Air Env	ironment	By outside CC Ap	Air and Noise quality: By outside MoEF & CC Approved Laboratory			0.44						
4	Water En	vironment		g water lysis	7	0.66							
5	Land En	vironment	Site Sa	nitation		5.00							
6	Health &	Hygiene	Disinfect Contro	tion- Pes l at site	st	2.40							
7	Health &	k Hygiene	Health-ch wor	ieck-up kers	of	3.60							
			b) Operat	ion P	hase	e (wi	th Brea	k-up	):				
Serial Number	Comp	onent	Descr	iption		Capi	tal cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)		
1		shall be nitted		shall be nitted		De	etails shall k submitted	е	Det	ails shall be	submitted		
51.S	torage	of ch	emicals	(infl	lam	abl	e/expl	osiv	e/haz	zardou	s/toxic		
				sub	sta	nce	es)						
Descri	ption	Status	Locatio	n			Storage Capacity in MT		pacity Storage		umption onth in MT	Source of Supply	Means of transportatio
Not appl	licable	Not applicable	Not applica	able		lot icable	Not applicable	Not a	pplicable	Not applicable	Not applicable		
			52.A	ny Ot	her	Info	rmation	1					



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	53.	Traffic Management
	Nos. of the junction to the main road & design of confluence:	Details shall be submitted
	Number and area of basement:	Number of Basement : As mentioned in the proposal
	Number and area of podia:	Number of Podium : As mentioned in the proposal
	Total Parking area:	Details shall be submitted
	Area per car:	
	Area per car:	
Parking details:	Number of 2- Wheelers as approved by competent authority:	-
	Number of 4- Wheelers as approved by competent authority:	Buildings not under purview of EIA Notification: 561 Nos. and Buildings under purview of EIA Notification: 4306 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Details shall be submitted
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 2.00 Km
	Category as per schedule of EIA Notification sheet	Category 8 (b)
	Court cases pending if any	Details are submitted in Form 1
	Other Relevant Informations	
S	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-08-2017

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 68<sup>th</sup> SEAC-2 meeting held on 07-09-2018.



Allan!

### **DECISION OF SEAC**

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 68<sup>th</sup> SEAC-2 meeting held on 07-09-2018.

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 in 87th SEAC-2 meeting held on 7/02/2019 committee 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)

**Specific Conditions by SEAC:** 

### FINAL RECOMMENDATION

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



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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

Sollan.

# Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

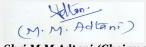
Subject: Environment Clearance for EXPANSION OF PROPOSED PROJECT & EXTENSION OF EARLIER OBTAINED EC

Is a Violation Case: Yes

Proposed Redevelopment - Slum Rehabilitation Scheme On Piot Bearing C. T. S. No. 7 (PL) Of Village Borla, Governdt (W.) Mumber 400 043, For Panchasheel SRA CHS Lid. & Ekta SRA CHS Lid. & A Direct Character of Project Pro	15 & 11012011 02001 100						
3.Name of Project Proponent         M/s. Lakadawala Developers Pvt. Ltd.           4.Name of Consultant         AQURA Enviro Projects Private Limited           5.Type of project         Sum Rehabilitation Scheme           6.New project/condernization/diversification, mether environmental clearance has been obtained for existing project         EXPANSION           7.If expansion/diversification, whether environmental clearance has been obtained for existing project         Extension of Earlier obtained EC & Expansion of Proposed Project.           8.Location of the project         C. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbal 400 043.           8.Location of the project         KURLA           6.Village         BORIA           Correspondence Name:         SWATI DOSHI           Room Number:	1.Name of Project	Village Borla, Govandi (W.) Mumbai 400 043, For Panchasheel SRA CHS Ltd. & Ekta SRA CHS					
A.Name of Consultant   AQURA Enviro Projects Private Limited	2.Type of institution	Private					
Sim Rehabilitation Scheme	3.Name of Project Proponent	M/s. Lakadawala Developers Pvt. Ltd.					
S.New project/expansion in existing project/modernization/diversification existing project in existing project	4.Name of Consultant	AQURA Enviro Projects Private Limited					
project/modernization/diversification, whether environmental clearance has been obtained for existing project  7.If expansion/diversification, whether environmental clearance has been obtained for existing project  8.Location of the project  C.T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbai 400 043.  9.Taluka  B.Location of the project  Correspondence Name:  Floor:  Building Name:  Road/Street Name:  Lathiwala Apartment  August Office  City:  Mazgaon, Mumbai 400016  11.Area of the project  Mazgaon, Mumbai 400016  11.Area of the project  Municipal Corrogation of Greater Mumbai  Approval Number:  DOD/IOA/Concession/Plan  Approval Number  1.3.Note on the initiated work (If applicable)  1.4.LOI / NOC / IOD from MFADA/ Approval Kif applicable)  1.5.Total Plot Area (sq. m.)  1.5.Total Plot Area (sq. m.)  Ba(a).Proposed Built-up Area (FS dec. m.): 19152.53 m.2, Slum Plot Area: 18410.155 m.2, Non slum plot area: 742.375 m.2 (sq. m.): 12855.65 c.  7. Total BUA area (sq. m.): 12855.60 (sq	5.Type of project	Slum Rehabilitation Scheme					
whether environmental clearances been obtained for existing projectExtension of Earlier obtained EC & Expansion of Proposed Project.8. Location of the projectC. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumba) 400 (943.9. TalukaKURLA10. VillageBORLACorrespondence Name:SWATI DOSHIRoom Number:FirstFloor:Eithiwala ApartmentRoad/Street Name:Shivdas Chapshi RoadLocality:Near Sales Tax OfficeCity:Mazgaon, Mumbai • 40001011. Area of the projectMinicipal Corporation of Greater Mumbai12. LOD/IOA/Concession/Plan Approval Number:100 - Letterno. SRA/ENG/2747/ME/ML/AP dated 5th Jan 201212. DOJ/IOA/Concession/Plan Approval Number:100 - Letterno. SRA/ENG/2747/ME/ML/AP dated 5th Jan 201213. Note on the initiated work (if applicable)Construction work carried out on site: Rehab Bildg 1: G + 23 Floors as per CC obtained - 424 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt + 11 Upper Floors - 24966 8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.14. LOI / NOC / IOD from MHADA/ Other approvals (if applicable)Jol No. SRA/ENG/970/ME/ML/LOI dated 9th Nov 201715. Total Plot Area (sq. m.)5688.6017. Net Plot area11821.5518 (a).Proposed Built-up Area (FF) Non-FSI)150 Flora BL/A area (sq. m.): 18255.6517. Net Plot area11821.5518 (b).Approved Built up area as per Control and Contr	project/modernization/diversification	EXPANSION					
STAIUKA   SURLA     10.Village   BORLA     Correspondence Name: SWATI DOSHI     First     First     Building Name: Intividual Apartment     Shivdas Chapshi Road     Locality: Name; Margalen Municipal Corporation of Greater Mumbai     11.Village Municipal Corporation of Greater Mumbai     10.Village Municipal Corporation of Greater Mumbai	whether environmental clearance has been obtained for existing	Extension of Earlier obtained EC & Expansion of Proposed Project.					
Do. Nilage   BORLA   SWATI DOSHI	8.Location of the project	C. T. S. No. 7 (Pt.) Of Village Borla, Govandi (W.) Mumbai 400 043.					
Correspondence Name:  Room Number: Floor:  First  Building Name: Lathiwala Apartment  Anad/Street Name: Shivdas Chapshi Road  Locality: Near Sales Tax Office  City: Mazgaon, Mumbai 400010  11.Area of the project Municipal Corporation of Greater Mumbai  10.A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  10.D/I/OA/Concession/Plan Approval Number: 10A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  10.D/I/OA/Concession/Plan Approval Number: 10A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  10.D/I/OA/Concession/Plan Approval Number: 10A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  10.D/I/OA/Concession/Plan Approval Number: 10A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  Approved Built-up Area: 73640.62  Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained - 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & 10D for G + 24 Floors) Sale Building: Wing 3: On going Shore piling and (Wing B & C) 2 Basements + Stitt + 11 Upper Floors - 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.  14.LOI / NOC / 10D from MHADA/ Other approvals (If applicable)  15.Total Plot Area (sq. m.)  15.Total Plot Area (sq. m.)  16.Beductions  6588.60  17.Net Plot area  18 (a).Proposed Built-up Area (FS)  5   A FSI area (sq. m.): 19152.53  b) Non FSI area (sq. m.): 128558.65  c) Total BUA area (sq. m.): 1	9.Taluka	KURLA					
Room Number:   First	10.Village	BORLA					
First   Lathiwala Apartment	Correspondence Name:	SWATI DOSHI					
Building Name:	Room Number:	-					
Shivdas Chapshi Road	Floor:	First					
Locality: Near Sales Tax Office	<b>Building Name:</b>	Lathiwala Apartment					
City: Mazgaon, Mumbai = 400010,  11.Area of the project Municipal Corporation of Greater Mumbai  10A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  10D/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012  Approved Built-up Area: 73640.62  Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained - 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt + 11 Upper Floors - 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.  14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)  LOI No. SRA/ENG/970/ME/ML/LOI dated 9th Nov 2017  15.Total Plot Area (sq. m.)  Total plot area: 19152.53 m2, Slum Plot Area: 18410.155 m2, Non slum plot area: 742.375 m2  16.Deductions  17.Net Plot area  18 (a).Proposed Built-up Area (FSI & Non-FSI)  18 (a).Proposed Built-up Area (FSI & O) Non FSI area (sq. m.): 128558.65  c) Total BUA area (sq. m.): 147711.18  Approved FSI area (sq. m.): 82680.44  Date of Approval: 09-11-2017  19.Total ground coverage (m2)  20.Ground-coverage Percentage (%)	Road/Street Name:	Shivdas Chapshi Road					
Municipal Corporation of Greater Mumbai     10A - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012     10D/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012     10D/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012     Approved Built-up Area: 73640.62	Locality:	Near Sales Tax Office					
IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012   IOD/IOA/Concession/Plan Approval Number   IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012   IOD/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012   Approved Built-up Area: 73640.62   Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained - 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt + 11 Upper Floors - 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.	City:	Mazgaon, Mumbai - 400010					
IOD/IOA/Concession/Plan Approval Number: IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012   Approved Built-up Area: 73640.62   Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained - 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt + 11 Upper Floors - 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.	11.Area of the project	Municipal Corporation of Greater Mumbai					
Approval Numberdated 5th Jan 201213.Note on the initiated work (If applicable)Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained - 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A to ng oing Shore piling and (Wing B & C) 2 Basements + Still + 11 Upper Floors - 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)LOI No. SRA/ENG/970/ME/ML/LOI dated 9th Nov 201715.Total Plot Area (sq. m.)Total plot area: 19152.53 m2, Slum Plot Area: 18410.155 m2, Non slum plot area: 742.375 m216.Deductions6588.6017.Net Plot area11821.5518 (a).Proposed Built-up Area (FSI & Non-FSI)SFI area (sq. m.): 19152.5318 (b).Approved Built up area as per DCRApproved FSI area (sq. m.): 128558.65c) Total BUA area (sq. m.): 477711.18Approved Non FSI area (sq. m.): 82680.44Date of Approval: 09-11-201719.Total ground coverage (m2)4447.459		IOA - Letter no. SRA/ENG/2747/ME/ML/AP dated 5th Jan 2012					
Construction work carried out on site: Rehab Bldg 1: G + 23 Floors as per OC obtained - 26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt + 11 Upper Floors - 24966.8141 Sq. M. Total area constructed on site: 55745.211 Sq. M.    14.LOI / NOC / IOD from MHADA/Other approvals (If applicable)							
13.Note on the initiated work (If applicable)		Approved Built-up Area: 73640.62					
Other approvals (If applicable)         EOTNO. SRA/ENG/970/ME/ME/EOT dated 9th Nov 2017           15.Total Plot Area (sq. m.)         Total plot area: 19152.53 m2, Slum Plot Area: 18410.155 m2, Non slum plot area: 742.375 m2           16.Deductions         6588.60           17.Net Plot area         11821.55           a) FSI area (sq. m.): 19152.53         b) Non FSI area (sq. m.): 128558.65           c) Total BUA area (sq. m.): 147711.18         Approved FSI area (sq. m.): 66658.002           Approved Non FSI area (sq. m.): 82680.44         Date of Approval: 09-11-2017           19.Total ground coverage (m2)         4447.459		26011.077 Sq. M. Rehab Bldg 2: G + 5th Floor - 4767.32 Sq. M. (CC for G + 7 floors & IOD for G + 24 Floors) Sale Building: Wing A: On going Shore piling and (Wing B & C) 2 Basements + Stilt					
16.Deductions       6588.60         17.Net Plot area       11821.55         18 (a).Proposed Built-up Area (FSI & Non-FSI)       a) FSI area (sq. m.): 19152.53         b) Non FSI area (sq. m.): 128558.65       c) Total BUA area (sq. m.): 147711.18         Approved FSI area (sq. m.): 66658.002       Approved Non FSI area (sq. m.): 82680.44         Date of Approval: 09-11-2017       4447.459         20.Ground-coverage Percentage (%)       4447.459		LOI No. SRA/ENG/970/ME/ML/LOI dated 9th Nov 2017					
17.Net Plot area  11821.55  a) FSI area (sq. m.): 19152.53  b) Non FSI area (sq. m.): 128558.65  c) Total BUA area (sq. m.): 147711.18  Approved FSI area (sq. m.): 66658.002  Approved Non FSI area (sq. m.): 82680.44  Date of Approval: 09-11-2017  19.Total ground coverage (m2)  4447.459  20.Ground-coverage Percentage (%)	15.Total Plot Area (sq. m.)	Total plot area: 19152.53 m2, Slum Plot Area: 18410.155 m2, Non slum plot area: 742.375 m2					
a) FSI area (sq. m.): 19152.53   b) Non FSI area (sq. m.): 128558.65   c) Total BUA area (sq. m.): 147711.18   Approved FSI area (sq. m.): 66658.002   Approved Non FSI area (sq. m.): 82680.44   Date of Approval: 09-11-2017   19.Total ground coverage (m2)   4447.459	16.Deductions	6588.60					
18 (a).Proposed Built-up Area (FSI & Non-FSI)  b) Non FSI area (sq. m.): 128558.65 c) Total BUA area (sq. m.): 147711.18  Approved FSI area (sq. m.): 66658.002 Approved Non FSI area (sq. m.): 82680.44 Date of Approval: 09-11-2017  19.Total ground coverage (m2) 4447.459  20.Ground-coverage Percentage (%)	17.Net Plot area	11821.55					
Non-FSI   Si Non-FSI area (sq. m.): 128538.55	10 (a) Bron and Brill are Arres (FGI 6	a) FSI area (sq. m.): 19152.53					
c) Total BUA area (sq. m.): 147711.18  Approved FSI area (sq. m.): 66658.002  Approved Non FSI area (sq. m.): 82680.44  Date of Approval: 09-11-2017  19.Total ground coverage (m2) 4447.459  20.Ground-coverage Percentage (%)		<b>b)</b> Non FSI area (sq. m.): 128558.65					
18 (b).Approved Built up area as per DCR Approved Non FSI area (sq. m.): 82680.44 Date of Approval: 09-11-2017  19.Total ground coverage (m2) 4447.459  20.Ground-coverage Percentage (%)		c) Total BUA area (sq. m.): 147711.18					
Date of Approval: 09-11-2017  19.Total ground coverage (m2) 4447.459  20.Ground-coverage Percentage (%)	10 (b) Approved Decit	Approved FSI area (sq. m.): 66658.002					
Date of Approval: 09-11-2017  19.Total ground coverage (m2) 4447.459  20.Ground-coverage Percentage (%)		Approved Non FSI area (sq. m.): 82680.44					
20.Ground-coverage Percentage (%)		Date of Approval: 09-11-2017					
	19.Total ground coverage (m2)	4447.459					
to sky)	(Note: Percentage of plot not open	36%					
21.Estimated cost of the project 5000000000	21.Estimated cost of the project	500000000					



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22. Number of buildings & its configuration								
Serial number	Buildin	ng Name & nu	mber	Nu	mber of floors	Height of the building (Mtrs)		
1	Reha	nb - Building No	o 1	(Already co	l + 23 Upper Floors instructed on site as OC ted 08.12.2017)	69.90		
2	Reha	ab - Building No	o 2	Ground	l + 24 Upper Floors	69.80		
3	Reha	ab - Building No	0 3	Ground	l + 24 Upper Floors	69.30		
4	Sale Build	ing No. 4 (Wing C)	g A, B &		sement + Ground (Part) 25 Upper Floors	80.80		
23.Number of tenants and shops  Rehab Building No 1: 48 Rehab Building No 2: 34 Rehab Building No 3: 45 Sale Building No. 4: 582 Total: 1865			.9 i3					
24.Number expected ro users		Rehab Buildin No. 4: 2616 To		)24 Rehab B	uilding No 2: 1396 Reha	b Building No 3: 1812 Sale Building		
25.Tenant per hectar		752T/H						
26.Height building(s)								
27.Right of (Width of the from the nation to the proposed by the front of the front	the road earest fire the	23.80 m wide	D. P. Road	l on South, 2	23.80 m wide D. P. Road	on East		
28.Turning for easy ac fire tender movement around the excluding t for the plan	cess of from all building the width	6.00 m			<b>,</b>			
29.Existing structure (		There are App	orox. 200 S	lums on the	plot of proposed Rehab	3.		
30.Details of the demolition with disposal (If applicable)  Area for the rehab 3 plo be taken prior to the demolities applicable area for the rehab 3 plo be taken prior to the demolities applicable area for the rehab 3 plo be taken prior to the demolities applicable.				ot area will be demolished in the near future. Required permissions will molition.				
			31.P	roduct	ion Details			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not ap	plicable	Not app	olicable	Not applicable			
		32	.Tota	l Wate	r Requiremen	nt		





	Source of water	MCGM							
	Fresh water (CMD):	796							
	Recycled water - Flushing (CMD):	402							
	Recycled water - Gardening (CMD):	9.3							
	Swimming pool make up (Cum):	-							
Dry season:	Total Water Requirement (CMD)	1198							
	Fire fighting - Underground water tank(CMD):	1100							
	Fire fighting - Overhead water tank(CMD):	215							
	<b>Excess treated water</b>	524							
	Source of water	MCGM							
	Fresh water (CMD):	478							
	Recycled water - Flushing (CMD):	402							
	Recycled water - Gardening (CMD):		2						
	Swimming pool make up (Cum):	-							
Wet season:	Total Water Requirement (CMD)	880							
	Fire fighting - Underground water tank(CMD):	1100							
	Fire fighting - Overhead water tank(CMD):	215							
	<b>Excess treated water</b>	533							
Details of Swimming pool (If any)	NA								
	33.Detail	s of Tota	l water c	onsume	d				
Particula rs Cons	sumption (CMD)		Loss (CMD)		Ef	fluent (CM	D)		
Water Require ment Existing	Proposed Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic Not applicable	Not Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		





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	Level of the Ground					
	water table:	Above 4 m				
	Size and no of RWH tank(s) and Quantity:	4 RWH tanks of 65, 41, 56 & 93 Cum				
	Location of the RWH tank(s):	Below Ground				
34.Rain Water	Quantity of recharge pits:	NA				
Harvesting (RWH)	Size of recharge pits :	NA				
	Budgetary allocation (Capital cost) :	20 lacs				
	Budgetary allocation (O & M cost) :	2 lacs/year				
	Details of UGT tanks if any:	Fire Fighting Tank: $300 + 600 + 200 = 1100 \text{ CMD}$ Domestic Water Tank: $208 + 287 + 301 = 796 \text{ CMD}$ Flushing Water Tank: $106 + 146 + 150 = 402 \text{ CMD}$ Rain Water Harvesting Tank: $65+41+56+93=255 \text{ CMD}$				
35.Storm water drainage	Natural water drainage pattern:	SWD by Gravity & connected to south side				
	Quantity of storm water:	0.092 m3/Sec, 0.127 m3/Sec, 0.206 m3/Sec				
	Size of SWD:	Ranging from 300 - 450 mm wide storm water drain Channel				
	Sewage generation in KLD:	781 KLD				
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology				
Sewage and	Capacity of STP (CMD):	3 STP of 402 (Rehab 1 & 2), 210 (Rehab 3) & 399 (Sale) = 1011 KLD				
Waste water	Location & area of the STP:	Below Ground, Area: 94 + 102 + 333 Sq. M. = 529 Sq. M.				
	Budgetary allocation (Capital cost):	91 Lacs				
	Budgetary allocation (0 & M cost):	14 Lacs/year				
	36.Solie	d waste Management				
Waste generation in	Waste generation:	NA				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	NA				
	Dry waste:	2186 Kg/Day				
¥A7 #	Wet waste:	1458 Kg/Day				
	Hazardous waste:	NA				
Waste generation in the operation Phase:	Biomedical waste (If applicable):	NA				
I IIuovi	STP Sludge (Dry sludge):	85 Kg/day				
	Others if any:	NA				



	Recyclable	waste	to Rec	Recyclable waste to Recyclers & Non-recyclable waste to M.C.G.M.							
		Dry waste: Wet waste:			in Organic Waste Converter						
		Hazardous		NA	9						
Mode of Dispo of waste:	sal	Biomedica applicable)	•	NA							
STP Sludge sludge):			e (Dry	Use as Man	Use as Manure						
		Others if a	ny:	NA							
		Location(s	):	Ground Level							
Area requirement:		Area for th of waste & material:		50 + 30 + 7	72= 15	2 Sq.	М.				
	•	Area for m	achinery:	30 Sq. M.							
Budgetary alloca		Capital cos	st:	55 Lacs							
(Capital cost and O&M cost):	dl	O & M cost	t:	6.5 Lacs							
			37.Ef	fluent Cl	hare	cter	estics	-0			
Serial Number	Paran	neters	Unit	Inlet E Charect			Outlet l Charect	Effluent erestics	Effluent discharge standards (MPCB)		
1 N	lot app	olicable	Not applicable	Not ap	plicabl	e	Not app	plicable	Not applicable		
Amount of effluent (CMD):	Amount of effluent generation (CMD):					2					
Capacity of the ET	ГР:		Not applica	ble							
Amount of treated recycled :	l efflue	ent	Not applica	lble							
Amount of water s	send to	the CETP:	Not applica	ble	<b>,</b> ,						
Membership of CE	ETP (if	require):	Not applica	ble							
Note on ETP tech	nology	to be used	Not applica								
Disposal of the ET	P slud	ge	Not applica								
			<b>38.H</b> a	zardous	Was	te D	etails				
Serial Number	Descri	iption	Cat	UOM	Exis	ting	Proposed	Total	Method of Disposal		
1 N	lot app	olicable	Not applicable	Not applicable	No appli		Not applicable	Not applicable	Not applicable		
		7	39.St	tacks em	issio	n D	etails				
Serial Number	SACTION AT LINITE		ed with ntity	Stacl	ς No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases			
1 N	lot app	olicable	Not app	plicable	No appli		Not Not applicable appli		Not applicable		
40.Details of Fuel to be used											
Serial Number	Тур	e of Fuel		Existing		Proposed			Total		
1	Not	applicable	l N	Not applicabl	е	N	Not applicabl	e	Not applicable		
41.Source of Fuel			Not a	applicable							
42.Mode of Transp	portati	on of fuel to	site Not a	applicable							



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	Total RG area:	1254.77 SQ M
	No of trees to be cut :	NIL
43.Green Belt	Number of trees to be planted :	NIL
Development	List of proposed native trees :	Cassia fistula, Azadiracta indica, Erythrina indica, MIMSOPS ELENGI, MURRAYA PANICULATA, MAGNIFERA INDICA, PONGAMIA PINNATA, BOMBAX CEIBA, SARACA ASOCA
	Timeline for completion of plantation :	At the end of construction phase

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

				U
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	CASSIA FISTULA	BAHAWA	34	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	AZARDIRACHTA INDICA	NEEM	43	Medicinal Tree
3	MIMSOPS ELENGI	BAKUL	12	SHADY TREE
4	MURRAYA PANICULATA	KUNTI	41	Flowering Tree
5	MAGNIFERA INDICA	MANGO	3	SHADY TREE
6	PONGAMIA PINNATA	KARANJ	18	MEDICINAL VALUE
7	BOMBAX CEIBA	KATESAVAR	5	ORNAMENTAL TREE
8	SARACA ASOCA	SITA ASHOK	13	ORNAMENTAL TREE
9	ERYTHRINA INDICA	PANGARA	3	Medium sized deciduous tree. Bright scarlet flowers.
45	5.Total quantity of plan	ts 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 Engwerr						







	Source of power supply:	TATA Power & Reliance energy Limited
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	5717 KW
Power requirement:	During Operation phase (Demand load):	3429 KW
	Transformer:	The rating of the transformers are to be decided by Electrical Supply Company.
	DG set as Power back-up during operation phase:	1noDG set of 750kVA FOR SALE BUILDING
	Fuel used:	HSD/LSD
	Details of high tension line passing through the plot if any:	NA

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

- ? 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements.
- ? All lifts are with VFD drives.
- ? All water pump motors will be used High Efficiency motors with High low level sensors.
- ? 10% of common area lighting considered on Solar PV Panels.

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

Serial Number	Energy Conservation Measures	Saving %
1	REHAB 2 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	5% (INTERNAL + EXTERNAL LOAD)
2	REHAB 3 · 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	7% (INTERNAL + EXTERNAL LOAD)
3	SALE BUILDING 4 - 10% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. ? All lifts are with VFD drives. ? All water pump motors will be used High Efficiency motors with High low level sensors. ? 10% of common area lighting considered on Solar PV Panels.	6% (INTERNAL + EXTERNAL LOAD)



50.Details of pollution control Systems						
Source	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:	52 LACS			
		O & M cost:	0.5 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	Air Environment	Water for dust suppression	1
2	Socio-economic Environment	Sanitation	0.5
3	Socio-economic Environment	Disinfection at Site	0.5
4	Socio-economic Environment	Health check-up of workers	0.5
5	Environment management	Environmental Monitoring	7.26
6	Environment management	EMP for Batching Plant	1.20

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Waste Water Management	3 Nos. Of STPs of Total Capacity 781 KLD	91	14
2	Water Environment	3 Nos. Of RWH tanks of Total Capacity 190 KL	20	2.0
3	Solid Waste Management	Cost fot treatment of Biodegrabale waste of 1078 Kg/Day	55	6.5
4	Air Environment	Tree Plantation & Landscaping	44	2
5	Energy Conservation	Solar Panels	52	0.5

# 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



Sollan!

No Information Availab				
	53.	Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Two major junctions near the proposed development namely Bhagwan Shastri junction and MHADA Colony junction on P L Lokhande Marg and Ghatkopar Mankhurd Link Road respectively.		
	Number and area of basement:	2 Nos 5620.99 Sq. m		
	Number and area of podia:	NA		
	Total Parking area:	$8799.66\ \mathrm{Sq.\ m.}$ ( stilt parking on the ground floor + 2 basement parking)		
	Area per car:	17.6 Sq.m.		
	Area per car:	17.6 Sq.m.		
Parking details:	Number of 2- Wheelers as approved by competent authority:	30		
	Number of 4- Wheelers as approved by competent authority:	215 (Mechanical parking) + 255 = 470 Nos		
	<b>Public Transport:</b>	NA		
	Width of all Internal roads (m):	6 m		
	CRZ/ RRZ clearance obtain, if any:	NA		
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - Approx. 9.00 Km		
	Category as per schedule of EIA Notification sheet	Category 'B' 8(a) B2 {Building and Construction projects = 20,000 sq. m. and <1,50,000 sq. m. of built-up area}		
	Court cases pending if any	NA		
	Other Relevant Informations	NA		
2,	Have you previously submitted Application online on MOEF Website.	Yes		
	Date of online submission	12-09-2017		

# SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC



Sollan!

### **DECISION OF SEAC**

PP was absent; hence the project is deferred.

**Specific Conditions by SEAC:** 

### FINAL RECOMMENDATION

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

SI:AC.ACILINDA.OOOOO



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Sollan:

### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

### SEAC Meeting number: 89 Meeting Date February 20, 2019

**Subject:** Environment Clearance for Proposed residential cum commercial project on plot bearing S. No. 128 (old) 90 (new)/A4 & 4B & 2, of village Kanchangaon and S. No. 242A (old) 28 (new)/1/1 (pt) of Mouje Chole, Tal. Kalyan, Dist. Thane, Maharashtra by Shree Sai Balaji Enterprises

Is a Violation Case: Yes

is a violation case: 1es					
1.Name of Project	Shree Sai Balaji Enterprises				
2.Type of institution	Private				
3.Name of Project Proponent	Krishndas Kuttan Gurukal, Shree Sai Balaji Enterprises				
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. 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 bearing S. No. 128 (old) 90 (new)/A4 & 4B & 2, of village Kanchangaon and S. No. 242A(old) 28 (new)/1/1 (pt) of Mouje Chole, Tal. Kalyan, Dist Thane, Maharashtra				
9.Taluka	Kalyan				
10.Village	Kanchangaon & Mouje Chole				
<b>Correspondence Name:</b>	Krishndas Kuttan Gurukal, Shree Sai Balaji Enterprises				
Room Number:	-				
Floor:					
Building Name:					
Road/Street Name:	-				
Locality:	-				
City:	-				
11.Area of the project	Kalyan Dombivali Municipal Corporation (KDMC)				
	Plan approved from KDMC vide letter no. KDMC/DOM/2012-13/99/208 dt 07.11.2013				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Plan approved from KDMC vide letter no. KDMC/DOM/2012-13/99/208 dt 07.11.2013				
	Approved Built-up Area: 19472.05				
13.Note on the initiated work (If applicable)	Work started as per the sanction/approvals received from KDMC vide letter no. KDMC/DOM/2012-13/99/208 dt 07.11.2013 ; FSI: 19,472.05 m2, Non FSI: 6,547.1 m2 & constructed area: 26,019.15 m2				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan Approved by KDMC vide letter No. KDMC/DOM/2012-13/99/208 dt 07.11.2013				
15.Total Plot Area (sq. m.)	13,660.00 m2				
16.Deductions	4,411.96 m2				
17.Net Plot area	9,248.04 m2				
	a) FSI area (sq. m.): 19,472.05 m2				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 6,547.1 m2				
Non 101)	c) Total BUA area (sq. m.): 26019.15				
	Approved FSI area (sq. m.): 19,472.05 m2				
18 (b).Approved Built up area as per DCR					
	Date of Approval: 07-11-2013				
19.Total ground coverage (m2)	3,875 m2				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36 %				
21.Estimated cost of the project	95000000				



SEAC Meeting No: 89 Meeting Date: February 20, 2019



	22.Number of buildings & its configuration								
Serial number	Buildin	ng Name & n	umber	Nu	mber of floors	Не	eight of the building (Mtrs)		
1	Building	g No. 1 (A to l	D wing)	S (pt) + 0	G (pt) +1st to 7th floo	or	23.25		
2	Bldg. No. 2 (A to D wing)			S (pt) + G	(pt) + 1st to 7th flo	or	23.25		
3	Bldg. No. 3 (A to C wing)			S (pt) + G	(pt) + 1st to 7th flo	or	23.25		
4	Bldg. No. 4 (A to C wing)			S (pt) + G	(pt) + 1st to 7th flo	or	23.25		
5		Club House			G+1		7.5		
23.Number tenants an		Flats: 469 N Shops: 33 N		47.68 m2)					
24.Number expected r users		Population:	2,400 Nos.						
25.Tenant density per hectare 345/Ha							2		
26.Height of the building(s)									
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)  24.0 m & 18.0 m wide DP roads									
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	9 m							
29.Existing structure (		NA	.^	77					
30.Details of the demolition with disposal (If applicable)									
			31.P	roduct	ion Details				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M	1)	Total (MT/M)		
1	Not ap	plicable	Not app	olicable	Not applicable		Not applicable		
	CY	3	2.Tota	l Wate	r Requirem	ent			

	Source of water		KDMC						
	Fresh water (CM)	D).	212 KLD						
	<u> </u>	<i>υ</i> ).	212 KLD						
	Recycled water - Flushing (CMD):		107 KLD						
	Recycled water - Gardening (CMD	):	9 KLD						
	Swimming pool make up (Cum):		NA						
Dry season:	Total Water Requirement (CN:	AD)	319 KLD						
	Fire fighting - Underground wat tank(CMD):	ter	As per CFO	NOC					
	Fire fighting - Overhead water tank(CMD):		As per CFO NOC						
	Excess treated wa	ater	179 KLD						
	Source of water		KDMC + RV	VН					
	Fresh water (CM	<b>D)</b> :	135 + 78 K	LD					
	Recycled water - Flushing (CMD):		107 KLD						
	Recycled water - Gardening (CMD	):	Nil						
	Swimming pool make up (Cum):		NA						
Wet season:	Total Water Requirement (CN:	AD)	319 KLD						
	Fire fighting - Underground was tank(CMD):	ter	As per CFO	As per CFO NOC					
	Fire fighting - Overhead water tank(CMD):		As per CFO NOC						
	Excess treated wa	ater	188 KLD						
Details of Swimming pool (If any)	NA								
^	33.De	tail	s of Tota	l water o	onsume	d			
Particula cons	sumption (CMD)		]	Loss (CMD)		Ef	ffluent (CM	D)	
Water Require ment Existing	Proposed Tot	al	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic Not applicable	Not No applicable applic		Not applicable						



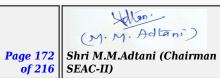


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	Level of the Ground						
	water table:	3-4 m					
	Size and no of RWH tank(s) and Quantity:	2 tanks of total 160 KL capacity					
34.Rain Water Harvesting (RWH)	Location of the RWH tank(s):	Underground					
	Quantity of recharge pits:	2 No. of recharge pits					
	Size of recharge pits :	2.5 m x 2.0 m x 3.0 m					
	Budgetary allocation (Capital cost) :	40 lakh					
	Budgetary allocation (O & M cost) :	2 lakh/y					
	Details of UGT tanks if any:	Underground					
25.01	Natural water drainage pattern:	Towards East side of the plot					
35.Storm water drainage	Quantity of storm water:	1,191.84 m3/hr					
	Size of SWD:	350 mm x 550 mm					
	Sewage generation in KLD:	299 KLD					
	STP technology:	MBBR Technology					
Sewage and	Capacity of STP (CMD):	1 STP of total 325 KLD capacity					
Waste water	Location & area of the STP:	Location: Ground ; Area provided: 180 m2					
	Budgetary allocation (Capital cost):	75 Lakh					
	Budgetary allocation (O & M cost):	17 Lakh/y					
		d waste Management					
Waste generation in	Waste generation:	Construction debris: 750 m3					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	The construction debris is utilized at site for Road Paving. Excavation was done for foundation purposes only and excavated material was utilized for backfilling purpose only.					
	Dry waste:	473 kg/d					
	Wet waste:	710 kg/d					
Wasta ganaration	Hazardous waste:	NA					
Waste generation in the operation Phase:	Biomedical waste (If applicable):	NA					
I MUOU	STP Sludge (Dry sludge):	3 m3/day					
	Others if any:	Household E-Waste Generation					







	Dry wast			Dry garbage is disposed off to authorized recyclers				clers		
		Wet waste	:	including S	Wet garbage/biodegradable matter as leftover food, vegetables including STP sludge is composted by Mechanical Composting unit (EcoBiocompack)					
Mode of l	Mode of Disposal		waste:	NA						
of waste:	Disposai	Biomedica applicable		NA NA						
		STP Sludgesludge):	e (Dry	Sludge use	as ma	nure f	or gardening	ſ		
		Others if a	ny:	The E-wast by MPCB (i			over to E-wa	ste manage	ement vendor authorized	
		Location(s	):	Ground floo	or					
Area requirem	ent:	Area for the of waste & material:		50 m2						
		Area for m	achinery:	30 m2						
Budgetary		Capital cos	st:	32 Lakh						
(Capital co O&M cost)		O & M cos	t:	13 Lakh/y						
			37.E	ffluent C	hare	cter	estics			
Serial			***	Inlet E	Effluer	nt	Outlet	Effluent	Effluent discharge	
Number	Paran	1eters	Unit	Charect	teresti	ics		erestics	standards (MPCB)	
1	Not app	olicable	Not applicable	Not applicable Not applicable Not applicable						
Amount of e (CMD):	effluent gene	ration	Not applie	able						
Capacity of	the ETP:		Not applie	able						
Amount of t recycled:	reated efflue	ent	Not applie	able						
Amount of v	vater send to	the CETP:	Not applie	cable						
	of CETP (if		Not applie							
Note on ETI	P technology	to be used	Not applie	able						
Disposal of	the ETP slud	lge	Not applie	able						
			38.H	azardous	Was	ste D	<b>Details</b>			
Serial Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Total	Method of Disposal	
1	Not app	olicable	Not applicable	Not applicable		ot cable	Not applicable	Not applicable	Not applicable	
	GY		39.9	Stacks em	issio	n D	etails		•	
Serial Number	Section	On At linite		sed with antity	ed with Stack No.		Height from ground level (m)	Internal diameter (m)	Lomp of Exhauct	
1	Not app	Not applicable Not ap		pplicable	plicable Not applicable		Not applicable	Not applicable	Not applicable	
			40.D	etails of <b>E</b>	uel	to b	e used			
Serial Number	Тур	e of Fuel		Existing			Proposed		Total	
1	Not	applicable		Not applicabl	le	N	Not applicabl	е	Not applicable	
				Not applicable Not applicable Not applicable					* *	



41. Source of Fuel Not a		Not a	applicable		
42.Mode of Transportat	ion of fuel to site	Not a	pplicable		
	·				
	Total RG area:		RG area required: 1,632 m2 , RG area provided: 1,896 m2		
	No of trees to be cut :		Nil		
43.Green Belt	Number of trees to be planted :		140 Nos (Trees planted till date: 47 Nos.)		
Development	List of proposed native trees :		As mention Below		
	Timeline for completion of plantation :		1 year		

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

	TINTUMBET UNIC	i list of trees spe	eres to be plunted	a in the ground
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstromia Reginea	Taaman	10	Official state tree
2	Saraca indica	Sita Ashok	8	Hardly evergreen tree, grows well in warm climate
3	Azadirachta Indica	Neem	8	Hardy evergreen tree, has medicinal properties
4	Mangifera indica	Mango	6	Large tree Fruit tree attracting birds
5	Lawsonia inermis	Mehandi	6	Evergreen tree, has medicinal properties
6	Anthocephalus kadamba	Kadamb	12	Deciduous tree, large foliage & beautiful tree
7	Murraya exotica	Kunti	10	Small, evergreen tree, good for gardens
8	Michelia champaca	Son Chafa	12	Medium sized evergreen tree, fragrant yellow flowers
9	Cassia fistula	Bahava	12	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
10	Alstonia scholaris	Satvin	8	Shady, large evergreen tree, white fragrant flowers
11	Pongamia pinnata	Karanj	12	Shady tree
12	Albizia lebbeck	Shirij	10	Shady tree, yellowish green fragrant flowers
13	Hyophorbe lagenicaulis	Bottle palm tree	8	Palm tree good for roadside plantation
14	Cocos nucifera	Coconut tree	10	Palm tree and has many medicinal and nutritional uses
15	Tamarindus Indica	Tamarind	8	Large fruit tree attracting birds
16	Total	-	140	-
45	5.Total quantity of plan	nts 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	-	-	-



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				47.Eı	nero	IV			
		Source of	power	MSEDCL					
		supply :  During Co Phase: (De		250 kVA					
		DG set as back-up du constructi	ıring	250 kVA					
Pov	MOR	During Op phase (Cor load):		2.2 MW					
require		During Op phase (Der load):		1.4 MW					
		Transform	er:	-					
		DG set as back-up do operation	ıring	2 x 250 kVA	A		00		
		Fuel used:		HSD					
		Details of tension linthrough thany:	e passing	No	No				
		48.Ene	rav savi	na by no	n-co	nventional m	ethod:		
• Solar Hot • Solar PV p				119 13y 110		3			
		4	9.Detail	calculati	ons	& % of saving	g:		
Serial Number	E	nergy Cons	ervation M	easures			Saving %		
1		Total E	nergy Savin	g			23.1%		
		50	.Details	of pollut	ion (	control Syste	ms		
Source	Ex	isting pollu	tion contro	l system Proposed to be installed					
Not applicable		Not	applicable				Not applicable		
Budgetary	allocation	Capital co	st:	30 Lakhs					
(Capital O&M	cost and cost):	O & M cos	t:	1.5 Lakh/y					
51	Envir	onment	tal Mar	nageme	ent j	plan Budg	etary Allocation		
		a)	Construc	ction pha	se (	with Break-u	p):		
Serial Number	Affribilities   Parai		meter			er annum (Rs. In Lacs)			
1		-		-			-		
		b	Operat	ion Phas	e (w	ith Break-up	):		
Serial Number	Comp	onent	Descr	ription	Cap	ital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1	STP (T	ertiary)	Continuo	us O & M		75	17		



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2	Solar PV panels and Solar Hot water System	Weekly	30	1.5
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	40	2
4	Solid waste Composting plant	Continuous O & M	32	13
5	Landscape development	Daily	19	3
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

# 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:	24.0 & 18.0 m wide DP roads			
	Number and area of basement:	Not Applicable			
	Number and area of podia:	Not Applicable			
	Total Parking area:	3,115 m2			
	Area per car:	28.5 m2			
	Area per car:	28.5 m2			
Parking details:	Number of 2- Wheelers as approved by competent authority:	450 Nos.			
	Number of 4- Wheelers as approved by competent authority:	Req: 96 Nos & Provided: 96 Nos.			
	Public Transport:	NA			
	Width of all Internal	24.0 & 18.0 m wide DP roads			



roads (m):





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

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67<sup>th</sup>SEAC-2 meeting held on 31-08-2018.

### **DECISION OF SEAC**

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67<sup>th</sup>SEAC-2 meeting held on 31-08-2018.

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 in 87th SEAC-2 meeting held on 7/02/2019 committee 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)

**Specific Conditions by SEAC:** 

### FINAL RECOMMENDATION

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



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### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

Subject: Environment Clearance for Kalpataru Riverside - Subdivided plot A part

Is a Violation Case: Yes

Is a Violation Case: Yes					
1 Nome of Droingt	Residential Project, Plot bearing F.P. No. bearing F.P. No. 458 (Pt.), 497 (Pt.) & 498 (Pt.) of				
1.Name of Project	Panvel, Opp. Panchmukhi Maruti Mandir, Tal: Panvel Dist. Raigad, Maharashtra.				
2.Type of institution	Private				
3.Name of Project Proponent	M/s. Kalpataru + sharyans				
4.Name of Consultant	M/s. Enviro Analyst and Engineers Pvt. Ltd.				
5.Type of project	Housing 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	Yes , Earlier EC received on dated 13-03-2007 (Ref. No. 21-662/2006-IA-III)				
8.Location of the project	Plot bearing F.P. No. 458 (Pt.), 497 (Pt.) & 498 (Pt.) of Panvel, Opp. Panchmukhi Maruti Mandir				
9.Taluka	Panvel				
10.Village	Panvel				
<b>Correspondence Name:</b>	Suresh Mehta				
Room Number:	101				
Floor:	10th floor				
Building Name:	Kalpataru Synergy				
Road/Street Name:	Opp. Grand Hyatt				
Locality:	Vakola, Santacruz (W)				
City:	Mumbai				
11.Area of the project	Panvel Municipal Corporation				
	Occupation documents				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Occupation received for last building is under Outward no PMC/ PW No. 1912/2013				
	Approved Built-up Area: 51000				
13.Note on the initiated work (If applicable)	Construction of all the buildings are completed and handed over to society.				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA				
15.Total Plot Area (sq. m.)	44,459.13 sq. mt.				
16.Deductions	10,030.88 sq. mt.				
17.Net Plot area	34,428.25 sq. mt.				
10 (c) Provide A. P. The Arms (FOLS)	a) FSI area (sq. m.): 54,749.50				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 51,822.52				
	c) Total BUA area (sq. m.): 106572.42				
40 (L) A LD 'll	Approved FSI area (sq. m.): 54,749.06				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 51,822.52				
	Date of Approval: 26-03-2013				
19.Total ground coverage (m2)	7810.88				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.65 %				
21.Estimated cost of the project	2794000000				

# 22. Number of buildings & its configuration



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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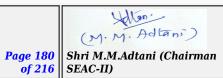
Shri M.M.Adtani (Chairman SEAC-II)

Serial number	Buildin	ng Name & n	umber	Nu	mber of floors	Height o	of the building (Mtrs)		
1	Bldg. No	. 1 : Wing A, I	3, C & D	1B + St	ilt + 13 upper floors		42.31		
2	Bldg. N	o. 2 : Wing A,	B & C	Stilt	+ 13 Upper floors		42.31		
3	Bldg. N	o. 3 : Wing A,	В, & С	Stilt	+ 13 Upper floors		42.31		
4	Bldg. No	. 4 : Wing A, I	3, C & D	1B + St	ilt + 13 upper floors		42.31		
5		Clubhouse		part base	ment + Ground + 1st floor		8.0		
6	A	Amenity Bldg.		Gro	ound + 1st floor		8.85		
23.Number tenants an		714 Residen	tial units						
24.Number expected r users		3,570 No.							
25.Tenant per hectar		207 per hect	or						
26.Height building(s)									
(Width of the from the nation to the first term)	27.Right of way (Width of the road from the nearest fire station to the proposed building(s)  18.29 m. wide T. P. road and 9.15 m. D P road								
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	6.0 mt.			Y.00				
29.Existing structure		Bldg no 1 to	4 with club	house and a	menity bldg along wi	h ancillary bui	ldings.		
demolition disposal (I	30.Details of the demolition with disposal (If applicable)								
			31.P	roduct	ion Details				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	-	Гotal (MT/M)		
1	Not app	plicable	Not app	plicable	Not applicable		Not applicable		
	32.Total Water Requirement								

	Source of water	PMC/ treated water						
Dry season:	Fresh water (CMD):	328 KLD	328 KLD					
	Recycled water - Flushing (CMD):	170 KLD	170 KLD					
	Recycled water - Gardening (CMD):	64 KLD	64 KLD					
	Swimming pool make up (Cum):	10 KL						
	Total Water Requirement (CMD :	562 KLD	562 KLD					
	Fire fighting - Underground water tank(CMD):	300 Cu. m.	300 Cu. m.					
	Fire fighting - Overhead water tank(CMD):	420 Cu. m. (	420 Cu. m. (cumulative)					
	Excess treated water	r 214 KLD	214 KLD					
	Source of water	PMC/ treate	PMC/ treated water					
	Fresh water (CMD):	328 KLD	328 KLD					
	Recycled water - Flushing (CMD):	170 KLD	170 KLD					
	Recycled water - Gardening (CMD):	-						
	Swimming pool make up (Cum):	-	-					
Wet season:	Total Water Requirement (CMD):	498 KLD	498 KLD					
	Fire fighting - Underground water tank(CMD):	300 Cu. m.						
	Fire fighting - Overhead water tank(CMD):	420 Cu. m. (cumulative)						
	Excess treated water 278 KLD							
Details of Swimming pool (If any)								
33.Details of Total water consumed								
Particula rs Consumption (CMD)		1	Loss (CMD)			Effluent (CMD)		
Water Require ment Existing	Proposed Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic -		-	-	-	-	-	-	







	1					
	Level of the Ground water table:	Below 4.0 mt.				
	Size and no of RWH tank(s) and Quantity:	Not provided				
	Location of the RWH tank(s):	Not provided				
34.Rain Water Harvesting	Quantity of recharge pits:	4 Nos. of rain water recharge pit				
(RWH)	Size of recharge pits :	4 Nos. of rain water recharge pit				
	Budgetary allocation (Capital cost) :	10 lakhs				
	Budgetary allocation (O & M cost) :					
	Details of UGT tanks if any :	Fire Fighting 300 cum-				
2	Natural water drainage pattern:	-				
35.Storm water drainage	Quantity of storm water:	Avg. diameter of SWD pipe : 450 mm				
	Size of SWD:	Avg. diameter of SWD pipe: 450 mm				
	Sewage generation in KLD:	498				
	STP technology:	SAFF				
Sewage and	Capacity of STP (CMD):	580				
Waste water	Location & area of the STP:	Basement				
	Budgetary allocation (Capital cost):	105 Lakhs				
	Budgetary allocation (O & M cost):	-				
		d waste Management				
Waste generation in	Waste generation:	Construction completed				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	-				
	Dry waste:	742 Kg/ Day				
	Wet waste:	1114 Kg/ Day				
<b>TA</b> 70 040	Hazardous waste:	NA NA				
Waste generation in the operation Phase:	Biomedical waste (If applicable):	NA				
	STP Sludge (Dry sludge):	-				
	Others if any:	NA				
	· · · · · · · · · · · · · · · · · · ·					



Dry waste:			Collection by Municipal authority							
		Wet waste			Being processed in OWC					
		Hazardous	*	NA						
Mode of lof waste:	Disposal	Biomedica applicable	l waste (If	NA	NA					
		STP Sludg sludge):	e (Dry	-						
	Others if a		ny:	-						
		Location(s	):	Ground floo	or					
Area requirem	ent:	Area for the of waste & material:		15.55 sq. m	t. including	machinery a	nd storage	of waste		
		Area for m	achinery:	15.55 sq. m	t. including	machinery a	nd storage	of waste		
Budgetary		Capital cos	st:	6.50 lakhs				$\Omega_{\lambda}$		
(Capital co O&M cost)		O & M cos	t:	-				12		
			37.E	fluent C	harecter	restics		<b>V</b>		
Serial Number	Paran	neters	Unit		ffluent erestics		Effluent cerestics	Effluent discharge standards (MPCB)		
1	р	Н	-	6	-8	6.5	-7.5	Not applicable		
2	S	S	mg/ l	250		5	0	Not applicable		
3	ВС	)D	mg/ l	2.	50	2	0	Not applicable		
4	C(	)D	mg/ l	300		5	0	Not applicable		
5	TI	OS	mg / l	0		(	0	Not applicable		
(CMD):	effluent gene	eration	Not applica	cable						
Capacity of			Not applica	cable						
Amount of t recycled :	reated efflue	ent	Not applica							
	water send to		Not applica							
-	p of CETP (if		Not applica							
	P technology		Not applica							
Disposal of	the ETP sluc	lge	Not applica							
			38.Ha	azardous	Waste I	Details		_		
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Not app	plicable	Not applicable	Not applicable	Not applicable	Not Not applicable		Not applicable		
			39.S	tacks em	ission D	etails				
Serial Number Section & units			sed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases			
1 Not applicable Not app			plicable	Not applicable	Not applicable	Not applicable	Not applicable			
			40.De	tails of <b>F</b>	uel to b	e used				
Serial Number	Тур	e of Fuel		Existing		Proposed		Total		



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1	Not applicable		Not applicabl	e No	t applicable	Not applicable		
41.Source of Fuel	**	Not	t applicable					
42.Mode of Transpo	ortation of fuel to		t applicable					
	Total RG a	rea :	10,649.49 s	q. mt.				
	No of trees	s to be cu	t	-				
	:	:						
43.Green Bel	Number of be planted		475 trees p	lanted.				
Development	List of pro native tree		-					
	Timeline f completion plantation	n of	completed					
44.1	Number and	l list of	trees spe	cies to be	planted in	the ground		
Serial Number	e of the plant	Comn	non Name	Quant	city Ch	aracteristics & ecological importance		
1	-		-	-				
45.Total quantity of plants on groun			und					
46.Number and list of shrubs and bushes species to be planted in the podium RC					d in the podium RG:			
Serial Number	Name		C/C Dista	nce		Area m2		
1	-		-			-		
			47.E	nergy				
	Source of supply:	power	MSEDCL					
		During Construction Phase: (Demand Load)		n is completed	1.			
	back-up du	DG set as Power back-up during construction phase						
D		During Operation phase (Connected						
Power requirement	During Op phase (Der load):		3188 KW	3188 KW				
6	Transform	er:	8 nos. of 63	8 nos. of 630 kVA each				
	DG set as back-up do operation	uring	2 nos. of 62	2 nos. of 625 kVA each				
	Fuel used:		Diesel					
	Details of tension lin through th any:	e passing	NA					
	48.Ene	ergy sav	ing by no	n-convent	ional metho	od:		



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- Energy efficient CFL & T5 tube light which give more light output for the same watts consumed and therefore require less nos, of fixtures.
- Use of VFD drives in lifts.
- Maximum use of natural ventilation and light.

49.Detail cal	culations	&	%	of	saving:
---------------	-----------	---	---	----	---------

Serial Number	Energy Conservation Measures	Saving %
1	As mentioned above	7 %

#### 50.Details of pollution control Systems

Source	<b>Existing pollution control system</b>	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocatio (Capital cost and		-
O&M cost):	O & M cost:	-

# 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	-	105	-
2	RWH		10	-
3	Solid waste management	-	6.50	-
4	Gardening	<u> </u>	105	-

# 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:

3 Nos. of entry/ exits



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	Number and area of basement:	1 no. of basement with area of 11505.62 sq. mt.
	Number and area of podia:	No podium is provided.
	Total Parking area:	11,498.96 sq. mt.
	Area per car:	21.48 sq. mt.
	Area per car:	21.48 sq. mt.
Parking details:	Number of 2- Wheelers as approved by competent authority:	Scooters = 360 Nos. Cycles = 718 Nos.
	Number of 4- Wheelers as approved by competent authority:	536 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 mt. wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Karnala Bird Sanctuary at 9.40 km
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Catagory B
	Court cases pending if any	No
	Other Relevant Informations	Show cause notice under section 5 of E. P. Act - 1986 was issued and same is duly replied.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

## Brief information of the project by SEAC

It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67<sup>th</sup>(Day -2) SEAC-2 meeting held on 01-09-2018

# **DECISION OF SEAC**



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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It is noted that proposal under consideration is Of Violation Of EIA Notification 2006, as amended defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018. ToR has been approved for the proposal in 67<sup>th</sup>(Day -2) SEAC-2 meeting held on 01-09-2018.

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 in 87th SEAC-2 meeting held on 7/02/2019 committee 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)

**Specific Conditions by SEAC:** 

#### FINAL RECOMMENDATION

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



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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

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#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

#### SEAC Meeting number: 89 Meeting Date February 20, 2019

 $\begin{array}{l} \textbf{Subject:} \ \, \text{Environment Clearance for Amendment in EC for Proposed S.R. Scheme on land bearing C.S. No. 177(pt), \\ 180(pt), 183(pt), 184(pt), 185(pt), 186(pt), 187(pt), 188(pt), 189(pt), 190(pt), 191(pt), 192(pt), 193(pt), 195(pt), 196(pt), \\ 197(pt), 198(pt), 202(pt), 215(pt) \& 22I(pt) \ \, \text{of Dadar Naigaon Division in Sewree Wadala Estate Scheme No. 57 and C.S.} \\ \text{no. } 804(pt), 805(pt), 808(pt), 809(pt), 810, 811(pt) \& 812(pt) \ \, \text{in K/S ward of MCGM, Mumbai for "Mamta Sahakari Gruha Nirman Sanstha (Ltd.)"} \\ \end{array}$ 

#### Is a Violation Case: Yes

is a violation case: Yes	15 d VIOIdCIOII Cd5e: 1e5				
1.Name of Project	Amendment in EC for Proposed S.R. Scheme on land bearing C.S. No. 177(pt), 180(pt), 183(pt), 184(pt), 185(pt), 186(pt), 187(pt), 188(pt), 189(pt), 190(pt), 191(pt), 192(pt), 193(pt). 195(pt), 196(pt), 197(pt), 198(pt), 202(pt), 215(pt) & 22I(pt) of Dadar Naigaon Division in Sewree Wadala Estate Scheme No. 57 and C.S. no. 804(pt), 805(pt), 808(pt), 809(pt), 810, 811(pt) & 812(pt) in K/S ward of MCGM, Mumbai for "Mamta Sahakari Gruha Nirman Sanstha (Ltd.)"				
2.Type of institution	Private				
3.Name of Project Proponent	M/s Shree Sukhakarta Developers Pvt. Ltd.				
4.Name of Consultant	AQURA Enviro Projects Pvt. Ltd.				
5.Type of project	SRA Scheme				
6.New project/expansion in existing project/modernization/diversification in existing project					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes Environmental Clearance Letter No. SEAC-2013/C.R318/TC-1 dated: 30th July 2013				
8.Location of the project	Proposed S.R. Scheme on land bearing C.S. No. 177(pt), 180(pt), 183(pt), 184(pt), 185(pt), 186(pt), 187(pt), 188(pt), 189(pt), 190(pt), 191(pt), 192(pt), 193(pt). 195(pt), 196(pt), 197(pt), 198(pt), 202(pt), 215(pt) & 22I(pt) of Dadar Naigaon Division in Sewree Wadala Estate Scheme No. 57 and C.S. no. 804(pt), 805(pt), 808(pt), 809(pt), 810, 811(pt) & 812(pt) in K/S ward of MCGM, Mumbai for "Mamta Sahakari Gruha Nirman Sanslha (Ltd.)"				
9.Taluka	Mumbai				
10.Village	Wadala				
Correspondence Name:	Mr. Amit Ruparel				
Room Number:	NA				
Floor:	12th				
<b>Building Name:</b>	Ruparel Iris				
Road/Street Name:	Senapati Bapat Marg				
Locality:	Matunga West Station				
City:	Mumbai				
11.Area of the project	Municipal Corporation of Greater Mumbai				
	SRA/ENG/1596/FS/ML/LOI dated 29.12.2016				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1596/FS/ML/LOI dated 29.12.2016				
	Approved Built-up Area: 35656.90				
13.Note on the initiated work (If applicable)	Sale Building :2B + G + 7Podium + 1 Amenity Floor + Residential 29 floors, Rehab Residential Building : 1B (Double Height) + Ground + 22 Floors. Total Constructed area till date is $71473.55$ sq.m. as per earlier EC obtained with vide letter no. SEAC-2013/CR-318/TC-1				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1596/FS/ML/LOI dated 29.12.2016				
15.Total Plot Area (sq. m.)	10,602.44 Sq.mt				
16.Deductions	1,465.88 Sq.mt. (DP R.G.), 1,771.08 Sq.mt. (Internal Road), 288.96 (15% RG TB Hospital) ,1271.10 (Area under TATA transmission line)				
17.Net Plot area	5805.42 Sq.m				
	a) FSI area (sq. m.): 35656.90 Sqm				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 48080.43 Sq.m				
	c) Total BUA area (sq. m.): 83737.33				



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

		Approved FS	<b>6I area (sq. m.):</b> 35656.90				
18 (b).Appro	oved Built up area as per	Approved No	Approved Non FSI area (sq. m.): 48080.43				
2011		Date of Approval: 29-12-2016					
19.Total gro	und coverage (m2)	3477.60 Sq.m	3477.60 Sq.m				
	overage Percentage (%) entage of plot not open	32.80 %					
21.Estimate	d cost of the project	4418200000					
	22.Number of buildings & its configuration						
Serial number	Ruilding Name & number		Number of floors	Height of the building (Mtrs)			

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building	1B (Double Height) + Ground + 22 upper Floors (G + 6 Residential Quarters for hospital Staff + Rehab residential flats & 7 to 22 rehab residential floors)	68.40
2	Sale Building	2B+G+7Podium+ Amenity floor + 46 Upper floors	196.10

Δ		Sale Building	46 Upper floors	196.10				
23.Number tenants an			Rehab Building: 540 flats Sale Building: 223 Flats Total Flats: 763					
24.Number expected rusers	- 0-	Rehab Building: 2160, S	sale Building: 1154, total residents: 33	314				
25.Tenant per hectar		681.56	681.56					
26.Height building(s)								
27.Right of (Width of the from the notation to the proposed has been station to the from the first the fir	the road earest fire the							
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	7.5m - 9m						
29.Existing structure (		Slums were demolished						
30.Details demolition disposal (I	with	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

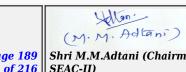


applicable)

	Source of w	ater	MCGM						
Fresh water (CMD)			298						
	Recycled wa Flushing (C		149						
	Recycled was		4						
	Swimming make up (C		-						
Dry season:	Total Water Requirement:		447						
	Fire fightin Undergroun tank(CMD)	nd water	650						
	Fire fightin Overhead w tank(CMD)	ater	80						
	Excess trea	ted water	209						
	Source of w	ater	MCGM						
	Fresh water	r (CMD):	298						
	Recycled was Flushing (C		109						
	Recycled was		-						
	Swimming make up (C								
Wet season:	Total Water Requirement:		447	, ,					
	Fire fighting - Underground water tank(CMD):		650						
	Fire fightin Overhead w tank(CMD)	ater	80						
	Excess trea	ted water	r 253						
Details of Swimming pool (If any)	3 CMD from	tanker							
	3:	3.Details	s of Tota	l water o	onsume	d			
Particula cons	sumption (Cl	MD)		Loss (CMD)		Ef	fluent (CM	D)	
Water Require ment Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic Not applicable	Not applicable	Not applicable	Not applicable	Not applicable					
-									







Sewage and   Waste water   Waste generation in the Pre Construction water generation in the poperation   Phase:   Size of reclarge pits   Solution of the RWII tank(s);   Size of reclarge pits   NA		Level of the Ground	between 3.0 to 3.5 m below ground				
tank(s) and Quantity: Location of the RWH tank(s):  Location of the RWH tank(s):  Quantity of recharge pits: Size of recharge pits: Size of recharge pits: Size of recharge pits: Induction (O & M cost):  Details of UGT tanks if any:  Details of UGT tanks if any:  NA  Details of UGT tanks if any:  Natural water drainage pattern:  Natural water drainage pattern:  Size of SWD:  Siz			between 3.0 to 3.3 in below ground				
Sewage and Waste water   Size of SWD:   Sewage generation in KID:   Sewage generation (Capital cost)   Size of SWD:   Solid waste Management   Size of SWD:   Solid waste water   Size of SWD:   Solid waste Management   Size of SWD:   S		tank(s) and					
34. Rain Water Harvesting (RWH)    Details of UGT tanks if any:   Details of UGT tanks if any			Rehab: Basement, Sale: Basement				
Size of recharge pits   NA	34.Rain Water		NA				
Budgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Capacity of STP (CMD):   Stewage and Waste water   Size of SWD:   Size of SWD:   Size of SWD:   Size of SWD:   STP, Rehab: 265 KLD, Sale: 140 KLD   Size of STP, Sale: 140 KLD   Size of S	Harvesting	Size of recharge pits :	NA				
Details of UGT tanks if any:  Natural water drain is laid at a slope of 1: 350 to the municipal outfall outside the plot. Rainwater from site shall be collected by network of storm water piping system through catch basins and ca			12 Lakh				
Details of UGT tanks if any:   Size of STP   Size of SWD:   Size of STP   Size of STP   Size of STP   Size of STP   Below Ground – Area of STP - Rehab: 265 KLD, Sale: 140 KLD   Size of STP   Below Ground – Area of STP - Rehab: 200 Sq. m, Sale: 90 Sq. m   Size of STP   Size			1 Lakh per annum				
Natural water drainage pattern:   Outside the plot. Rainwater piping system through catch basins and storm channel & then allowed to confect to the public storm water line outside the plot boundary.			Flushing: Rehab 100 CMD + Sale 52 CMD = Total 152 CMD Rain water harvesting tank: Rehab 44 CMD + Sale 36 CMD = Total 80 CMD				
Natural water drainage pattern:   Outside the plot. Rainwater piping system through catch basins and storm channel & then allowed to confect to the public storm water line outside the plot boundary.							
Quantity of storm water:			outside the plot. Rainwater from site shall be collected by network of storm water piping system through catch basins and storm channel & then allowed to connect to the public storm water line outside the plot				
Sewage and Waste water    Sewage generation in KLD:   MBBR		•	0.34 cum/s				
Sewage and Waste water  Capacity of STP (CMD):  Location & area of the STP:  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  Construction Debris  Waste generation in the Pre Construction and Construction waste debris:  Disposal of the construction waste debris:  Dry waste:  Dry waste:  Waste generation in the operation in the o		Size of SWD:	600 mm and 1000mm wide drain channel				
Sewage and Waste water  Capacity of STP (CMD):  Location & area of the STP:  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (Capital cost):  Budgetary allocation (O & M cost):  Construction Debris  Waste generation in the Pre Construction and Construction waste debris:  Disposal of the construction waste debris:  Dry waste:  Dry waste:  Waste generation in the operation in the o							
Sewage and Waste water    Capacity of STP (CMD):		in KLD:					
Sewage and Waste water    Location & area of the STP:   Budgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Budgetary allocation (O & M cost):   10.5 Lakh per annum			MBBR				
Waste water    Location & area of the STP:   Budgetary allocation (Capital cost):   Budgetary allocation (O & M cost):   Budgetary allocation (O & M cost):   10.5 Lakh per annum	Sewage and	(CMD):	2 nos of STP, Rehab: 265 KLD, Sale: 140 KLD				
Waste generation in the Pre Construction and Construction waste debris:  Waste generation in the Pre Construction and Construction waste debris:  Disposal of the construction and Desilting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.  Dry waste:  Waste generation in the operation Phase:  Prescription and Desilting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.  Wet waste:  Syr Kg/day  Wet waste:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February  Page 190 Shri M.M.Adtani (Chairman)	•	the STP:	Below Ground - Area of STP - Rehab: 200 Sq. m, Sale: 90 Sq. m				
Waste generation in the Pre Construction and Construction waste debris:  Waste generation by hase:  Waste generation by hase:  Waste generation bisposal of the construction waste debris:  Disposal of the construction and Desolltion		(Capital cost):	80 Lakh				
Waste generation in the Pre Construction and Construction waste debris:  Disposal of the construction and Disposal of construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.  Dry waste:  895 Kg/day  Wet waste: 597 Kg/day  Hazardous waste: NA  Biomedical waste (If applicable): STP Sludge (Dry sludge): Others if any: NA  Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February  Page 190 Shri M.M.Adtani (Chairman)			10.5 Lakh per annum				
the Pre Construction and Construction and Construction waste will be as per Construction and Demolition and De-silting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.    Dry waste:	5,	36.Solie	d waste Management				
and Construction phase:    Disposation of the construction waste debris:   Demolition and De-silting Waste (Management and Disposal) Rules 2006 at the designated site as directed by the MCGM.    Dry waste:   895 Kg/day	Waste generation in	Waste generation:	Construction Debris				
Wet waste: 597 Kg/day  Hazardous waste: NA  Biomedical waste (If applicable): NA  STP Sludge (Dry sludge): 42 Kg/day  Others if any: NA  Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February Page 190 Shri M.M.Adtani (Chairman	and Construction	construction waste	Demolition and De-silting Waste (Management and Disposal) Rules				
Waste generation in the operation Phase:  Hazardous waste: NA  Biomedical waste (If applicable): NA  STP Sludge (Dry sludge): 42 Kg/day  Others if any: NA  Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February Page 190 Shri M.M.Adtani (Chairman		Dry waste:	895 Kg/day				
Waste generation in the operation Phase:  Biomedical waste (If applicable):  STP Sludge (Dry sludge):  Others if any:  NA  Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February  Page 190 Shri M.M.Adtani (Chairman		Wet waste:	597 Kg/day				
in the operation Phase:    Biomedical waste (If applicable):   NA	Waste generation	Hazardous waste:	NA				
sludge): 42 Ng/ddy Others if any: NA  Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February Page 190 Shri M.M.Adtani (Chairman	in the operation		NA				
Mr. Surykant Nikam  SEAC Meeting No: 89 Meeting Date: February  Page 190   Shri M.M.Adtani (Chairman			42 Kg/day				
	Others if any: NA						
		SEAC Meeting N					

Dry waste:				recyclable.	Recyclable v		ed over to au	vclable and non- thorize vendors and adfill sites	
Mode of Disposal		Wet waste	:	Wet Garbage will be treated in Mechanical Composting Unit. Organic Waste Convertor (OWC) and the compost generated would be used as manure for gardening purpose and excess would be sold to authorize vendors.					
of waste:		Hazardous	waste:	NA					
		Biomedica applicable		NA					
		STP Sludg sludge):	e (Dry	Dry sludge would be used as manure for gardening purpose would be sold to authorize vendors.				ing purpose and excess	
		Others if a	ny:	NA					
		Location(s	s):	On Ground					
Area requirem	ent:	Area for the of waste & material:		Area 40 Sq. m					
		Area for m	achinery:	Total for 2	OWC - Area	20 Sq. m			
Budgetary (Capital co		Capital cos	st:	20 Lakh					
O&M cost)		O & M cos	t:	3.5 Lakh pe	r annum				
37.Effluent Charecterestics									
Serial Number	Paran	neters	Unit	Inlet Effluent Charecterestics		Outlet Effluent Charecterestics		Effluent discharge standards (MPCB)	
1	Not app	plicable	Not applicable	Not ap	Not applicable Not applicable Not applica			Not applicable	
Amount of e (CMD):	effluent gene	eration	Not applica	cable					
Capacity of	the ETP:		Not applica	ible					
Amount of trecycled:	reated efflue	ent	Not applica	able					
Amount of v	vater send to	the CETP:	Not applica	able					
Membershi	p of CETP (if	require):	Not applica	ıble					
Note on ET	P technology	to be used	Not applica	ıble					
Disposal of	the ETP sluc	lge	Not applica	ıble					
			38.Ha	zardous	Waste D	<b>Details</b>			
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal	
1	Not app	plicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
			39.St	tacks em	ission D	etails			
Serial Number	Section	& units		sed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	1 Not applicable Not app			plicable	Not applicable	Not applicable	Not applicable	Not applicable	
			40.De	tails of <b>F</b>	uel to b	e used			
Serial Number	Тур	e of Fuel		Existing		Proposed		Total	
								Udlan'	



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1	Not	applicable	Not applicable Not applicable			Not applicable		
41.Source	41.Source of Fuel		Not a	applicable				
42.Mode of	42.Mode of Transportation of fuel to site No.		Not a	applicable				
		Total RG area:		625.11 Sq. m				
		No of trees to be cut :		Nil Nil				
43.Gree		Number of trees to be planted :		44				
Development		List of proposed native trees :		Sita Ashok, Bakul, Neem, Parijatak, Kadamb				
		Timeline for completion of plantation :		After Completion	of construction work			

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoka	Sita Ashok	10	Shady tree with red-yellow flowers
2	Mimusops elengi	Bakul	8	Shady Tree, white fragrant flowers
3	Azadiracta indica	Neem	9	Large Tree with medicinal value
4	Nyctanthes arbortristis	Parijatak	8	Large tree, good for roadside plantation
5	Anthocephallus cadamba	Kadamb	9	Shady, large tree, ball shaped flowers.
45	Total quantity of plan	nts on ground		

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

Serial Number	Name	Area m2							
1	NA	NA	NA						
	47.Energy								
	Silve								



Sollan:

		Source of power supply:	B.E.S.T.				
		During Construction Phase: (Demand Load)					
		DG set as Power back-up during construction phase	NA	NA			
Pov	vor.	During Operation phase (Connected load):	8849 KW	8849 KW			
require		During Operation phase (Demand load):	7079.2 KW	7079.2 KW			
		Transformer:	Transforme	er size	will be decided by	vendor	
		DG set as Power back-up during operation phase:	2 nos of DO	2 nos of DG set with 1250 KVA & 630 KVA			
		Fuel used:	HSD				
		Details of high tension line passin through the plot if any:	Yes	Yes			
		48.Energy sa	ving by no	n-co	nventional m	nethod:	
	PV panels for Hot Water	for common area light					
		49.Deta	il calculat	ions	& % of savin	g:	
Serial Number	E	nergy Conservation		<b>X Y Y Y Y Y Y Y Y Y Y</b>		Saving %	
1		Solar power + ECBC	Savings			15%	
		50.Detail	s of pollut	ion (	control Syste	ms	
Source	Ex	isting pollution con	rol system		Pro	posed to be installed	
Not applicable		Not applicabl				Not applicable	
Budgetary		Capital cost:	60 lakh				
(Capital O&M		O & M cost:	2.5 Lakh/a	2.5 Lakh/annum			
51	.Envir	onmental Ma	nageme	ent j	plan Budg	etary Allocation	
	C	a) Constr	uction ph	ase (	with Break-u	p):	
Serial Number	Attri	butes Pa	rameter		Total Cost p	er annum (Rs. In Lacs)	
1	Water Environment Drinking		king water			1.0	
2	Hea	Health Sanita				2.0	
3	Health Health c		h check up			1.0	
4	Air Environment Water for suppress					1.0	
		b) Opera	ation Phas	se (w	ith Break-up	):	
Serial Number	Comp	onent Des	cription	Cap	oital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)	



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

1	STP & Sewerage network	2 nos of STP, Rehab: 265 KLD, Sale: 140 KLD	80	10.5
2	RWH System	Sale - 2 day capacity of 36 cum tank, Rehab - 2 day capacity of 44 cum tank	12	1
3	Environmental Monitoring	6 monthly monitoring	0	5
4	Solid Waste Management	Organic waste Converter	20	3.5
5	Solar Installation	Solar PV panels & Solar Hot water geyser	60	2.5
6	Landscaping	Plantation & Maintenance of trees	10	1

# 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:

Sirch

1



	Number and area of basement:	Rehab - 1 Basement - 2090.62 Sq. M. , Sale - 2 Basements: 4456.09 Sq. M.
	Number and area of podia:	Sale - 7 Podium - Area: 10739.19 Sq. M
	Total Parking area:	10739.19 Sq. M.
	Area per car:	13.75 sq. m
	Area per car:	13.75 sq. m
Parking details:	Number of 2- Wheelers as approved by competent authority:	50
	Number of 4- Wheelers as approved by competent authority:	248
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category 'B' 8(a) {Building and Construction projects = 20,000 sq. m. and <1,50,000 sq. m. of built-up area }
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-04-2018

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

## Brief information of the project by SEAC

PP Mr. Amit Ruparel & Architect Mr. Rahul were present during the meeting along with environmental consultant M/s. Aditya Environmental Services Pvt. Ltd.

The proposal under consideration is of violation of EIA Notification, 2006 amended time to time. It is noted that PP has applied in Amnesty window period described in notification issued by MoEF & CC vide letter dated 14.03.2017 and 08.03.2018



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#### **DECISION OF SEAC**

During meeting PP requested to time to submit his say on the proposal, Committee agreed to this & hence, the proposal is deferred

**Specific Conditions by SEAC:** 

#### FINAL RECOMMENDATION

Mr. Surykant Nikam (Secretary SEAC-II)



Sollan. (M.M. Adtani)

#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

Subject: Environment Clearance for Kalpataru Prime

Is a Violation Case: Yes						
1.Name of Project	I. T. Park building on plot no. D-3, in wagle Industrial Area of MIDC at Thane.					
2.Type of institution	Private					
3.Name of Project Proponent	M/s. Amber Real Estate Ltd.					
4.Name of Consultant	M/s. Enviro Analyst and Engineers Pvt. Ltd.					
5.Type of project	I. T. Park building					
6.New project/expansion in existing project/modernization/diversification in existing project						
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA					
8.Location of the project	Plot No. D -3					
9.Taluka	Thane					
10.Village	Thane					
Correspondence Name:	Narendra Lodha					
Room Number:	101					
Floor:	10th floor					
<b>Building Name:</b>	Kalpataru Synergy					
Road/Street Name:	Opp. Grand Hyatt					
Locality:	Vakola, Santacruz (W)					
City:	Mumbai					
11.Area of the project	MIDC area within Thane Municipal Corporation					
	Occupation drawings					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MIDC/ DE & PA-III/ SPA/ NP/ D-3/ IFMS - B31040 / 2013 and MIDC/ DE & PA-III/ SPA/ IFMS - A-35281/ 0f 2018					
	Approved Built-up Area: 23041.59					
13.Note on the initiated work (If applicable)	Construction of the building is completed and occupied.					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA					
15.Total Plot Area (sq. m.)	41,536.00 sq. mt.					
16.Deductions	0.00					
17.Net Plot area	11,536.00 sq. mt.					
40 ( ) B	a) FSI area (sq. m.): 23,041.59 sq. mt.					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 12,661.78 sq. mt.					
	c) Total BUA area (sq. m.): 35703.37					
	Approved FSI area (sq. m.): 23,041.59 sq. mt.					
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 12,661.78 sq. mt.					
	Date of Approval: 30-04-2013					
19.Total ground coverage (m2)	4717.75 sq. mt.					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.89 %					
21.Estimated cost of the project	1653100000					
22.Num	ber of buildings & its configuration					



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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

Serial number	Buildin	g Name &	number	Number of floors			eight of the building (Mtrs)		
1		Bldg. No. 1		1 B + Gr	ound + 5 upper floo	ors	27.45		
23.Number		Office spac	es						
24.Number expected r users		5531							
25.Tenant per hectar		4794.55	794.55						
26.Height building(s)									
27.Right o (Width of the from the number of the station to the proposed by the station to the st	the road earest fire the	12.0 mt. wi	12.0 mt. wide road No.16						
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	6.0 mt.	0 mt.						
29.Existing	(s) if any	Building is	completed.		000				
30.Details demolition disposal (I applicable	with f	NA		7	>,'				
			31.P	roduct	ion Details	6			
Serial Number	Pro	duct	Existing	(MT/M) Proposed (MT/M) Total (MT/M)					
1	Not ap	plicable	Not app	oplicable Not applicable Not applicable					
		3	32.Tota	l Wate	r <b>Requiren</b>	nent			
		Source of	water	MIDC/ Trea	ted Water				
		Fresh water (CMD):		111 KLD					
	^ \	Recycled v Flushing (		138 KLD					
	C >>	Recycled water - Gardening (CMD):		7 KLD					
	7	Swimming make up (		-					
Dry season:		Total Water Requirement (CMD)		256 KLD					
		Fire fighting - Underground water tank(CMD):		300 Cu. m.					
		Fire fighting - Overhead water tank(CMD):		40 Cu. m.					
		Excess tre	ated water	79 KLD					
Mr. Suryka	our Nikam	SEA.	C Mooting N	a 90 Maatin	a Dato, Fobruary	Page 109	(M. M. Adlani)  Shri M.M.Adtani (Chairman		



		Source of v	water	MIDC/ Trea	ted Water						
		Fresh water		111 KLD							
Recycled Flushing			vater -	138 KLD							
Recycled wa Gardening (			vater -	-							
		Swimming make up (		-							
Wet season	1:	Total Wate Requireme	-	249 KLD							
		Fire fightin Undergrou tank(CMD)	nd water	300 Cu. m.							
		Fire fightin Overhead v tank(CMD)	water	40 Cu. m.							
		Excess trea	ated water	86 KLD							
Details of Spool (If an		No swimmii	ng pool prov	ided.							
		3	3.Detail	s of Tota	l water o	consume	d				
Particula rs	Cons	umption (C	CMD)		Loss (CMD)		Effluent (CMD)				
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic	Not	Not Not applicable		Not	Not	Not	Not	Not	Not		
	applicable	applicable	applicable	applicable	applicable	applicable	applicable	applicable	applicable		
	аррисавіе	applicable	applicable	applicable	applicable	applicable	applicable	applicable	applicable		
	applicable	Level of th water table	e Ground	applicable below 4 me	¥	applicable	applicable	applicable	applicable		
	аррисаме	Level of th	e Ground e: o of RWH		tres	applicable	applicable	applicable	applicable		
	аррисаме	Level of th water table Size and no tank(s) and	e Ground e: o of RWH	below 4 me	tres	applicable	applicable	applicable	applicable		
34.Rain V	Vater	Level of th water table Size and no tank(s) and Quantity: Location o	e Ground e: o of RWH d	below 4 me Not provide	tres	applicable	applicable	applicable	applicable		
34.Rain V Harvestin (RWH)	Vater	Level of th water table Size and no tank(s) and Quantity: Location o tank(s): Quantity o	e Ground e: o of RWH d f the RWH	Not provide  Not provide  6 nos. of pit	tres ed	applicable	applicable	applicable	applicable		
Harvestin	Vater	Level of th water table Size and no tank(s) and Quantity: Location of tank(s): Quantity of pits:	e Ground e: o of RWH d f the RWH f recharge harge pits allocation	Not provide  Not provide  6 nos. of pit	ed ed es proposed.	applicable	applicable	applicable	applicable		
Harvestin	Vater	Level of th water table Size and notank(s) and Quantity: Location of tank(s): Quantity of pits: Size of reconstruction:	e Ground e: o of RWH d f the RWH f recharge harge pits allocation est):	Not provide  Not provide  6 nos. of pit  6 nos. of pit	ed ed es proposed.	applicable	applicable	applicable	applicable		
Harvestin	Vater	Level of th water table Size and notank(s) and Quantity: Location of tank(s): Quantity of pits: Size of recessive and pits: Budgetary (Capital conditions)	e Ground e: o of RWH d f the RWH f recharge harge pits allocation est): allocation est):	Not provide  Not provide  6 nos. of pit  15.0 Lakhs  0.30 Lakhs	ed ed es proposed.	applicable as of 300.0 Co			applicable		
Harvestin	Vater	Level of the water table Size and not tank(s) and Quantity: Location of tank(s): Quantity of pits: Size of reconstruction: Budgetary (Capital construction of tank construction) Budgetary (O & M construction) Details of tank construction.	e Ground e: o of RWH d f the RWH f recharge harge pits allocation est): allocation est):	Not provide  Not provide  6 nos. of pit  15.0 Lakhs  0.30 Lakhs	ed ed es proposed.				applicable		
Harvestin (RWH)	Vater	Level of the water table Size and not tank(s) and Quantity: Location of tank(s): Quantity of pits: Size of reconstruction: Budgetary (Capital construction of tank construction) Budgetary (O & M construction) Details of tank construction.	e Ground e: o of RWH d f the RWH f recharge harge pits allocation est): allocation st):	Not provide  Not provide  6 nos. of pit  15.0 Lakhs  0.30 Lakhs	ed ed es proposed.				applicable		
Harvestin	Vater	Level of th water table Size and not tank(s) and Quantity: Location of tank(s): Quantity of pits: Size of recomplete: Budgetary (Capital condition of tank): Details of the first any:	e Ground e: o of RWH d f the RWH f recharge harge pits allocation est): allocation st): UGT tanks	below 4 me  Not provide  Not provide  6 nos. of pit  15.0 Lakhs  0.30 Lakhs  Fire Fightir	tres  ed  ed  es proposed.  es proposed.		u. m. provide		applicable		
Harvestin (RWH)	Vater	Level of the water table Size and not tank(s) and Quantity: Location of tank(s): Quantity of pits: Size of reconstruction: Budgetary (Capital construction of tank): Details of the tank of the tank of the tank of ta	e Ground e: o of RWH d f the RWH f recharge harge pits allocation est): allocation st): UGT tanks  atter eattern: f storm	below 4 me  Not provide  Not provide  6 nos. of pit  15.0 Lakhs  0.30 Lakhs  Fire Fightir  Maximum of	tres  ed  ed  es proposed.  es proposed.  g U. G. tank  discharge : 0.	as of 300.0 Co	u. m. provide		applicable		

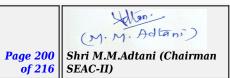


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		Sewage ger in KLD:	neration	249 KLD					
			ology:	SAFF					
Sewage and		Capacity of (CMD):	STP	1 no. of 275 KLD capacity					
Waste w		Location & the STP:	area of	Basement					
		Budgetary (Capital cos		30 Lakhs					
		Budgetary (O & M cos		7.74 Lakhs/ year					
		3	6.Soli	d waste Manag	gement				
Waste gene	eration in	Waste gene	eration:	Construction is complete	ed.				
the Pre Cor and Constr phase:		Disposal of construction debris:		-					
		Dry waste:		664 Kg/ day					
		Wet waste:		443 Kg/ day					
Waste gei	noration	Hazardous	waste:	NA					
in the ope		Biomedical waste (If applicable):		NA					
	STP Sludge sludge):		e (Dry	27 kg/ day					
		Others if an	ny:	-					
		Dry waste:		Disposed off through the vendors for recycling					
		Wet waste:		Treated in OWC					
3.5 3 6.7		Hazardous	waste:	NA					
Mode of I of waste:	Disposal	Biomedical waste (If applicable):		NA					
		STP Sludge sludge):	e (Dry	Used as manure					
		Others if an		No					
		Location(s)		Basement					
Area requireme	ent:	Area for the of waste & material:		15.0 sq. mt. with machinery and storage of waste					
		Area for ma	achinery:	15.0 sq. mt. with machinery and storage of waste					
Budgetary	allocation	Capital cos		5.10 lakhs					
(Capital cost):		O & M cost		1.80 Lakhs/ year					
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				fluent Charectere	estics				
Serial Number	Paran	neters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)			
1	p	Н	mg/ l	6-8	6.5 - 7.5	Not applicable			
2	S	S	mg/ l	250	50	Not applicable			
3	ВС	)D	mg/ l	250	20	Not applicable			
4	CC	OD	mg/ l	300	50	Not applicable			







5	TI	OS	mg	r/ l	(	0		(	0	Not applicable	
Amount of e	effluent gene	eration	Not applicable					•			
Capacity of	the ETP:		Not a	pplica	ble						
Amount of trecycled:	reated efflue	ent	Not a	pplica	ble						
Amount of v	vater send to	o the CETP:	Not a	pplica	ble						
Membershi	p of CETP (if	frequire):	Not a	pplica	ble						
Note on ET	P technology	to be used	Not a	pplica	ble						
Disposal of	the ETP sluc	lge	Not a	pplica	ble						
			38	В. <b>Н</b> а	zardous	Wast	te D	etails			
Serial Number	Descr	iption	Ca	ıt	UOM	Exist	ing	Proposed	Total	Method of Disposal	
1	Not app	plicable	No applio		Not applicable	Not applied		Not applicable	Not applicable	Not applicable	
			3	9.St	acks em	issioı	n De	etails			
Serial Number	Section	& units	Fuel Use Quan			Stack	No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not app	plicable	N	ot app	plicable	Not applied		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 ap				Not applicable			
41.Source	f Fuel			Not a	pplicable						
42.Mode of	Transportat	ion of fuel to	site	Not a	pplicable						
			^	$\langle \rangle$	>>						
		Total RG a	rea :	Y	1153.60 sq.	. mt.					
		No of trees	s to be	cut	-						
43.Gree	n Belt	Number of be planted	LIUV Troop planted								
Develop		List of pro	posed		-						
	5	Timeline f completion plantation	or n of		-						
	44.Nu	mber and	l list	of t	rees spe	cies t	o b	e plante	d in the	ground	
Serial Number	Name of	the plant	Со	mmo	n Name		Qua	ntity	Charact	eristics & ecological importance	
1		-						-			
45	.Total qua	ntity of plar	nts on	groui	nd						
46.Num	ber and	list of sl	hrubs	s an	d bushes	spec	cies	to be pla	anted in	the podium RG:	
Serial Number		Name			C/C Dista	nce			Are	a m2	
1		-			-					-	
Mr. Sund	ort Nilsam	CEA	C Mast	tina N	o. 90 Mosti-	a Data	Fob	De -	o 201	M. M. Adtani)	



		47.Energy
	Source of power supply:	MSEDCL
	During Construction Phase: (Demand Load)	Construction is already completed.
	DG set as Power back-up during construction phase	Construction is already completed.
Power	During Operation phase (Connected load):	3600 KW
requirement:	During Operation phase (Demand load):	2500 KW
	Transformer:	2 Nos. of 2500 kVA each
	DG set as Power back-up during operation phase:	2 Nos. of 2000 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

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

- Energy efficient LED, T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures.
- Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
- Timer based lighting for parking areas.
- Use of VFD drives in lifts.

49.	Detail	calculations	&	%	of	saving
49.	Detail	Calculations	CX	/0	UI	Saville

Serial Number	E	nergy Conservation Mo	easures	Saving %				
1		As mentioned above	е	15 %				
	50.Details of pollution control Systems							
Source	Ex	isting pollution contro	l system	Proposed to be installed				
Not applicable		Not applicable		Not applicable				
Budgetary allocation (Capital cost and O&M cost):		Capital cost:	-					
		O & M cost:	-					

## 51. Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	-	-	-

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



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1	STP	-	30.0	7.74
2	Gardening	-	26.31	4.20
3	Solid Waste management	-	5.10	1.80
4	RWH	-	15.0	0.30

# 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**

l					
Nο	Inform	nation	Δvai	lahl	ρ

53.	Traffic	Management
Nos of the junction		

	Nos. of the junction to the main road & design of confluence:	1 entry and 1 exit
	Number and area of basement:	1 Basement with area of 6964.03 sq. mt.
	Number and area of podia:	No podium is provided
	Total Parking area:	7553.24 sq. mt.
	Area per car:	28.18 sq. mt.
	Area per car:	28.18 sq. mt.
Parking details:	Number of 2- Wheelers as approved by competent authority:	26
C	Number of 4- Wheelers as approved by competent authority:	268
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1.71 Km



Category as per schedule of EIA Notification sheet	Schedule 8(a), Catagory B
Court cases pending if any	NA
Other Relevant Informations	-
Have you previously submitted Application online on MOEF Website.	No
Date of online submission	-

#### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

## Brief information of the project by SEAC

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

PP and Environment Consultant has disclosed that, construction 35703.37 Sq.mt has already been carried out and agreed that it is a violation of EIA Notification. PP informed that, Building completion Certificate & Occupancy certificate received from MIDC- Special Planning Authority vide letter dated 2013.

PP informed that, the project is an information Technology Park situated in Wagle Industrial Estates. The project comprises construction of one Industrial shed having basement + ground floor+5 Upper floors. PP further informed that the project received IGBC gold certification.

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 in 87<sup>th</sup> SEAC-2 meeting held on 7/02/2019 committee 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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#### DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered only after the compliance of above observations. Further the expansion proposal will be considered only after the violation case is decided.

#### **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 also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

#### FINAL RECOMMENDATION

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



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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#### Agenda for 89th SEAC-2 meeting scheduled on 20th February, 2019

SEAC Meeting number: 89 Meeting Date February 20, 2019

Subject: Environment Clearance for "Growel's 101 Mall" (Shopping Mall and Multiplex)

Is a Violation Case: Yes

Is a Violation Case: Yes					
1.Name of Project	"Growel's 101 Mall" (Shopping Mall and Multiplex)				
2.Type of institution	Private				
3.Name of Project Proponent	M/s. Grauer & Weil (India) Limited				
4.Name of Consultant	M/s. Ultra-Tech				
5.Type of project	Shopping Mall and Multiplex				
6.New project/expansion in existing project/modernization/diversification in existing project	The project is an expansion of Growel's 101 Mall				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project is an expansion of Growel's 101 Mall Phase I (Wing F) and part of Phase II (Wing A, B & C) are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from MCGM				
8.Location of the project	CTS. No. 151, Growel House, Akurli Road, Kandivali (E), Mumbai.				
9.Taluka	Akurli				
10.Village	Akurli				
Correspondence Name:	Mr. Vinod Haritwal (CEO & Director)				
Room Number:	-				
Floor:	-				
Building Name:	CTS 151, Growel House				
Road/Street Name:	Akurli Road				
Locality:	Kandivali (E)				
City:	Mumbai				
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)				
	For Wing F - IOD & CC no CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no CHE/A - 3465/BP(WS)/AR				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: For Wing F - IOD & CC no CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no CHE/A - 3465/BP(WS)/AR				
	Approved Built-up Area: 34019.77				
13.Note on the initiated work (If applicable)	Total constructed work (FSI + Non FSI): 40,889.58 Sq. mt.				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	For Wing F - IOD & CC no CHE/A-3136 BP(WS)/AR and For Wing A, B & C - IOD & CC no CHE/A - 3465/BP(WS)/AR				
15.Total Plot Area (sq. m.)	37,832.90 Sq. mt.				
16.Deductions	8,097.02 Sq. mt.				
17.Net Plot area	29,735.88 Sq. mt.				
	a) FSI area (sq. m.): 38,089.91				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>b) Non FSI area (sq. m.):</b> 20,406.24				
101/	c) Total BUA area (sq. m.): 58496.15				
	Approved FSI area (sq. m.): 34019.77				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):				
	Date of Approval: 03-05-2011				
19.Total ground coverage (m2)	11,385.68				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38 %				
21.Estimated cost of the project	201446000				

# 22. Number of buildings & its configuration



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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Serial number	Buildir	ng Name & number	Number of floors	Height of the building (Mtrs)				
1	SHOF	PPING MALL WITH MULTIPLEX						
2	Phase I (N	ot under purview of EIA notification)						
3	Existing	and Occupied Wings: Wing F	Basement + Ground + 1st to 3rd Upper Floors	17.70 mt.				
4		(Under purview of EIA Notification )						
5	(Const Notification	and Occupied Wings: ructed between EIA on,1994 as amended on 004 and 14th September 2006)	Wing A: Ground + 1st to 4th Upper Floor	21.90 mt.				
6	(Const Notification	and Occupied Wings: ructed between EIA on,1994 as amended on 004 and 14th September 2006)	Wing B: Part Basement + Ground + 1st to 3rd Upper Floor	17.70 mt.				
7	Existing and Occupied W (Constructed between Notification,1994 as amen 7th July 2004 and 14th Sep 2006)		Wing C: Ground + 1st to 4th Upper Floor	21.90 mt.				
8		Phase II						
9	Pro	oposed - Wing D	2 Basements + Ground + 1st to 2nd Upper Floor	12.60 mt.				
23.Number		Shopping Mall and Mult	tiplex					
24.Number expected r users		Total Occupancy: 9982 Nos.						
25.Tenant per hectar		-	>					
26.Height building(s)								
27.Right o (Width of the from the number of the proposed has been station to the proposed has been stationary t	the road earest fire the	18.30 m wide Akurli road and 61 m Western Express Highway						
28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	Min. 7.5 mt.						
29.Existing		Shopping Mall and Mult	tiplex					
30.Details demolition disposal (I applicable	with f	Not Applicable						
		31.P	Production Details					



Serial Number	Pro	duct	Existing	g (MT/M)	Proposed (I	MT/M)	T	otal (MT/M)		
1	Not app	plicable	Not applicable N		Not applic	able	N	ot applicable		
			32.Tota	al Water	r <b>Requir</b>	emen	t			
		Source of	f water	M.C.G.M./T	anker Water of	potable o	ruality			
		Fresh wa	ter (CMD):		mestic: 64 KLI er: 15 KLD fron				ent of	
		Recycled Flushing		145 (For Flu	ushing = 109 K	LD + Coo	ling Tower m	iake up = 35 K	LD)	
		Recycled Gardenin	water - g (CMD):	1						
		Swimmin make up								
Dry season	:	Total Wa Requiren	ter nent (CMD)	246 KLD						
		Fire fight Undergro tank(CM	ound water	484 KL			0,			
		Fire fight Overhead tank(CM	l water	90 KL		0,				
		Excess tr	eated water	0						
		Source of	f water	M.C.G.M./R	WH/Tanker Wa	iter of pot	able quality			
		Fresh wa	ter (CMD):	78 (For Domestic: From M.C.G.M.= 47 KLD and From RWH Tanks = 17 KLD And For part requirement of cooling tower: 14 KLD from Tanker Water of potable quality)						
		Recycled Flushing		145 (Flushing = 109 KLD And Cooling Tower make up = 36 KLD )						
		Recycled Gardenin	water - g (CMD):	0						
Wet season	n:	Swimmin make up	10							
		Total Wa Requiren	ter nent (CMD)	223 KLD						
		Fire fight Undergro tank(CM	ound water	484 KL						
	5	Fire fight Overhead tank(CM	l water	90 KL						
		Excess tr	eated water	0						
Details of S pool (If any		Not applie	cable							
			33.Detai	ls of Tota	l water co	nsume	d			
Particula rs	Cons	sumption (	(CMD)	]	Loss (CMD)		Efi	fluent (CMD)		
Water Require ment	Existing	Propose	ed Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic									-	
								Allan.		



		l of the Ground r table:	1.30 mt. to 1.55 mt. below ground level					
		and no of RWH (s) and tity:	RWH tank of capacity 44 KL					
	Loca tank	tion of the RWH (s):	Underground					
34.Rain Water Harvesting	Quar pits:	ntity of recharge	Nil					
(RWH)	Size :	of recharge pits	NA					
		getary allocation ital cost) :	Rs. 7.40 Lacs					
		getary allocation M cost) :	Rs. 0.28 Lacs/annum					
	Deta if an	ils of UGT tanks	Basement					
25 CL-		ral water nage pattern:	Adequate capacity of internal external SWD	storm water drain with connection to				
35.Storm water drainage	Quar wate	ntity of storm r:	1.12 m3/sec					
	Size	of SWD:	Carrying capacity of drain is 20.70 m3/sec					
	Sewa in Kl	ge generation LD:	Sewage:159 KLD And Effluent	:: 1 KLD				
	STP	technology:	MBBR (Moving Bed Bio React	or)				
Sewage and	Capa (CM)	city of STP D):	1 STP of capacity 170 KL And	1 ETP of capacity 10 KL				
Waste water	Loca the S	tion & area of STP:	Ground Level					
		getary allocation ital cost):	RS. 60.45 Lacs					
	Budg (O &	getary allocation M cost):	Will be submitted					
7		36.Solie	d waste Managen	nent				
Waste generation in	Wast	e generation:	Partly shall be reused and remaining shall be disposed to authorized landfill site					
the Pre Construction and Construction phase:		osal of the truction waste is:						
	Dry v	vaste:	1219 kg/day					
	Wet	waste:	399 kg/day					
Waste generation	Haza	rdous waste:		Liners (33.3) - 0.01 MT And Chemical ning Residues (34.4) - 0.01 MT				
in the operation Phase:		nedical waste (If cable):	Not Applicable					
	STP sludg	Sludge (Dry ge):	24 kg/day					
	Othe	rs if any:						
A am				(Man)				



		Dry waste:		To Authoriz	ad roc	welere					
		Wet waste									
Mode of Disposal Bi		Hazardous		Organic Waste Converter  To CHWTSDF							
		Biomedica applicable	l waste (If								
		STP Sludg sludge):	e (Dry	Use as man	ure						
		Others if a	ny:								
		Location(s	):	Ground leve	el						
Area requirem	ent:	Area for the of waste & material:		65 Sq. mt.							
		Area for m	achinery:	12 Sq. mt.							
Budgetary (Capital co	allocation	Capital cos	st:	Rs. 9.00 La	CS						
O&M cost)		O & M cos	t:	Rs. 1.62 lac	s/annı	ım					
			37.E	ffluent C	hare	cter	estic	S			
Serial Number	Paran	neters	Unit	Inlet E Charect					Efflue erest	/	Effluent discharge standards (MPCB)
1	-	-		-							
Amount of 6 (CMD):	effluent gene	eration	1 KLD				0				
Capacity of			10 KL			1	<u> </u>				
Amount of t recycled :	created efflue	ent	0.7 KL								
Amount of v	water send to	o the CETP:			>>						
	p of CETP (if				Y						
	P technology			nal treatment	•						
Disposal of	the ETP sluc	lge	To CHWTS								
			38.H	azardous	Was	ste D	etail	S			
Serial Number	Desc	ription	Cat	UOM	Exi	sting	Prop	osed	To	otal	Method of Disposal
1	Containers/	arded Barrels/Liner 3.3)	s 33.3	MT	MT 0.01 MT		N	Jil	0.01 MT		To CHWTSDF
2	and Greas	l Sludge, Oil e Skimming es (34.4)	34.4	MT	MT 0.01 MT Nil		0.0	1 MT	To CHWTSDF		
	67		39.S	tacks em	issic	n De	etails	5			
Serial Number	Section	& units		sed with antity	Stack No		fro: grou	around		rnal neter n)	Temp. of Exhaust Gases
1	DG	Sets				-				-	
			40.De	tails of <b>F</b>	uel	to be	e use	d			
Serial Number	Тур	e of Fuel		Existing			Propo	sed			Total
1		HSD									
41.Source	of Fuel										
Mr. Suryka	our nt Nikam	QFA	C Moetine N	Jo: 89 Mootin	a Data	o Føbr	uary	Page	o 210		M. Adlani (Chairman



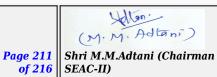
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42.Mode of	Transportat	ion of fuel to	site					
		Total RG a	rea:	7543.44 Sq	. mt.			
43.Green Belt Development		No of troos to be cut		Nil				
		Number of trees to be planted :					(83 nos. on site & 653 nos. in the ent to project site)	
		List of proposed native trees :						
		Timeline for completion of plantation :		Already dor	ne			
	44.Nu	mber and	l list of t	rees spe	cies to b	e plante	ed in the ground	
Serial Number	Name of	the plant	Commo	n Name	Qua	ntity	Characteristics & ecological importance	
1		-					- V	
		ntity of plan			•	1.1.4	h l l' il l' po	
	ber and	list of si	irubs an	d bushes	species	to be p	lanted in the podium RG:	
Serial Number		Name		C/C Dista	nce		Area m2	
1								
				47.Eı	nergy			
		Source of participation supply:	power	TATA Powe	r			
		During Construction Phase: (Demand Load)  DG set as Power back-up during construction phase		As per requirement  As per requirement				
_			During Operation phase (Connected		Will be submitted			
Pov require		During Op phase (Der load):		Will be submitted				
		Transform	er:					
C)		DG set as l back-up du operation	ıring	For Existing Wing F, A, B and C: 3 nos. DG set of capacity 625 kVA each & 1 no. of 500 kVA; For Proposed Wing D: 1 DG set of capacity 320 kVA				
		Fuel used:		Diesel				
		Details of high tension line passing through the plot if any:		NA				
		48.Ene	rgy savi	ng by no	n-conver	ntional r	nethod:	
• Provision	of Solar PV	Panels for Li						

- Provision of Solar PV Panels for Lighting & Power loadUse of water pumps with Energy Meter
- Use of Inverter based VRV system
- Use of Regenerative Type Lift system







49.Detail calculations & % of saving:						
Serial Number	Е	Energy Conservation Measures		Saving %		
1		Will be submi	itted			
50.Details of pollution control Systems						
Source	Ex	Existing pollution control system		Proposed to be installed		
Sewage				STP		
Solid waste		Organic Waste Convertor				
Budgetary						
(Capital of O&M)			Rs. 6.66 Lacs/annum			
51.Environmental Management plan Budgetary Allocation						

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	0.36
2	Air Environment	Air & Noise monitoring- By outside MoEF & CC Approved Laboratory	0.22
3	Air Environment	Air & Noise monitoring- On site sensors for Air & Noise monitoring	10.50
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	3.00
6	Health & Hygiene Environment	Disinfection- Pest Control	1.20
7	Health & Hygiene Environment	Health Check up of workers	2.70
8	Cost towards Disaster management		10.54

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

a, eperated that a repr						
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1	Air, Noise Environment & Biological Environment	Cost for Gardening	41.49	1.20		
2	Air, Noise Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22		
3	Air, Noise Environment & Biological Environment	Cost for Maintenance of sensors for Air & Noise monitoring	Set up already considered in construction phase	0.50		





4	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.14	
5	Water Environment	Waste water treatment -Cost for sewage Treatment Plant	34.95	Will be submitted	
6	Water Environment	Waste water treatment -Cost for effluent Treatment Plant	7.50	Will be submitted	
7	Water Environment	Waste water treatment -On site Sensors	18.00	1.00	
8	Water Environment	Waste water treatment -Cost for Waste water Monitoring (By outside MoEF Approved Laboratory)	No set up cost is involved	0.05	
9	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for RWH details (RWH tank)	4.40	0.05	
10	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for treatment unit for rain water tanks	3.00	0.01	
11	Water Environment	Water Conservation (Rain Water Harvesting System) - Cost for Rainwater Monitoring	No set up cost is involved	0.05	
12	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	1.54	
13	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	No set up cost is involved	0.08	
14	Energy Conservation	Solar system	282.71	6.66	
15	Cost towards Disaster management		144.37	28.87	

# 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

#### **52.Any Other Information**

No Information Available

#### **53.Traffic Management**



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	Nos. of the junction to the main road & design of confluence:	2 nos. of Entry and Exit
	Number and area of basement:	Two Basements
	Number and area of podia:	Not applicable
	Total Parking area:	11332.16 Sq. mt.
	Area per car:	
	Area per car:	-
Parking details:	Number of 2- Wheelers as approved by competent authority:	70 Nos.
	Number of 4- Wheelers as approved by competent authority:	746 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Minimum 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : Approx. 2.00 km
	Category as per schedule of EIA Notification sheet	Category 8 (a) B2
	Court cases pending if any	Nil
	Other Relevant Informations	
	Have you previously submitted Application online on MOEF Website.	Yes
9	Date of online submission	06-07-2017

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

# Brief information of the project by SEAC



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

PP and Environment Consultant has disclosed that, construction 40,889.58 Sq. mt. has already been carried out and agreed that it is a violation of EIA Notification. PP informed that, the existing wing F (TBU 12,741.62 Sq.mt) is not under purview of EIA notification as it was constructed prior to 2004. The CC for the same was received in 14/8/2003 & OC in 28/9/2005. PP further informed that, construction for Wing A,B & C (TBU- 28,147.96 Sq.mt) was also done. The CC for the same was received in 27.02.2006 & OC in 07.08.2010

PP stated that, the total plot area is 37,832.90 & Wing D with building configuration 2 Basements + Ground + 1st to 2nd Upper Floor is proposed as expansion along with regularisation of violation of EIA notification 2006.

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 in 87<sup>th</sup> SEAC-2 meeting held on 7/02/2019 committee 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 issuing following Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).

#### **DECISION OF SEAC**



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

#### **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 chronologically building wise plan approval along with plinth completion CC date, OC date
- 11) PP to submit architect certificate regarding construction done on site along with FSI, Non FSI area.
- 12) PP to submit the architect certificate regarding the status of proposed D & E building as approved by local planning authority.
- 13) PP to submit detail area statement along with RG area.
- 14) PP to submit the nall remarks.
- **15)** PP to ensure that no nalla should be diverted or covered.

- **16)** During presentation it is noted that some building drawing is shown on DP road at junction of akurli road. PP to clarify the same.
- 17) PP to provide the all details regarding existing R & D lab on site. Also to submit the copy of consent to establishment & Operate received from MPCB along with inspection report.
- 18) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

#### FINAL RECOMMENDATION

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



SEAC Meeting No: 89 Meeting Date: February 20, 2019

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Shri M.M.Adtani (Chairman
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