SEAC-II Meeting SEAC Meeting number: 53rd **Meeting Date** May 4, 2017 Subject: Environment Clearance for Expansion of "VICINIA" Residential project by M/s. Forbes And Company Ltd **General Information:** Expansion of "VICINIA" Residential project at Plot Bearing CTS No. 15A,15C,15D,15E &15F 1.Name of Project Chandivali, Kurla, Mumbai, Maharashtra 2. Type of institution 3.Name of Project Proponent M/s. Forbes And Company Ltd. Principal Architect : M/s Brighton Architects (India) Pvt. Ltd., Design Architect : M/s Kapadia Associates,, MEP Consultant : M/s AECOM India Pvt Ltd., Structural Consultant : M/s ASCENT Structural Engineers Pvt. Ltd., Environment Consultant : M/s Enviro Analysts And Engineers Pvt. 4. Name of Consultant Ltd.; Traffic consultant : Mr. Rajesh Gajjar M/s GMD Consultants; Disaster management : M/s Sustainable Approach for Green Environment LLP Proposed Residential Project 5. Type of project 6. New project/expansion in existing project/modernization/diversification in existing project Expansion 7.If expansion/diversification, whether environmental clearance EC Received dated 18.07.2016 has been obtained for existing 8.Location of the project Plot Bearing CTS No. 15A,15C,15D,15E &15F Chandivali, Kurla, Mumbai, Maharashtra 9.Taluka 10.Village Village-Chandivali Municipal Corporation of Greater Mumbai 11.Area of the project concession document received dated 29.10.2014 12.IOD/IOA/Concession/Plan IOD/IOA/Concession/Plan Approval Number: As per Amended IOD dated 30.03.2017 Approval Number Approved Built-up Area: 71567 13.Note on the initiated work (If applicable) Total Constructed area: 12583 sqm. 14.LOI / NOC / IOD from MHADA/ NA Other approvals (If applicable) 15. Total Plot Area (sq. m.) 27263.50 16.Deductions 4636.82 17.Net Plot area 22626.68 a) FSI area (sq. m.): 60687.51 18.Proposed Built-up Area (FSI & b) Non FSI area (sq. m.): 57826.16 Non-FSI) c) Total BUA area (sq. m.): 118513.67 4771.42 19.Total ground coverage (m2) 20.Ground-coverage Percentage (%) 21.09% (Note: Percentage of plot not open to sky) 21.Estimated cost of the project 4050000000 22. Number of buildings & its configuration **Serial Building Name & number Number of floors** Height of the building (Mtrs) number 3B+Stilt + 20 Flrs 1 Wings A & B 69.94 2 Wings C,D 3B+Stilt + 21 Flr69.94 3 Wing E, F 3B+Stilt + 21 Flr 69.94 4 Wings G 3B+Stilt + 21 Flrs 69.94 5 Wings H 3B+Stilt + 21 Flrs 69.94 6 Wing I (Sports Center) G + 1 Flr (Pt)94 7 Club House G + 1 Flr (Pt)8.0 23. Number of Residential Tenements: 574 tenants and shops

users		
25.Tenant density per hectare	253	
(Dr. B. N. Patil)		Jose

2870

24. Number of expected residents /

26.Height building(s)									
27.Right of (Width of t from the no station to t proposed b	he road earest fire the	Existing 18.	30 mt wide	D.P. road					
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation									
29.Existing structure (s) if any	existing dila	pidated she	d.					
30.Details demolition disposal (If applicable)	with f	Demolition (of existing d	ilapidated sh	ned.	-03			
			31.P	roduct	ion Details				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)			
1	Not app	plicable	Not app	olicable	Not applicable	Not applicable			
		3	2.Tota	l Wate	r Requiremen	t			
		Source of v	water	MCGM / Re	ecycled water				
		Fresh wate		273					
		Recycled water - Flushing (CMD):		129					
		Recycled water - Gardening (CMD):		28	0				
		Swimming pool make up (Cum):		15	>>				
Dry season	:	Total Wate Requireme		430					
		Fire fighting - Underground water tank(CMD):		700					
		Fire fightin Overhead v tank(CMD)	ng - water):	210					
		Excess trea	ated water	157					
		Source of v		MCGM / Recycled water/ RWH					
		Fresh wate		273					
		Recycled w Flushing (CMD):	129					
	Gy	Recycled w Gardening	(CMD):	NA					
		Swimming make up ((Cum):	NA					
Wet seasor	1:	Total Wate Requireme	ent (CMD)	402					
		Fire fightin Undergrou tank(CMD)	nd water	700					
		Fire fightin Overhead v tank(CMD)	water	210					
	-	Excess trea	ated water	232					





Details of S pool (If any	Swimming y)	Total domes	stic water in	cluding Swir	nming pool r	makeup and l	backwashing	of 15 KLD.			
		3	3.Detail	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		
		Level of th		2.4 to 3.5 m	neter below (ground level					
		Size and notank(s) and Quantity:		RWH tank (of 200 Cum i	s proposed.		0			
		Location o tank(s):	f the RWH	Basement 2				0			
34.Rain V	Vater	Quantity o pits:		NA				<u> </u>			
Harvestin (RWH)		Size of rec	harge pits	NA							
(IXWII)		Budgetary (Capital co	allocation ost) :	36							
		Budgetary (O & M cos	allocation st) :	1.8		00					
		Details of if any:	UGT tanks	Domestic: Flushing: 1 Fire fightin RWH: 200 UG tank is:	60cum g:700cum	asement 2.					
Natural water drainage pattern:		SWD network is designed in line with the natural drainage pattern. Sizing of the internal SWD network is done as per the maximum storm water generation. Slope of about 2.0 m existing on site from South East to North West corner									
drainage		Quantity o water:		0.15 cum/sec							
		Size of SW	D:	0.26m (diameter)							
		Sewage ge in KLD:		361							
		STP techno		MBBR							
	10	Capacity o (CMD):	ISIP	400							
Sewage Waste w	and ater	Location & the STP:	area of	below club house & 540 sq.m.							
	2,	Budgetary (Capital co	st):	72							
		Budgetary (O & M cos	allocation st):	15							
		,	•	d waste	Mana	gemen	t				
Waste gene	eration in	Waste gen			ım of excava			Demolition v	waste likely		
the Pre Cor and Constr phase:	nstruction	Disposal or construction debris:	f the on waste	Construction debris shall be stored at dedicated place within the project site and will be regularly water sprinkled and will be kept covered. Transport of debris shall be done in covered trucks for disposal as per Construction and Demolition Waste Rules 2016.							
		Dry waste:		574							
		Wet waste		861							
Masta	novotion	Hazardous	waste:	NA							
Waste general the open Phase:	eration	Biomedica applicable		NA							
		STP Sludge sludge):		25							
		Others if a	ny:	NA							

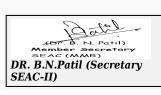
		Dry waste:		Collected b	v recv	clers			
		Wet waste		Utilized as manure through Organic Waste composting machine.					
		Hazardous	waste:	NA					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Mode of I of waste:	Disposal	Biomedica applicable	l waste (If):	NA					
		STP Sludg sludge):		USed as ma	anure				
		Others if a	ny:	NA					
		Location(s):	Ground					
Area requirem	ent:	Area for the of waste & material:		70 sqm					
		Area for m	achinery:	100 sqm					
Budgetary	allocation	Capital cos	st:	12					0-
(Capital co O&M cost):	st and	O & M cos	t:	4					
			37.Ef	fluent C	hare	cter	estics		
Serial Number	Paran	neters	Unit	Inlet E Charect	ffluer	nt		Effluent erestics	Effluent discharge standards (MPCB)
1	Not app	plicable	Not applicable Not applicable			Not app	olicable	Not applicable	
Amount of e (CMD):	ffluent gene	eration	Not applica	able					
Capacity of	the ETP:		Not applica	able					
Amount of trecycled:	reated efflue	ent	Not applica	able					
Amount of w	ater send to	the CETP:	Not applica	able)		
Membership	of CETP (if	require):	Not applica	able					
Note on ETF	technology	to be used	Not applica	able					
Disposal of t	the ETP sluc	lge	Not applica	able	77				
			38.Ha	azardous	Was	ste D	etails		
Serial Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Total	Method of Disposal
1	Not app	plicable				cable	Not applicable	Not applicable	Not applicable
			39.S	tacks em	issio	n Do	etails		
Serial Number	Section	& units	its Fuel Use Quant		Stacl	k No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not app	olicable	Not applicable Not applicable			ot cable	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	1	Not applicabl	le	N	Not applicable	е	Not applicable
41.Source of	f Fuel		Not a	applicable					
42.Mode of	Transportat	ion of fuel to	site Not a	applicable					





Johny Joseph Page 4 of 65 Shri. Johny Joseph (Chairman SEAC-II)

		Total RG a	rea:	Required =	5656.67 sqn	m; Provided = 6118.49 sqm		
		No of trees	s to be cut	9	-	-		
		Number of trees to pe planted :		378				
Develop	ment	List of pro native tree	posed es :	As mentioned in the List of proposed plantation on ground				
		Timeline for completion plantation	n of	At the time	of completio	on of the project		
	44.Nu	mber and	l list of t	rees spec	cies to be	e planted in the ground		
Serial Number		the plant		n Name		ntity Characteristics & ecological importance		
1		ephalus amba	Kada	amba	38	Native tree has medicinal value		
2	Mimuso	pselengii	Ва	kul	3.	Native tree has medicinal value		
3	Cassia	ıfistula	Bahava	Amaltas	3.	Native tree has medicinal value		
4		troemia ciosa	Pride of In	diaTamhan	3'	Native tree has medicinal value		
5	Cordias	e bestina	Co	rdia	33	Ornamental plant		
6	Calophy	yllumino llum	Un	ıdal	3!	Ornamental plant		
7	Mesua	aferrea	Nagi	Kesar	3′	Ornamental plant		
8	Michelia	champaca	Sonc	hapha	3'	Fragrant flowering plant		
9	Bauhinia	purpurea	Kan	*		Ornamental plant		
10	Phoenix	sylvestris	Indian d	ate palm 33		Ornamental plant		
45	.Total qua	ntity of plar	its on grou	nd				
46.Num	nber and	list of sl	nrubs an	d bushes	species	to be planted in the podium RGs		
Serial Number		Name		C/C Distance Area m2				
1	As per re	commendati	ons As	per recommendations As per recommendations				
				47.Energy				
		Source of supply:	power	TATA				
		During Co Phase: (De Load)	nstruction emand	80 KW				
		DG set as back-up di constructi	ıring	100kVa				
Power requirement: During Operation phase (Connected load): During Operation phase (Demand load): Transformer: DG set as Power back-up during operation phase:		12313 Kw						
		eration mand	7051 Kw					
		NA						
		ıring	2 No. 320 K	VA , 2 No. 75	750 KVA			
		Fuel used:		HSD				
Details of high tension line passing through the plot if any:								





48.Energy saving by non-conventional method:





Energy Efficiency :11.02% Energy Saving Measures :

- LEDs for Ext Lighting (Energy Saving :52%)
- Reduction in basement lighting by 50% as against ECBC basecase of 0.3 W/Sqft. Target LPD is 0.15 W/Sqft which can be achieved through LEDs/CFL (Energy Saving :50%)
- LEDs used in Common Areas Target LPD for Common Areas is 0.22W/Sqft (Energy Saving :39%)

- Due to variable speed drive, proposed elevator can save approx. 25% of energy as against standard elevators(Energy Saving :25%)
- All water pump motors will be use high efficiency motors with 5 star BEE rating & low flow fixtures gives less flow rate (Energy Saving :22%)
 - 20% Hot water demand by Solar

- Energy Savings under Cooling Energy due to 5 Star Acs

- Energy Savings due to CO Sensors installed (Energy Saving :28%)
- Solar PV Cells for 2 Tube lights + Fan per dwelling Unit (Energy Saving :12%)

49.Detail calculations & % of saving:								
Serial Number	E	nergy Conservation M	easures	Saving %				
1		Energy Efficiency	11.02%					
50.Details of pollution control Systems								
Source	Ex	Existing pollution control system		Proposed to be installed				
Not applicable	Not applicable			Not applicable				
Budgetary allocation (Capital cost and O&M cost):		Capital cost:	96					
		O & M cost:	4.8					

51.Environmental Management plan Budgetary Allocation

- \ 0 1 1	1	(2±1. II	200	
a) Construction	nnase	with F	sreak-iini:	

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water environment	Water for Dust Suppression	5
2	Site Sanitation & Safety	Site Sanitation & Safety	2
3	Water & soil environment	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	4
4	Disinfection	Disinfection	1
5	Health Check up	Health Check up	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Solid waste management	OWC	12	4
2	Water environment	STP	72	15
3	Energy	Solar	96	4.8
4	Water environment	RWH system	36	1.8
5	Landscaping	Landscaping	150	30
6	total	TOtal	366	55.8

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
		E2 A O4	la a su Tan Ca				

52. Any Other Information



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Information Availab		
	53.	Traffic Management
	Nos. of the junction to the main road & design of confluence:	Access through existing 18.30 m wide DP Road
	Number and area of basement:	3nos of basmement (Total Area :42896.43sq.m.)
	Number and area of podia:	NA
	Total Parking area:	
	Area per car:	Ground floor: 25.00sqm; Basement 1: 32.84sqm; Basement 2: 32.84sqm; Basement 3: 35.54sqm
	Area per car:	Ground floor: 25.00sqm; Basement 1: 32.84sqm; Basement 2: 32.84sqm; Basement 3: 35.54sqm
Parking details:	Number of 2- Wheelers as approved by competent authority:	78nos
	Number of 4- Wheelers as approved by competent authority:	TOTAL PARKING PROVIDED :1294 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 6m 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 (3.56 km aerial distance). It doesnt fall under eco sensitive zone as per ESZ Notification dtd 5th December 2016
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
<i>ζ</i> λ.	Date of online submission	20-09-2016





PP, Mr. Subodh Pagnis & Architect Mr.S.P.Dandarkar were present during the meeting along with environmental consultant M/s Enviro Analysts and Engineers Pvt. Ltd.

PP informed that, the proposal is for expansion of residential project. The project received environmental clearance vide letter dated 18.07,2016 for the plot area of 27,263.50 sgmt and construction area 95,368.49 comprising building configuration Wings A,B,C,D = 3B + Stilt + 20 Floors & Wings E,F,G = 3B + Stilt + 21 Floors. It is noted that the application made is within the validity period of EC.

The Project is residential development under the Municipal limits of MCGM. PP intends to have expansion in the proposal due to amendment in the policy vide circular dated 16.05.2015. It has been proposed to add two more wings (I.e.H Wing and sports centre) with changes in the configuration and size of the flat in the other wings. Therefore, total construction area has been increased from 95,368.49 sqmt. to 1,18,513.67 sqmt.

PP also informed that, project was appraised by EAC (MoEF) in its 14th Meeting held on 15/02/2017 wherein the project was discussed in detail for all points in relation to safeguard of Environment. PP informed that they have submitted EC compliance to MoEF. EAC had sought information on 3 additional points. PP presented the compliance as above and also presented detail project.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

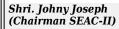
- 1) PP to ensure that width of the fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters.
- 2) Committee noted that 9 trees will be cut during the project. PP to submit permission from concern tree authority.
- 3) PP to ensure that BoD of the treated waste water should be 10 mg/lit and suspended solids is 20 mg/lit and suspended solids is 20 mg/lit and plicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

 5) PP to upload the approved plans with duly stamped & singed of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc
- on the website of ec.mpcb.in
- 6) Hon'ble High Court has clamped a ban on new constructions in MCGM area. Building permissions may be considered by the Local Body strictly adhering to High Court's order

FINAL RECOMMENDATION

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





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SEAC Meeting number: 53rd Meeting Date May 4, 2017

Subject: Environment Clearance for Proposed expansion and amended in EC by addition of one dormitory building - 'AASHA NIVAS' in existing campus of Tata Memorial Hospital by M/s. Tata Memorial Centre

Conoral	Informa	tion.
General		

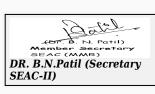
ocherui illiorillution.						
1.Name of Project	Environment Clearance for Proposed expansion and amended in EC by addition of one dormitory building – 'AASHA NIVAS' in existing campus of Tata Memorial Hospital by M/s. Tata Memorial Centre					
2.Type of institution	Government					
3.Name of Project Proponent	M/s. Tata Memorial Center					
4.Name of Consultant	M/s. Eco Foot Forward Environment Consultancy & Engineers Pvt. Ltd.					
5.Type of project	Dormitory Building Construction. Category 8(a) of EIA Notification, 2006					
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES					
8.Location of the project	Plot no. 1 & 2, Sector 22, Kharghar, Navi Mumbai - 410208					
9.Taluka	NA					
10.Village	NA					
11.Area of the project	CIDCO					
40 700 70 40	Provisional Commencement Certificate No. CIDCO/BP-15374/TPO(NM)/2017/2338 dated 23.01.2017					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Provisional Commencement Certificate No. CIDCO/BP-15374/TPO(NM)/2017/2338 dated 23.01.2017					
	Approved Built-up Area: 19497					
13.Note on the initiated work (If applicable)	NA					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA					
15.Total Plot Area (sq. m.)	2, 40,007.49 sq. m.					
16.Deductions	NA					
17.Net Plot area	2, 40,007.49 sq. m.					
10 D	a) FSI area (sq. m.): 13210.24					
18.Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 6286.76					
,	c) Total BUA area (sq. m.): 19497					
19.Total ground coverage (m2)	1624.75					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.68					
21.Estimated cost of the project	49000000					

21.Estimated cost of the project 4900000000

22.Number of buildings & its configuration

	==irvainser or sandings a res configuration							
Serial number	Building Name & number	Building Name & number Number of floors						
1	Hematolymphoid Block	G + 7	NA					
2	Utility Block	G	NA					
3	Medical Gas Manifold	G	NA					
4	Electric Sub Station	Electric Sub Station G						
5	Entrance Structure	G	NA					
6	Bio Bank	G	5.4 m					
7	Aasha Niwas	Stilt + Ground + 11 upper floors	48.75 m					
00 M 1	C							

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

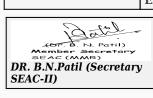








26.Height building(s)	of the								
27.Right of (Width of t from the n station to t proposed by	he road earest fire the	9 m	m						
28.Turning for easy ac fire tender movement around the excluding to for the plan	cess of from all building the width	9 m							
29.Existing structure (s) if any	Vishramgru	ha ,Faculty l y & Radiolo	Building Add: gy Research	mal House, Ward Block, itional,alteration in staff Unit ,Compound Wall pi	guarter ,c	centre for Cancer	,	
30.Details demolition disposal (I applicable)	with f	NA					003		
			31.P	roduct	ion Details				
Serial Number	Proc	luct	Existing		Proposed (MT/M)		Total (MT/M)		
1	Not app	olicable	Not app	olicable	Not applicable		Not applicable		
		3	2.Tota	l Water	r Requiremen	t			
		Source of v		CIDCO					
		Fresh water (CMD):		224.52					
		Recycled water - Flushing (CMD):		27.15	0				
		Recycled water - Gardening (CMD):		28.2					
		Swimming pool make up (Cum):		NA					
Dry season	•	Total Water Requirement (CMD)		276.45					
		: 1							
		Fire fighting - Underground water tank(CMD):		150					
		Fire fighting - Overhead water tank(CMD):		NA					
		Excess trea		NA					
		Source of v	water	CIDCO					
		Fresh wate	r (CMD):	224.52					
	CY	Recycled w Flushing (vater - CMD):	27.15					
Wet season:		Recycled w Gardening	ater - (CMD):	NA					
		Swimming make up ((pool Cum):	NA					
		Total Wate Requireme :		276.45					
		Fire fightin Undergrou tank(CMD)	nd water	150					
		Fire fightin Overhead v tank(CMD)	water	NA					
		Excess trea	ated water	NA					









Details of S pool (If any		NA								
		3	3.Detail	s of Tota	l water o	consume	d			
Particula rs	Cons	sumption (C	CMD)		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	
		Level of th		3 - 6.5 m						
		Size and notank(s) and Quantity:		NA				0		
		Location o tank(s):	f the RWH	NA				0		
34.Rain V Harvestin		Quantity o pits:	f recharge	16				3		
(RWH)		Size of rec		1.2 m x 1.2	m		0			
		(Capital co		20 lakhs			<u> </u>			
		(O & M cos	/ -	1 lakhs						
		if any:		Location of UG Tank is near Car Parking						
		Natural wa drainage p		combination	n of channels	s & piping				
35.Storm drainage	water	Quantity o water:		754 cm/hr						
		Size of SW	D:	450 mm wide SWD						
		Sewage ge in KLD:		232.54 CM						
		STP techno	3.0	NA, the ger	nerated sewa	ige will be tr	reated in Exis	sting CIDCO	STP.	
Sewage Waste w	and	Capacity o (CMD):		1 No of 300 CMD Capacity of Existing STP						
Wastĕ w	ater	Location & the STP:	allocation	Near Radiological Research and Administrative Unit						
		(Capital co	st): allocation	IVA						
		(O & M cos	st):		l waste Management					
		1				gemen	l			
Waste gene the Pre Co	eration in	Waste gen		330.3 Cum	of Top Soil					
and Constr phase:		Disposal or construction debris:		will be used for filling the plot and maintaining natural slopes.						
		Dry waste:		Existing: 187.80 kg/day, Proposed:86.94 kg/day						
		Wet waste		Ū	88 kg/day, Pr	roposed: 202	.86 kg/day			
Waşte ge	neration	Hazardous	waste:	NA						
in the ope Phase:	eration	Biomedica applicable):	Existing: 46	602.75 kg/mo	onth, Propos	ed: NA			
		STP Sludgesludge):		Ü	1 Proposed:	NA				
		Others if a	ny:	NA						

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

SEAC Meeting No: 53rd Meeting Date: May 4, 2017

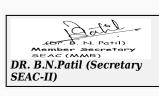
Jerry Johny Joseph Page 11 | Shri. Johny Joseph (Chairman SEAC-II)

		Daw woodo		Cognogation	anda	olo of	no orrala blac	in out cond t	o approved landfill site.
Dry waste: Wet waste:				0 0					11
Н				Biodegradable waste to existing Compost Facility sent to authorized Pre- processor					
Mode of Disposal		Biomedica applicable	l waste (If				nuthorized re	cyclers (exi	sting)
		STP Sludg sludge):		used as Ma	nure				
		Others if a	nv:	NA					
		Location(s		50 sq. m.					
Area requirem	ent:	Area for the of waste & material:	e storage	*					
		Area for m	achinery:	NA					
Budgetary	allocation	Capital cos	st:	NA					
(Capital co O&M cost):	st and ·	O & M cos		NA					
Jan-1 603t)		5 5. 1.1 000		ffluent C	hare	cter	estics		
Serial				Inlet E				Effluent	Effluent discharge
Number	Paran	neters	Unit	Charect			Charect		standards (MPCB)
1	Not app	olicable	Not applicable	Not ap	plicabl	.e	Not app	olicable	Not applicable
Amount of e (CMD):	ffluent gene	ration	Not applic	able					
Capacity of the ETP: Not applicable									
Amount of trecycled:	able								
Amount of w	vater send to	the CETP:	Not applic	able	able				
Membership	of CETP (if	require):	Not applic	able					
Note on ETF	e technology	to be used	Not applic	able					
Disposal of t	the ETP sluc	lge	Not applic		77				
			38.H	azardous	Was	ste D	etails		
Serial Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Total	Method of Disposal
1	Not app	olicable		Not applicable	appli	ot cable	Not applicable	Not applicable	Not applicable
			39.5	tacks em	issic	n De	etails		
Serial Number	Section	& units		sed with antity	Stac	k No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not app	olicable	plicable	N appli	ot cable	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		Not applicabl	e	N	Vot applicabl	e	Not applicable
41.Source of				applicable					
42.Mode of	Transportat	ion of fuel to	site Not	applicable					





		Total RG a	roa ·	54,729.85 S	Sor m				
		No of trees		-	·q. III.				
43.Green Belt		•		NA					
			Number of trees to be planted :		1781				
Develop	ment	List of pro native tree		NA					
		Timeline for completion plantation	ı of	NA					
	44.Nu	-		rees spe	cies to b	e plante	d in the ground		
Serial Number		the plant		n Name		ntity	Characteristics & ecological importance		
1	N	ĪΑ	N	ſΑ	N	ΙA	NA		
45	.Total qua	ntity of plan	its on grou	nd			05		
46.Num	ber and	list of sl	rubs an	d bushes	species	to be pla	anted in the podium RG:		
Serial Number		Name		C/C Dista	nce		Area m2		
1		NA		NA			00		
				47.Er	iergy				
		Source of supply:	power	MSEDCL					
		During Cor Phase: (De Load)	During Construction Phase: (Demand Load)		NA				
		DG set as Power back-up during construction phase		NA					
_		During Op phase (Cor load):	eration nected	850 KVA					
Pov require		During Operation phase (Demand load):		500 KVA	>				
		Transformer:		750 KVA					
		DG set as Power back-up during operation phase:		500 KVA					
		Fuel used:		LSD					
		Details of tension lin through thany:	e passing	NA					
		48.Ene	rgy savi	ng by no	n-convei	ntional m	nethod:		
 LED lighti 	ing proposed v sensors ar	re proposed i	n common a	reas					
	Tagnoning pr		9.Detail	calculati	ons & %	of savin	a:		
Serial Number	Energy Conservation M				0113 01 70	01 501711	Saving %		
1		Solar V	Vater Heate	r			NA		
2		LE	D lighting				NA		
		50	.Details	of polluti	ion cont	rol Syste	ms		
Source	Ex	isting pollu					posed to be installed		
Not applicable		Not	applicable				Not applicable		

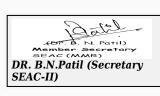








Budgetary		Capital o	cost:	45 Lakhs						
(Capital O&M	cost and cost):	0 & M c	ost:	2 Lakhs						
51.Environmental Managemen						olan Bı	ıdgeta	ry	Alloca	tion
	a) Construction phase (with Break-up):									
Serial Number	Attr	ibutes	Parar	neter		Total (Cost per aı	nnun	ı (Rs. In L	acs)
1		/ Top Soil gement	N	Ā				35		
2	Drinking V	r Labour + Vater + Firs angement	st N	- A				15		
			b) Operat	ion Pha	se (wi	th Breal	k-up):			
Serial Number	Com	ponent	Descr	iption	Capi	tal cost Rs Lacs	. In Op		ional and i st (Rs. in	Maintenance Lacs/yr)
1	Sewage P	Sewage Treatment Plant		Ā		71.75			5	
2	Rain Wate	r Harvestin	g N	Ā		20			1	
3		lscape gement	N	Ā		76.81		52.92		2
4	Energy C + Sol	onservation ar Panel	N	NA 153		153			6.89	
5		onment itoring	N	Ā		1			1.6	
51.S	torage	of ch	emicals	(inflate subst	mabl ance	e/expl	osive/l	ıaz	ardou	s/toxic
Description Status		Location	Storag		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 applicable applicable		Not applicable Not applicable Not applicable Not applicable Not applicable			Not applicable				
			52.A	ny Othe	r Info	rmation	1			
No Informa	No Information Available									
				Traffic 1	Manag	gement				
				1						





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

Brief information of the project by SEAC

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

PP informed that this project is Cancer Patient's and dwelling for their attendants. Building configuration is Stilt + 12 floors. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 240007.49 sq.mt & total construction area of the project (FSI + Non FSI) is 19497sq.mt. Committee noted that total construction area for all proposed casesis 61100.57 sq.mt. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A & presentation submitted are taken on the record.

During discussion following points emerged:

DECISION OF SEAC



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In view of this, the proposal is deferred and shall be considered further after the compliance of following observations submitted in two weeks for reconsideration.

Specific Conditions by SEAC:

1) PP to submit revised CS indicating Built up Area for all existing & proposed facilities/infrastructures and upload.
2) PP to submit STP details. Also PP to ensure that STP discharge standard for BOD should be 10 mg/lit and Suspended Solids should be 20 mg/lit.

3) Considering the nature of project and surrounding of building area, committee suggested to revise rain water harvesting plan which should propose storage tank instead of recharge pit. The storage tank should be of 2 days storage capacity. PP to submit revised plan & details.

4) PP to ensure that dedicated Gate No 3 should be used for proposed facility to minimize the movement of people in the core hospital area.

5) PP to provide details of the parking like two wheeler parking, visitor's parking etc and indicate it on a layout, submit and upload scale drawing.

6) PP to ensure that fire tender movement should be clear of any kind of obstacles.

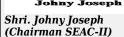
7) PP to submit light and ventilation analysis and measures to increase the same. And also upload it on website. 8) PP to provide energy budget indicating saving by renewable measures and Energy Conservation Building Code (ECBC) standards.

9) PP to upload the approved plans with duly stamped & singed of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan and other above said compliances etc on the website of ec.mpcb.in

10) PP to submit cumulative impact considering proposed proton facility.

FINAL RECOMMENDATI

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



fort. Johny Joseph

SEAC Meeting number: 53rd Meeting Date May 4, 2017

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

Conoro	Information:
General	IIIIVI III alivii:

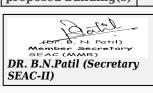
General Information:						
1.Name of Project	Proposed construction of Hadron Beam (Proton Therapy) Facility & Expansion of Radiological Research Unit & Administration Block (RRU)					
2.Type of institution	Government					
3.Name of Project Proponent	ata Memorial Center					
4.Name of Consultant	Aditya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

21.Estimated cost of the project 1300300000

22.Number of buildings & its configuration

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

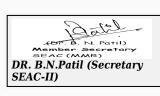
2	lydron idenity	Orouna i ror	0.20					
23.Number of tenants and shops	Radiological research un Hadron facility: 01	Radiological research unit & Administration block (RRU): 01 Hadron facility: 01						
24.Number of expected residents / users	1055							
25.Tenant density per hectare	756							
26.Height of the building(s)								
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)		width, Nearest Fire Station is locate	d at approx 1.5 Km from the plot					



28.Turning for easy ac fire tender movement around the excluding for the pla	from all building the width	7.5m, 11.5n								
29.Existing structure	J s) if any	The propose	ed construct	ion is within	the hospital campus whi	ch is spread on 60 acres of land.				
30.Details demolition disposal (I applicable)	with f	APPROX 1-3	3 MT/DAY							
31.Production Details										
Serial Number	Pro	duct		(MT/M)	Proposed (MT/M)	Total (MT/M)				
1	Not ap	plicable	Not ap	plicable	Not applicable	Not applicable				
					r Requiremen					
		Source of		CIDCO						
		Fresh wate	er (CMD):	72						
		Recycled w Flushing (vater - CMD):	27		70				
		Recycled w Gardening	vater - (CMD):	NA						
		Swimming pool make up (Cum):		NA	0					
Dry season	Dry season:		Total Water Requirement (CMD)		99					
		Fire fighting Undergroutank(CMD	ind water	254000						
		Fire fighting Overhead tank(CMD)	water	NA						
		Excess trea	ated water	CIDCO sewer network						
		Source of		CIDCO						
		Fresh water (CMD):		72						
		Recycled water - Flushing (CMD):		27						
		Recycled v Gardening	(CMD):	NA						
		Swimming make up (Cum):	NA						
Wet season	1:	Total Wate Requirement:	ent (CMD)	99						
	5	Fire fighting Undergroutank(CMD	ind water	254000						
		Fire fighting Overhead tank(CMD)	water	NA						
		Excess trea	ated water	CIDCO sew	er network					
Details of Spool (If an	Swimming y)	NA								
		3	3.Detail	s of Tota	l water consume	d				
Particula rs	Cons	sumption (C	CMD)		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	
	Level of the Ground water table:				j					
		Size and no of RWH tank(s) and Quantity:		NA						
		Location of the RWH tank(s):		NA						
34.Rain V		Quantity o	f recharge	4						
Harvestin (RWH)	ıy	Size of rec	harge pits	3.0 m				22		
		Budgetary (Capital co	allocation st) :	24.76						
		Budgetary (O & M cos		1.24						
		Details of if any:	UGT tanks	in the camp	us.			re strategica in the campu	Ü	
35.Storm	water	Natural wa drainage p	attern:	combination of channels and piping						
drainage	water	Quantity of water:		Hadron Building = (W=0.45) X (D = 0.40 to 0.60), RRU building = (W=1.0) X (D = 0.90 to 1.20) sized as per design max rainfall intensity of 125 mm/hour						
		Size of SW	D:	sized as per	design max	rainfall inte	nsity of 125	mm/hour		
		6			}}					
		Sewage ge in KLD:	neration	100						
		STP techno		Sewage generated from the project will be connected to CIDCO sew network which have STP at the end.						
Sewage	and	Capacity of (CMD):		Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end.						
Waste w	ater	Location & the STP:		Sewage generated from the project will be connected to CIDCO sevenetwork which have STP at the end.						
		Budgetary (Capital co	st):	IVA						
		Budgetary (O & M cos	st):	IVA						
		- V		d waste		gemen	Į.			
Waste generative Pre Con	eration in	Waste gen		Debris 1-3 MT/day						
and Constr phase:		Disposal of construction debris:	t the on waste	used for filling the plot and maintaining natural slopes						
	Ť	Dry waste:		326.3						
		Wet waste:		87.2						
Wasto go	noration	Hazardous	waste:	NA						
Waste ger in the ope Phase:	eration	Biomedica applicable		2008						
		STP Sludge sludge):	e (Dry	0.1						
		Others if a	ny:	NA						







Mode of Disposal of waste: Mode of Disposal of waste: Hazardous waste: Biomedical waste (If applicable): STP Sludge (Dry sludge): Others if any: Na Area requirement: Area for the storage of waste & other material: Area for machinery: At utility area At utility area	Biomedical Waste				
Mode of Disposal of waste: Hazardous waste: NA					
Mode of Disposal of waste: Biomedical waste (If applicable): Biomedical waste will be sent to nearest Common Treatment and Disposal facility (CBMWTSDF) authors are supported by the story of the story of the story of the story of waste & other material: Nil Area for the story of waste & other material: Area for machinery: At utility area					
Area requirement: STP Sludge (Dry sludge): NA					
Sludge): Others if any: Nil Location(s): At utility area Area for the storage of waste & other material: Area for machinery: At utility area At utility area					
Area requirement: Location(s): At utility area Area for the storage of waste & other material: Area for machinery: At utility area					
Area for the storage of waste & other material: Area for machinery: At utility area					
requirement: of waste & other material: Area for machinery: At utility area					
Budgetary allocation Capital cost: 10					
(Capital cost and O&M cost): 2					
37.Effluent Charecterestics					
Sorial Inlot Effluent Outlet Effluent	Effluent discharge				
Number Parameters Unit Charecterestics Charecterestics	standards (MPCB)				
1 Not applicable Not applicable Not applicable Not applicable	Not applicable				
Amount of effluent generation (CMD): Not applicable	able				
Capacity of the ETP: Not applicable					
Amount of treated effluent recycled : Not applicable					
Amount of water send to the CETP: Not applicable					
Membership of CETP (if require): Not applicable					
Note on ETP technology to be used Not applicable					
Disposal of the ETP sludge Not applicable					
38.Hazardous Waste Details					
Serial Number Description Cat UOM Existing Proposed Total	Method of Disposal				
1 Not applicable Not applicable Not applicable Not applicable applicable applicable applicable	Not applicable				
39.Stacks emission Details					
Serial Number Section & units Fuel Used with Quantity Stack No. Height from ground level (m) Internal diameter (m)	Temp. of Exhaust Gases				
1 Not applicable Not applicable Not applicable Not applicable applicable applicable	Not applicable				
40.Details of Fuel to be used					
Serial Number Type of Fuel Existing Proposed	Total				
1 Not applicable Not applicable Not applicable	Not applicable				
41. Source of Fuel Not applicable					
42.Mode of Transportation of fuel to site Not applicable					







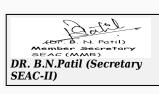
43.Green Belt	Total RG area:	24000
	No of trees to be cut :	Nil
	Number of trees to be planted :	155
	List of proposed native trees :	DETAILS GIVEN IN LIST OF PROPOSED PLANTATION ON GROUND
	Timeline for completion of plantation :	4 YEARS FROM START OF CONSTRUCTION

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

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

45. Total quantity of plants on ground

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NIL
		47.Energy	
	Sila		





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

48. Energy saving by non-conventional method:

RRU

- Power factor Correction panels at distribution side
 All Light fixture are LED type

- All Light inture are LED type
 LED Street lights with Solar panel are proposed.
 Providing fresh air as per ASHRAE 62.1 requirement
 Chilled water pump with VFD
 Use of Heat wheel for exhaust air energy recovery up to 70%
 Controlling required air quantity by VAV installed on diffusers
 Use of CFC free refrigerant Freon 134 A
 Lies of law belging application of the properties of 24
- Use of low shading coefficient glazing 0.24
 Under deck insulation of exposed roof.
- Hydron facility:
- Energy efficient Led Light fixtures are used.
 Solar panel of minimum 10 KW is provided.

- 5 star rated ceiling fans are used.
 Secondary pumps with VFD are proposed to distribute Chilled water from the Chiller to the Hospital in order to have better energy conservation.
- AHUs are also proposed with VFD.
 Lad street light fixtures are used.

Led street light fixtures are used									
49.Detail calculations & % of saving:									
Serial Number	E	nergy Conservation M	easures	Saving %					
1	All Light fix Solar pane ASHRAE 6 VFD,Us recovery u by VAV refrige coefficien	tor Correction panels at xture are LED type, LED el are proposed, Providin (2.1 requirement, Chilled to of Heat wheel for exhap to 70%, Controlling requirement, Chilled on diffusers, Userant Freon 134 A, Use on the glazing 0.24, Under deport.	Street lights with g fresh air as per water pump with nust air energy quired air quantity se of CFC free f low shading ock insulation of	648599.2					
		50.Details	of pollution o	control Systems					
Source	Ex	isting pollution contro	ol system	Proposed to be installed					
Not applicable	Not applicable			Not applicable					
Budgetary allocation Capi		Capital cost:	206.87						
(Capital cost and O&M cost): O & M cost:		6.1							
51.Environmental Management plan Budgetary Allocation									
a) Construction phase (with Break-up):									



SEAC Meeting No: 53rd Meeting Date: May 4, 2017

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

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Serial											
Number	Attr	ibutes	Parai	neter		Total Cost per annum (Rs. In Lacs)					
1		nd top soil gement	N	NA		20					
2	Drinking v	or labour + water + Fir angement	st N	Ā				20			
			b) Operat	ion Pl	hase (wi	th Brea	k-up):			
Serial Number	Com	ponent	Descr	iption	Cap	ital cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)	
1		l waste igement	N	Ā		10			02		
2		ical waste gement	N	Ā		0			05		
3	Rain wate	r harvestin	g N	Ā		24.76			1.2		
4	Gre	en belt	N	A		1			0.50		
5		ving feature		A		40			2.50		
51.S	torage	e of ch	emicals	(infl	amabl	<u>le</u> (expl	osiv	/e/haz	zardou	s/toxic	
	Ī			Sub	Stalle	Maximum					
Descri	ption	Status	Locatio	n	Storage Capacity in MT	Quantity of Storage at any point of time in MT		umption onth in MT	Source of Supply	Means of transportation	
Not app	licable	Not applicable	Not applica	able	ole Not applicable Not a		pplicable	Not applicable	Not applicable		
			52.A	ny Ot	her Info	rmation	1				
No Informa	tion Availal	ole									
			53.	Traffi	c Mana	gement					
		Nos. of to the m design of confluer	the junction ain road & of occ:	2 entri	es to the ma	ain road, as	showr	n in the m	aster plan o	of the campus	
		Number basemer	and area of it:	NA							
		Number podia:	and area of	NA							
		Total Pa	rking area:	4200							
		Area per	car:	18							
		Area per		18							
Parking details:	Number Wheeler approve compete authorit	s as d by ent	12								
		Number Wheeler approve compete authorit	s as d by ent y:	60							
		Public T	ransport:	5 vehic	les for app	ox 100 staf	f				
		roads (n			oad = 7.5 m = 8.0 m (lan		5 (lane	e) m + 1.0) m. (divide	r), secondary	
		CRZ/ RR obtain, i	Z clearance f any:	NA							







Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
Category as per schedule of EIA Notification sheet	8 (a)
Court cases pending if any	NA
Other Relevant Informations	NA
Have you previously submitted Application online on MOEF Website.	No
Date of online submission	- 3

Brief information of the project by SEAC

PP Dr. Narayan Dy. Director and Dr. V. Rangarajan, head nuclear medicine were present during the meeting. PP informed that, they have received Environmental Clearance vide letter no. SEAC 2013/CR-101/TC-1 for Existing project (Radiological Research Unit and Administration Block - RRU) and Centre for Cancer Epidemiology (CCE, Archive and Record Storage) had been granted on 8thApril 2013.

PP informed that the present project proposal is for construction of Hadron Beam (Proton Therapy) facility (Ground + 1UF) and Expansion of Radiological Research Unit & Administrative Block (RRU) (Basement + Ground + 7 UF). PP further explained that, Proton therapy systems for medical tumor irradiation uses particle accelerators such as cyclotrons as a powerful radiation source. These installations will comply with AERB regulations for radiation protection. And RRU & administrative block will include Imaging facilities such as PET CT, SPECT CT and PET MRI, OPD's and academic offices, Radiological Protection & Advisory Division labs.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 240007.49 sq.mt & total construction area of the project (FSI + Non FSI) is 21,516 sq.mt. Committee noted that the project is used as (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A & presentation submitted are taken on the record

During discussion following points emerged:

In view of following, the proposal is deferred and shall be considered further after the compliance of above observations submitted for reconsideration.

Specific Conditions by SEAC:

1) PP to submit internal traffic movement Plan as per the International norms for Hospital Management, evacuation time and calculation considering in emergency.

2) PP to submit details of internal road width, turning radius, fire tender movement and its access etc.

- 3) PP to submit details of the measures adopted for controlling the radiation impacts inside the facility and also Area
- around the facility. Also indicate nearby population which may get affected in the event of any disaster.

 4) PP to elaborate in detail the nature of accidents that may happen in the facility and measures to control the same.

 5) PP to Submit Rapid EIA for the facilities proposed in the campus along with Environmental Plan. And also consider 6) PP to Submit Detail Storm water Plan superimposed on the contour Map for site and surrounding area.
 7) PP to submit Detail Waste Disposal & Management Plan for all types of waste generated in the campus.
 8) PP to submit Details of the Bio-indicate waste treatment facility.

9) PP to submit Details of the liquid waste treatment Management Plan.

10) PP to submit literal Plan for Noise Pollution Control during operation of construction phase.

11) PP to submit detailed Disaster management plan.

- 12) PP to indicate on Building layout Plan, Fire tender Movement all around the building.

 13) Radioactive material should be treated & disposed of as per the guidelines of Atomic Energy Regulatory Board
- 14) Considering the surrounding of building area, committee suggested to revise rain water harvesting plan which contain storage tank instead of recharge pit. The storage tank should be of 2 days storage capacity. PP to submit revised plan & details.

FINAL RECOMMENDATION

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



SEAC Meeting No: 53rd Meeting Date: May 4, 2017



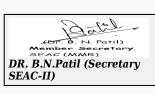
Johny Joseph Shri. Johny Joseph (Chairman SEAC-II)

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SEAC Meeting number: 53rd Meeting Date May 4, 2017

Subject: Environment Clearance for Proposed Residential Redevelopment Project at Plot No. 71, C.S. No. 447 of Sewri Wadala Estate Scheme at Dyaneshwar Nagar, R.A. Kidwai Marg, Parel Sewri Division, Wadala, Mumbai 400031proposed by Xcellent Realty Pvt Ltd.

0 11								
	nformation	on:						
1.Name of P	3		-	sidential Redevelopment Project				
2. Type of ins	stitution		Private					
3.Name of P	roject Propo	nent		: Shovir Irani,Xcellent Realty Pvt.Ltd. 702, Natraj, M.V. Road, Western Express Highway, dheri (E), Mumbai- 400 069				
4.Name of C	onsultant		Mr. H.K. Des Behind Metro	ai Enviro Analysts & Engineers Pvt. Ltd.,B- o Mall Western Express Highway Borivali (I	1003, Enviro House Western Edge II, E), Mumbai-400066			
5.Type of pr	oject		Redevelopme	ent Residential Project (MHADA)				
	ct/expansion ernization/di roject	in existing versification	Not applicab	le	0			
whether env	on/diversifica ironmental c tained for ex	clearance	Not applicab	Not applicable				
8.Location o	f the project		on plot no. 72 Kidwai Marg	1 C.S. no. 447 of Sewri Wadala Estate Sche , Parel Sewri Division, Wadala, Mumbai 400	me No 57 at Dyaneshwar Nagar, R.A. 0031			
9.Taluka			-					
10.Village			wadala					
11.Area of the	ne project		Municipal Co	orporation of Greater Mumbai (MCGM)				
40 100 /104		21	applied					
Approval Nu	Concession/I mber	rian		ncession/Plan Approval Number: File No	o. CHE/TEMP/7920/New 337			
**			Approved B	uilt-up Area: 42579.79				
applicable)	the initiated		nil	nil				
14.LOI / NO Other appro	14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)			HADA NOC/Letter dated 03-09-2016 (CO/MB/REE/NOC/F/1365/2016)				
15.Total Plo	t Area (sq. m	ı.)	6180.04 sq.m	1.				
16.Deductio	ns		1147.61 sq.m	1.				
17.Net Plot	area		5032.43 sq.m	· A				
40 D	D 11 A	(EGI C	a) FSI area	(sq. m.): 20804.25 sq.m.				
Non-FSI)	Built-up Are	ea (FSI &	b) Non FSI area (sq. m.): 21775.54 sq.m.					
				A area (sq. m.): 42579.79 sq.m.				
19.Total gro	und coverage	e (m2)	2761.00 sq.m	1.				
	overage Percentage of plo		55%)					
0 -	d cost of the	project	230000000					
			2	buildings & its config	guration			
Serial number		ig Name & i		Number of floors	Height of the building (Mtrs)			
1		Rehab		Basement+Ground+2 Podium+1st to 18th +19th Part floor	68.75			
2	5	Sale		Basement+Ground+5 Podium+1st to 16th floor	69.75			
23.Number of tenants and shops Rehab = 140			0					
24.Number of expected residents / Rehab = 700 users			00, Sale =600 ,Total =1300					
25.Tenant per hectar		300/ hectar	е					
26.Height building(s)	of the							









27.Right of (Width of t from the n station to t proposed b) 28.Turning for easy ac fire tender movement around the	the road earest fire the puilding(s) gradius cess of from all	24.40 m wid	le D.G. Mah	ajani Marg					
around the building excluding the width for the plantation									
29.Existing structure (y s) if any	7 nos of exis	sting bldgs o	of G +4 Floor	S				
	O.Details of the emolition with isposal (If It is carried out as per received debris management plan by concern authority								
			31.P	roduct	ion Details				
Serial Number		duct	Existing		Proposed (MT/M)	Total (MT/M)			
1	Not ap	plicable	Not app		Not applicable	Not applicable			
					r Requirement				
		Source of v		MCGM/recy	rled water g63 KLD, Sale Bldg 54 I	ID Total 117VID			
		Recycled w	vater -		32KLD ,Sale Bldg 27 Kl				
		Recycled w Gardening	vater - (CMD):	Landscape- 6 KLD					
		Swimming make up (Cum):	6 cum	0				
Dry season	:	Total Wate Requireme		188 KLD					
		Fire fighting Undergroutank(CMD)	nd water	200					
		Fire fighting Overhead value tank(CMD)	water	30+30					
		Excess trea							
		Source of		MCGM/recyled water/ RWH Tank					
		Fresh wate Recycled w	, ,	Rehab. Bldg63 KLD ,Sale Bldg 54 KLD, Total - 117KLD					
		Flushing (CMD):	Rehab Bldg32KLD ,Sale Bldg 27 KLD					
		Recycled w Gardening	(CMD):	0					
	GY	Swimming make up (poor Cum):	6 cum					
Wet seasor	n:	Total Wate Requireme	er ent (CMD)	182 KLD					
		Fire fighting Undergroutank(CMD)	nd water	200					
		Fire fighting Overhead value tank(CMD)	water	30+30					
		Excess trea	ated water	88					
Details of S pool (If any	Swimming y)								
		3	3.Detail	s of Tota	l water consumed				



Particula rs	Cons	sumption (C	CMD)		Loss (CMD))	Ef	fluent (CM	D)		
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic a	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
		Level of th		3-3.5 m							
		Size and no of RWH tank(s) and Quantity:		Rehab = 50	cum, Sale=4	12 cum (2 da	ys storage)				
		Location of the RWH tank(s):		Ground leve	el						
34.Rain W	ater	Quantity o pits:	f recharge	Nil				3			
Harvesting (RWH)	g	Size of rec	harge pits	NA			C				
		Budgetary (Capital co	allocation st) :	Rs.11.00La	khs			9			
		Budgetary (O & M cos		Rs.0.60 Lak	ths/year						
		Details of if any:	UGT tanks	domestic = flushing = fire tank = true RWH Tank		n OH= 30+3 00cum, Sale=	0 =42 cum				
3F Ct		Natural wa drainage p		North to South							
35.Storm v drainage	water	Quantity o water:		0.24 m3/s							
		Size of SW	D:	0.45m (wide)x0.100m (deep)							
				<u> </u>							
		Sewage ge in KLD:		Rehab - 88 KLD, Sale - 76KLD, Total - 164 KLD							
		STP techno		MBBR Technology							
Sewage a	nd	Capacity o (CMD):	f STP	180 KLD							
Sewage a Waste wa	iter	Location & the STP:		At Basement Level=150 sq.m.							
		(Capital co		Rs.35.00 Lakhs							
		Budgetary (0 & M cos	st):	Rs.7.50 Lakhs/year							
	<u> </u>	3	<u> 86.Soli</u>	d waste	<u>Mana</u>	gemen	t				
Waste generathe Pre Cons	ration in	Waste gen	eration:	Dismantling m3,Removi	g bricks=168 ng cement ti	8 m3,R.C.C. a les or marble	and brick ma e=58 m3	sonry work :	=25		
and Constru phase:		Disposal or construction debris:		To be Disposite	osed as per D	ebris manag	gement plan	at designate	d disposal		
		Dry waste:		Rehab. Bldg	g 140 Kg/I	ay ,Sale Bld	g 120 Kg/ I	Day, Total -20	60Kg/Day		
		Wet waste		Rehab Bldg	210 Kg/D	ay ,Sale Bldg	g 180 Kg/ D	ay ,Total -39	0 Kg/Day		
Wasta	ovetica	Hazardous	waste:	NA							
Waste gen in the oper Phase:	ration	Biomedica applicable		NA							
,		STP Sludgesludge):	e (Dry	10Kg							
		Others if a	ny:	nil							





		Dry waste:		To be mana	nged th	rough	recyclers.			
		Wet waste		To be proce	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping					
M - 1 - 61	N:1	Hazardous waste:		NA						
Mode of I of waste:	Disposai	Biomedical waste (If applicable):		NA	NA					
		STP Sludg sludge):	e (Dry	To be used as manure.						
		Others if a	ny:	nil						
		Location(s):	Ground Lev	/el					
Area for the following for the following following for the following followi			e storage other	e 23.83 sq.m.						
		Area for m	achinery:	2.78 sq.m.						
Budgetary	allocation	Capital cos	st:	Rs.10.00 La	akhs					
(Capital co O&M cost)		O & M cos	t:	Rs. 2.00 La	khs/yea	ar				
,			37.E	ffluent C	hare	cter	estics			
Serial Number	Paran	neters	Unit	Inlet E Charect			Outlet 1 Charect			Effluent discharge standards (MPCB)
1	Not app	plicable	Not applicable	Not ap	plicable	Э	Not applicable			Not applicable
Amount of e (CMD):	Amount of effluent generation (CMD):							7		
Capacity of	the ETP:		Not applic	able						
Amount of trecycled:	reated efflue	ent	Not applic	able		2				
Amount of w	vater send to	the CETP:	Not applic	able						
Membership	of CETP (if	require):	Not applic	able						
Note on ETI	- 01		Not applic							
Disposal of	the ETP sluc	lge	Not applic	-	<u> </u>					
			38.H	azardous	Was	te D	etails			
Serial Number	Descr	iption	Cat	UOM	Exist	ting	Proposed	Tot	tal	Method of Disposal
1	Not app	plicable		Not applicable		able		No applio		Not applicable
			39.S	tacks em	issio	n De				
Serial Number	Section	& units		sed with antity	Stack	No.	Height from ground level (m)	Inter diam (n	eter	Temp. of Exhaust Gases
1	Not app	olicable		plicable	No applio	able	Not applicable	No applio	ot cable	Not applicable
		Y	40.De	etails of F	uel t	to be	e used			
Serial Number	Тур	e of Fuel		Existing			Proposed			Total
1		applicable		Not applicabl	e	N	Not applicabl	е		Not applicable
41.Source o				applicable						
42.Mode of	Transportat	ion of fuel to	site Not	applicable						





		Total RG a	rea:	1275.50 sq.m (25.34%)						
		No of trees	to be cut	32 Nos.	32 Nos.					
43.Gree Develop	n Be <u>l</u> t		Number of trees to be planted :		65Nos.					
Develop	ment	List of proposed native trees :		as below	as below					
Timeline for completion of plantation :			of	at the end of construction phase						
44.Number and list of				rees spec	rees species to be planted in the ground					
Serial Number		the plant		n Name	Quantity	Characteristics & ecological importance				
1	Cassia	fistula	Bah	nava	7	Shaded tree				
2	Saraca	n indica	Sita A	Ashok	8	Shaded tree				
3	Michelia	champaka	Son	chafa	8	Shade givers, scented flowers				
4	Bahunia	blakeana	Ord	chid	7	Shade givers				
5	Lagerstom	ia spaciosa	Taı	man	9	Ornamental tree				
6	Alstonia	scholaris	Sapta	aparni	5	Noise reduction, Dust & smoke				
7	Plume	ria alba	White I	Plumeri	9	Shade givers				
8	Azadired	Azadirecta indica Ne		em	5	Noise reduction				
9	9 Bahunia purpurea		Kan	chan	7	Deciduous tree				
		ntity of plan								
	iber and	list of sl	irubs an	d bushes	species to l	oe planted in the podium RC				
Serial Number		Name		C/C Distan	ce	Area m2				
1	not	applicable		not applical	ole	not applicable				
			·	47.En	ergy					
		Source of p supply:	oower	Reliance ene	rgy					
		During Cor Phase: (De Load)		250 KW						
		DG set as l back-up du construction	iring	100 KVA						
т.		During Op phase (Cor load):	eration inected	4178 Kw						
Pov require	wer ement:	During Op phase (Der load):	eration nand	2001 Kw						
		Transform	er:	nil						
5		DG set as I back-up du operation	ıring	1 X 600 KVA						
		Fuel used:		HSD						
		Details of high tension line passing through the plot if		NA						
		through th	e plot if	INA						
		through th any:	e plot if		-conventio	nal method:				

Total Saving Due to VFD for Lift and Pump
Total Saving Due to Solar Lighting for Lift Lobby & Street/Landscape Lighting

49. Detail calculations & % of saving:



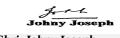






Serial Number	1	Energy Cor	nservation Mo	easures				Savi	ng %							
1			as above			Rehab = 20.00%, Sale = 19.00%										
		5	0.Details	of pol	lution c	ontrol S	ysten	ns								
Source	E	xisting pol	lution contro	l systen	1		Prop	osed to	be installe	ed						
Not applicable		No	ot applicable			Not applicable										
Budgetary (Capital	allocation	Capital o	ost:	Rs.6.00	Lakhs											
O&M	cost and	0 & M co	st:	Rs. 0.30) Lakhs/yea	ır										
51	51.Environmental Management plan Budgetary Allocation															
		a)	Construc	ction p	phase (v	vith Bre	ak-up):								
Serial Number	Attr	ibutes	Parai	meter		Total (Cost pe	r annui	m (Rs. In I	acs)						
1	Air Env	ironemnt	dust sup	pression	ı			2.5								
2	Land En	vironment	site sa	nitaion				2.3								
3		nmental itoring	For Air, No Ana	oise, Wat lysis	er			15.0								
4	Е	HS	Disinf			2.0					2.0			2.0		
5	Е	HS		heck up				3.5								
b) Operation Phase (with Break-up):																
Serial Number	Com	ponent	Descr	iption	Capi	tal cost Rs Lacs	. In	Operat Co	tional and ost (Rs. in	Maintenance Lacs/yr)						
1	water en	vironment	Rain Water		ing	11.00)		0.6							
2	land env	vironment		waste jement		10.00			2.00							
3	water en	vironment		ГР		35.00			7.5							
4	energ	y saving	Energy Co meas	nservatio sures	on	6.0			0.3							
5		vironment	Lands			3.00			1.0							
51.S	torage	of ch	emicals	(infl sub	amabl stance	e/explo (S)	osive	e/haz	zardou	s/toxic						
	Description Status		Location		Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consui / Moi	mption nth in IT	Source of Supply	Means of transportation						
Not app	licable	Not applicable	Not applica		Not applicable	Not applicable		plicable	Not applicable	Not applicable						
			52.A	ny Otl	her Info	rmation	1									
No Informa	tion Availab	ole														
	C			Traffi	c Mana	gement										
	7		he junction ain road & f ce:	2 NO. C)F ENTRY /	EXIT FROM	1 24.40	m wide	D.G. Mahaj	ani Marg						





	Number and area of basement:	1No. (3092.98 sq.m.)
	Number and area of podia:	5 podium (5795.04 sq.m.)
	Total Parking area:	10812.73 sq. m
	Area per car:	35.45 sq.m.
	Area per car:	35.45 sq.m.
Parking details:	Number of 2- Wheelers as approved by competent authority:	NA
	Number of 4- Wheelers as approved by competent authority:	304 NOS.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 M
	CRZ/ RRZ clearance obtain, if any:	NA
		NA NOT WITHIN 10 KM OF AREA
	obtain, if any: Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State	
	obtain, if any: Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries Category as per schedule of EIA	NOT WITHIN 10 KM OF AREA
	obtain, if any: Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries Category as per schedule of EIA Notification sheet Court cases pending	NOT WITHIN 10 KM OF AREA Schedule 8a, Category B
	obtain, if any: 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	NOT WITHIN 10 KM OF AREA Schedule 8a, Category B Nil
	obtain, if any: 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 Have you previously submitted Application online	NOT WITHIN 10 KM OF AREA Schedule 8a, Category B Nil nil

Brief information of the project by SEAC

PP, Mr.Shovir Irani, & Mr. Ganesh Mayekar & Architect Mr.Manish Sawant were present during the meeting along with environmental consultant Mr. H.K Desai. PP informed that the project proposed is a fresh one for Redevelopment under DCR 33(5). MHADA issued offer letter for proposed redevelopment vide letter dated 03-09-2016 (CO/MB/REE/NOC/F/1365/2016) for 2.5 FSI.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 6180.04m2 & total construction area of the project (FSI + Non FSI) is 42579.79 m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

PP stated that, there are 7 existing buildings with configuration Ground +4 floors comprising 140 rehab tenants which will be demolished. The new proposed Rehab building is of B+G+2P+1to18+19 (pt) floor configurations and for sale building the configuration is B+G+5P+1 to 16 floors.

During discussion following points emerged:

DECISION OF SEAC



fort.

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

Specific Conditions by SEAC:

1) PP submitted that there no impact on Sewari mudflats as per the study. PP to submit the data & methodology used for study especially for the Ground Level Concentration (GLC) model for projecting the impacts on surrounding area especially impact on Sewari Mudflats.

2) PP to submit & upload all NoCs like Strom water connection, Sewerage connection, Tree Authority etc

3) Committee noted that, the proposed STP is located in basement & for ventilation 20 air changes/hr are provided. In addition to this, PP to provide air cleaning system for basement.

4) PP to ensure that no Storm water drainage is passing through the project. PP to submit Storm water calculations including Minimum & Maximum slope for storm water discharge.

5) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliance etc on the website of ec.mpcb.in
6) PP to ensure that width of the road for fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same.

7) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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





fort. Johny Joseph

SEAC Meeting number: 53rd Meeting Date May 4, 2017

Subject: Environment Clearance for Application for Amendment of Environmental Clearance for the project Arkade Art, Survey no. 109 Hissa no. 3, 6, Survey no. 111 Hissa no. 10, Survey no. 121, Hissa no. 1, 2, 8 of Village Ghodbunder, Bhayander (East), Taluka & District - Thane by M/s. ARKADE REALTY

General 1	[nformati	on:					
1.Name of P	roject		Arkade Art, S no. 1, 2, 8 of	urvey no. 109 Hissa no. 3, 6, Survey no Village Ghodbunder, Bhayander (East),	. 111 Hissa no. 10, Survey no. 121, Hissa Taluka & District - Thane		
2.Type of in	stitution		Private				
3.Name of P	roject Propo	nent	Mr. Amit Mai	ngilal Jain from M/s. Arkade Realty			
4.Name of C	Consultant		Mr. H.K. Des	ai from M/s. Enviro Analysts & Enginee	rs Pvt. Ltd.		
5.Type of project Residential development							
6.New project/expansion in existing project/modernization/diversification Expansion in existing project							
7.If expansion/diversification, whether environmental clearance has been obtained for existing project Yes, Environmental Clearance received dated 19th May 2 SEAC-2014/CR-54/TC-1					May 2016, letter vide no.		
8.Location o	of the project		Survey no. 10 Village Ghod	9, Hissa no. 3, 6, Survey no. 111, Hissa ounder, Bhayander (East), Taluka& Dist	no. 10, Survey no. 121, Hissa no. 1, 2, 8 of crict - Thane		
9.Taluka			Thane				
10.Village			Ghodbunder				
11.Area of t	he project		Mira - Bhaya	nder Municipal Corporation (MBMC)			
				er no. J.NO.MB/MNP/NR/1924/2016-17			
12.IOD/IOA/Concession/Plan Approval Number			IOD/IOA/Concession/Plan Approval Number: CC : vide letter no. J.NO.MB/MNP/NR/1924/2016-17 Dated 22.07.2016				
			Approved Built-up Area: 23128.00				
13.Note on applicable)	the initiated	work (If	Constructed work on site is 32,433.29 sqm out of 38,027.87 sq.mt approved in earlier EC dtd 19th May 2016				
	C / IOD from vals (If appli		NA				
15.Total Plo	t Area (sq. m	ı.)	18,460 sq.mt				
16.Deductio	ns		5244 sq.mt.				
17.Net Plot	area		13,216 sq.mt				
10 Duanaga	l D.,.:14 A.,	oo (ECI C	a) FSI area (sq. m.): 23,102.46 sq.mt.				
Non-FSI)	l Built-up Arc	ea (FSI &	b) Non FSI area (sq. m.): 16,722.19 sq.mt.				
			c) Total BUA area (sq. m.): 39,824.19 sq.mt.				
	und coverag		3082.49 sq.mt.				
20.Ground-o (Note: Perce to sky)	coverage Per entage of plo	centage (%) t not open	23 %				
	d cost of the	project	1224100000.00				
	2	2.Num	ber of l	ouildings & its conf	figuration		
Serial number		ıg Name & ı		Number of floors	Height of the building (Mtrs)		
1	As.	B1 (3 Wings)	Stilt/ Ground + 15 floors	46.55		
2		B2 (2 Wings		Stilt/ Ground + 14 floors	43.65		
3		B3 (3 Wings)		Stilt/ Ground + 13 floors	40.75		
4		B4 (1 Wing)		Stilt/ Ground + 14 floors	43.65		
5		Clubhouse		Gr + 1 (pt) floor 8.50			
23.Numbe tenants an	r of	490 nos.		**			
24.Numbe		2450 = 05					



expected residents / 2450 nos.

376.9 Tenant/hector

users

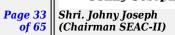
25.Tenant density

26.Height of the building(s)

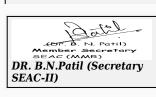
per hectare



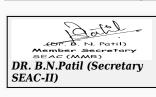




25 Di-lit -	C									
27.Right of (Width of t from the n	the road	18.00m wid	e D P Road							
station to t	the	10.00iii wia	e D.1 Road							
28. Turning for easy ac fire tender movement around the excluding for the pla	g radius cess of from all building the width	7.5 to 9 m								
				2 - RCC Com	iplete, B3 - 9 Slabs Comp	lete, B4 – Plinth Complete, Club				
30.Details demolition disposal (I applicable)	with f	NA				On				
			31.P	roduct	ion Details					
Serial Number		duct	Existing		Proposed (MT/M)	Total (MT/M)				
1	Not ap	plicable	Not app		Not applicable	Not applicable				
					r Requirement					
		Source of v		MBMC 251						
		Recycled w	vater -	127	0					
		Recycled w Gardening	vater -	16						
		Swimming make up (Cum):	NA						
Dry season	1:	Total Wate Requireme		395						
		Fire fighting Undergroutank(CMD)	nd water	400						
		Fire fighting Overhead value tank(CMD)	water	30						
		Excess trea		162						
		Source of	/ /	MBMC + RWH						
		Fresh water		251						
	1	Recycled w Flushing (Recycled w	CMD):	127						
		Gardening Swimming	(CMD):	0						
	5	make up (Cum):	NA						
Wet season	n:	Total Wate Requirement:	er ent (CMD)	379						
		Fire fighting Undergroutank(CMD)	nd water	400						
		Fire fighting - Overhead water tank(CMD):		30	30					
		Excess trea	ated water	179						
Details of S pool (If any	Swimming y)	NA	-							
		3	3.Detail	s of Tota	l water consumed	I				



Particula rs	Cons	sumption (C	MD)]	Loss (CMD))	Eí	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 meters							
		Size and no of RWH tank(s) and Quantity:		3 no. of tanl	ks of total ca	apacity 144.3	3 KLD (2 day	vs storage)			
		Location of the RWH tank(s):		Below groun	nd level						
34.Rain Water		Quantity of recharge pits:		NA				3			
Harvestii (RWH)	ng	Size of recharge pits		NA			(
		Budgetary (Capital co	allocation st) :	1450000							
		Budgetary (O & M cos	allocation st) :	72000							
		Details of if any:	UGT tanks	Domestic ta flushing tan Fire fighting	k: 127	(0)	3				
				5							
		Natural wa drainage p		Towards west							
35.Storm drainage		Quantity o water:		0.314 cum/h	nr						
		Size of SW	D:	0.6X0.3m w	ide channel						
					Y						
		Sewage ge in KLD:	neration	261 KLD							
		STP techno	ology:	MBBR							
Sewage	and	Capacity o (CMD):	f STP	1 nos of capacity 270 KLD							
Waste w	vater	Location & the STP:	area of	Below Ground level, 210 sq.mt							
		Budgetary (Capital co		3500000							
		Budgetary (O & M cos	allocation st):	200000							
	Δ λ.	3	86.Soli	d waste	Mana	gemen	t				
Waste gen the Pre Co	eration in	Waste gen	eration:	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority.							
and Constr phase:		Disposal or construction debris:		handed over	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.						
		Dry waste:		490 kg/day							
		Wet waste	}	735 kg/day							
XA7		Hazardous	waste:	NA							
Waste ge in the op Phase:	eneration eration	Biomedica applicable		NA							
		STP Sludg sludge):		17 kg/day							
		Others if a	ny:	NA							



		Daw voo sto		Will be ben	d orron	to I or	and Doorvalore	for recredi	n.c
		Dry waste:					cal Recyclers		
		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					
Mode of lof waste:	Disposal	Hazardous	waste:	NA					
of waste:	•	Biomedica applicable		NA					
		e (Dry	To be used	as ma	nure.				
		Others if a	ny:	NA					
		Location(s):	Ground leve	el				
Area requirem	ent:	Area for the of waste & material:		40 sq.m					
		Area for m	achinery:	2.78 sq.m					Oh
Budgetary		Capital cos	st:	900000					()
(Capital co O&M cost)		O & M cos	t:	180000					
,			37.Ef	fluent C	hare	cter	estics		
Serial Number	Serial Parameters Unit			Inlet E Charect	ffluer	ıt	Outlet 1	Effluent erestics	Effluent discharge standards (MPCB)
1	Not app	plicable	Not applicable	Not ap	plicabl	е	Not ap	olicable	Not applicable
Amount of e (CMD):	effluent gene	eration	on Not applicable						
Capacity of the ETP: Not applicable									
Amount of t recycled :	reated efflue	ent	Not applica	lble			3		
Amount of v	vater send to	the CETP:	Not applica	ble		<u>U</u>			
Membership	of CETP (if	require):	Not applica	ble					
Note on ETI			Not applica						
Disposal of	the ETP sluc	lge	Not applica	nzardous Waste Details					
			38.Ha	zardous	Was	te D	etails		T
Serial Number	Descr	iption	Cat	UOM	Exis		Proposed	Total	Method of Disposal
1	Not app	plicable	Not applicable	Not applicable	N appli	cable	Not applicable	Not applicable	Not applicable
			39.St	tacks em	issio	n D	etails		
Serial Number	Section	& units		sed with ntity	Stacl	k No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not app	olicable	Not ap	plicable	N appli		Not applicable	Not applicable	Not applicable
	CV		40.De	tails of F	uel	to b	e used		
Serial Number	Тур	e of Fuel		Existing			Proposed		Total
1	Not	applicable	N	Not applicabl	.e	N	Not applicabl	е	Not applicable
41.Source o	f Fuel		Not a	pplicable					
42.Mode of	Transportat	ion of fuel to	site Not a	pplicable					



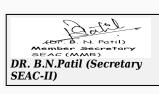


43.Green Belt Development	Total RG area:	3374.92
	No of trees to be cut :	0
	Number of trees to be planted :	188 nos.
	List of proposed native trees :	Listed as below
	Timeline for completion of plantation :	At the end of construction phase

	44.Number an	d list of trees spec	ies to be planted	in the ground	
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance	
1	Neem	Azadirachta indica	11	Medicinal tree	
2	Sita Ashok	Saraca asoca	10	Flowering tree	
3	Karanj	Pongamia pinnata	12	Medicinal plant	
4	Nandruk	Ficus retusa	10	Ornamental Tree	
5	Bahava	Cassia fistula	10	Flowering plant	
6	Parijatak	Nyctanthes arbortristis	14	Flowering plant	
7	Tamhan	Lagerstroemia flos- regineae	10	Flowering plant	
8	Apta	Bauhinia racemosa	10	Evergreen tree	
9	Fish Tail Palm	Caryota urens	10	Flowering plant	
10	Maharukh	Ailanthus excelsa	8	Flowering plant	
11	Satwin	Alstonia scholaris	10	Evergreen tree	
12	Kadamb	Anthocephalus cadamba	10	Evergreen tree	
13	Kunti	Murraya paniculata	8	Evergreen tree	
14	Copper pod	Peltophorum pterocarpum	9	Ornamental Tree	
15	Baku	Mimusops elengi	9	evergreen tree	
16	Pangara	Erythrina variegata	8	Flowering plant	
17	Son Chafa	Michelia champaca	10	Evergreen tree	
18	Lemon	Citrus limon	10	Fruit Tree	
19	Putranjiva	Putranjiva roxburghii	9	Evergreen tree	
4	45.Total quantity of pl	ants 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 Fnergy					





	Source of power supply:	TATA POWER
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	4726.51 KW
Power requirement:	During Operation phase (Demand load):	2404.22 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 X 250 KVA, 1 X 200 KVA, 1 X 230 KVA & 1 X 180 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

? Provision of solar water heating system
? Use of timer controlled system for 100% external lighting
? Provision of LED lights with timer control operations
? Use of VFD drives & soft starters for lift
? Use of high efficiency pumps motors with BEE five star rated & with level sensors.

49.Detail	calcu	lations	& %	of	saving:
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Serial Number	Energy Conservation Measures	Saving %
1	EXTERNAL LIGHTING LOAD - 28.5 %	28.5 %
2	Lift & Common Area Lighting - 13 %	13 %
3	PUMP LOAD - 30 %	30 %
4	POWER FOR STP - 3 %	3 %
5	SOLAR WATER HEATER - 31 %	31 %

50.Details of pollution control Systems

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

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

5000000 **Capital cost:** O & M cost: 250000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Attributes Parameter Total Cost per annum (Rs. In	
1	Air	Water for Dust Suppression	2.5
2	EHS	Site Sanitation	2.00
3	Environmental Monitoring	Environmental Monitoring	6.00
4	EHS	Disinfection	1.44
5	EHS	Health Check Up	3.6

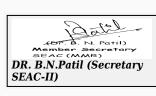
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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fort.

1		vironment	S	STP		56.30		0.53	
2	Management		IO I	WC		9.00		1.8	
3	Water Environment Rain Wa		Rain Water	Harvesting 14.5			1.45		
	Energy Co	onservation	Solar S	System		50		2.5	
5		vironment		caping		18.56		3.7	
6		fety		MP		148.36		9.98	
51.Sto	orage	of che	emicals	(intl	amabl	ekexpl	osive/haz	zardou	s/toxic
Descripti		Status	Locatio		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 applica	able	Not applicable	Not applica		Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
NT T C	A	1	52.A	ny Ot	her Info	rmation			
No Information	n Availab	le	E2.	T CC:	- M				
		Nos of th		Halli	c Manag	jement	- 1		
	Nos. of the junction to the main road & design of confluence:		1 no. of	f 18.00 m w	ide D.P. roa	d			
		Number a basemen	and area of	of NA					
		Number a podia:	per and area of :		NA				
		Total Par	king area: 1801.25						
	Area per car: Area per car: Number of 2- Wheelers as approved by competent authority: Number of 4- Wheelers as approved by competent authority:		car:	Open: 2	25 sq.m; Sti	lt: 30 sq.m			
			Open: 2	25 sq.m; Sti	lt: 30 sq.m				
Parking de			as by nt	60 nos.					
			as by it	131 nos.					
		Public Tr		NA					
		Width of all Internal roads (m):		6.00 m wide					
	->>	CRZ/ RRZ clearance obtain, if any:		NA					
	3	Distance Protected Critically areas / Ed areas/ int boundari	l Areas / Polluted co-sensitive er-State	Sanjay Gandhi National Park					
		Category schedule Notificati	of EIA	Schedule 8(a), Category B					
		Court cas	ses pending	ng _{NA}					
		Other Re Informat		This is an expansion project					







Have you previously submitted Application online on MOEF Website.	Yes
Date of online submission	23-09-2016

Brief information of the project by SEAC

Representative of PP, Mr.Arpit Jain, along with environmental consultant Mr. H.K Desai were present during the meeting. PP informed that the project proposed is an expansion project.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 18460m² & total construction area of the project (FSI+Non FSI) is 39824.19m². Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

PP stated that, the project has already received EC vide letter dated 19th May 2016 for construction area of 38,027.87 Sq.mt. further PP informed that the expansion is proposed from construction area of 38,027.87 sq.mt to 39,824.19 sq.mt. In proposed project 2 Buildings vertically expand by utilizing the available FSI area with increase in 26 nos. of tenements. PP informed that as per the MoEF&CC Notification dated 05.12.2016 regarding Sanjay Gandhi National Park, the project site does not fall within the Eco Sensitive Zone of Sanjay Gandhi National Park (SGNP). However, application for National Board for WildLife (NBWL) clearance was made on 17.12.2014.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) If applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

2) PP to upload the approved plans with duly stamped & singed of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in

3) PP to ensure that STP should be with Dual plumbing system and discharge standard for BOD should be 10 mg/lit and Suspended Solids should be 20 mg/lit.

FINAL RECOMMENDATION

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





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SEAC-II Meeting

SEAC Meeting number: 53rd Meeting Date May 4, 2017

Subject: Environment Clearance for Proposal for amendment in Environment Clearance for LOMA IT Park project

General Information:							
1.Name of Project	LOMA IT Park						
2.Type of institution	Private						
3.Name of Project Proponent	Loma IT Park Developers Pvt. Ltd.						
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.						
5.Type of project	Others						
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. Gen-4/1, T.T.C. Industrial Area, Thane-Belapur road, Ghansoli, Navi Mumbai - 400710.						
9.Taluka	Thane						
10.Village	Ghansoli						
11.Area of the project	MIDC						
	Commencement Certificate						
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: DE /MHP (C) /SPA/IFMS/A24239 of 2016 (Applicable FSI is increased and the proposed changes in BUA are in process)						
	Approved Built-up Area: 218530.24						
13.Note on the initiated work (If applicable)	Work has been initiated as per EC granted dtd. 29.01.2010 and dtd. 30.03.2015						
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA						
15.Total Plot Area (sq. m.)	1,21,405 Sq. m						
16.Deductions	12, 141 Sq. m						
17.Net Plot area	1,09,265 Sq m (10.92 ha)						
40 D	a) FSI area (sq. m.): 3,03,512.5 sq m						
18.Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 3,94566.3 sq m						
,	c) Total BUA area (sq. m.): 6,98,078.8 Sq m						
19.Total ground coverage (m2)	53539 sqm						
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open	49%						

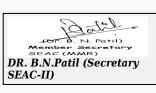
21.Estimated cost of the project

to sky)

15706800000 when of huildings & its

	22. Number of buildings & its configuration								
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)						
1	IT Bldg	G + 2 Floors	14. mts						
2	IT Bldg 01	G + 18 Floors	79 mts						
3	IT Bldg 02	G + 23 Floors	105 mts						
4	IT Bldg 03	G + 23 Floors	105 mts						
5	IT Bldg 04	G + 23 Floors	105 mts						
6	Resi Bldg 01	G + 35 Floors	119 mts						
7	Resi Bldg 02	G + 35 Floors	119 mts						
8	Resi Bldg 03	G + 35 Floors	119 mts						
9	Resi Bldg 04	G + 35 Floors	119 mts						
10	Resi Bldg 05	G + 35 mts	119 mts						
11	Resi Bldg 06	G + 35 Floors	119 mts						
12	Resi Bldg 07	G + 35 mts	119 mts						
22 Numbo	22 Number of Tenements , 2000								

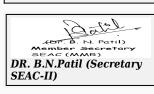
23.Number of tenants and shops Tenements: 2000 Shops: 125



24.Number expected reusers		IT Users: 35	Users: 35,021 Nos; Residential Users: 10,000 Nos; Retail: 250 Total Users: 45,271 Nos.							
25.Tenant per hectare		4180	.80							
26.Height (building(s)	of the									
27.Right of (Width of t from the no station to t proposed b	he road earest fire the	10.50 mts								
28.Turning for easy ac fire tender movement around the excluding t for the plan	cess of from all building the width	Min.9 mts				3				
29.Existing structure (s) if any	IT Bldg Con structure co		per EC dtd.	29.01.2010 is underway.	Site office and Temporary				
30.Details demolition disposal (If applicable)	with f	No previous	s structure to	to be demolish.						
			31.P	roduct	tion Details					
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)				
1	Not app			olicable	Not applicable	Not applicable				
		3	2.Tota		r Requiremen	t				
		Source of		MIDC						
		Fresh water		1435						
		Recycled w Flushing (vater - CMD):	1519						
		Recycled w Gardening	vater - (CMD):	243						
		Swimming make up (pool Cum);	NA						
Dry season:		Total Wate Requireme	er ent (CMD)	3657						
		Fire fighting Undergroutank(CMD	ind water	3.5						
	^	Fire fighting Overhead tank(CMD)	water	0						
	AA.	Excess trea	ated water	178						



				1000							
				MIDC							
		Pocycled water		1435							
		Flushing (CMD):		1519							
		Recycled w Gardening	(CMD):	0							
		Swimming make up (Cum):	NA							
Wet seasor	n:	Total Wate Requirement:		3414							
		Fire fighting Undergroutank(CMD)	nd water	3.5							
		Fire fighting Overhead vank(CMD)	water	0				3			
		Excess trea	ated water	421							
Details of S pool (If any	Swimming y)	Not availab	le					3			
		3	3.Detail	s of Tota	l water c	onsume	d				
Particula rs	Cons	sumption (C	(MD)		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		
						9					
		Level of the Ground water table:		6 mts							
		Size and no of RWH tank(s) and Quantity:		For IT: Two Compartments 100 cmd Rain Water x 4 nos; For Residential buildings: Two Tanks of 100 cmd for Rain Water Tank							
		Location of the RWH tank(s):		Ground Floor							
		Quantity o pits:	f recharge	NA							
0.4 =		Size of recharge pits :		NA							
34.Rain V Harvestir (RWH)	Water ng	Budgetary allocation (Capital cost) :		50 lakhs							
(11111)		Budgetary (O & M cos	allocation st):	2.5 lakhs							
	C			For IT Building (Identical for 4 Towers) Two Compartments of 250,000 Liters For Fire Two Compartments 50,000 Litres Municipal Raw Water Storage Two Compartments 50,000 Litres Domestic Water Storage							
		Details of UGT tanks if any:		For Residential (Identical for 3 Towers) Two Tanks of 225,000 Liters For Fire Two Tanks of 80,000 Litres for Raw Water Two Tanks of 80,000 Litres for Treated Water Two Tanks of 100,000 Litres for Rain Water Tank Two Tanks of 80,000 Litres for Flushing							
0= 0		Natural wa drainage p		Will be mai	ntained						
35.Storm drainage	water	Quantity o water:	f storm	100							
		Size of SW	D:	0.6 m m deep x 0.6 m wide							







	Sewage ge	neration	2667					
STP techno		ology:	MBBR & SBR Technolog	gy				
	Capacity o (CMD):	f STP	3000					
Sewage and Waste water	Location & the STP:	area of	On ground					
	Budgetary (Capital co	allocation ost):	100lakhs					
	Budgetary (O & M cos	allocation st):	location 10 lokks					
		36.Soli	d waste Mana	gement				
Waste generation in			50 kg/day					
Waste generation in the Pre Construction and Construction phase:	Disposal o construction debris:	f the on waste	Will be sold to authorise	ed dealers.	3			
	Dry waste:		6490					
	Wet waste		5639					
Wasta ganaration	Hazardous	waste:	NA					
Waste generation in the operation Phase:	Biomedica applicable		NA					
	STP Sludg sludge):	e (Dry	2.1 kg/day					
	Others if a	ny:	NA					
	Dry waste:		Dry garbage will be further segregated into recyclable and non-recyclable & will be handed over to the authorised recycler.					
	Wet waste	•	The biodegradable waste will be converted to compost using OWC unit					
Mode of Disposal	Hazardous		NA					
of waste:	Biomedical waste (If applicable):		NA					
	STP Sludg sludge):	. ,	Will be dried and composted.					
	Others if a		NA					
	Location(s		Basement					
Area requirement:	Area for the of waste & material:	e storage other	22.96 sq mt					
	Area for m	achinery:	0					
Budgetary allocation	Capital cos	st:	50 lakhs					
(Capital cost and O&M cost):	O & M cos	t:	2.5 lakhs					
		37.Ef	fluent Charecter	estics				
Serial Number Parar	neters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)			
1 Not ap	plicable	Not applicable	Not applicable	Not applicable	Not applicable			
Amount of effluent generation (CMD):		Not applica	ble					
Capacity of the ETP:		Not applica	ble					
Amount of treated effluent recycled :		Not applica	ble					
		Not applica						
Membership of CETP (if require):		Not applica						
Note on ETP technology		Not applica						
Disposal of the ETP sluc	dge	Not applica						
		38.Ha	zardous Waste D	etails				







Serial Number	Descr	iption	C	at	UOM	Exis	ting	Proposed	To	tal	Method of Disposal
1	Not applicable		N appli	ot cable	Not applicable	N appli		Not applicable	N appli	ot cable	Not applicable
			3	39.St	acks em	issio	n D	etails			
Serial Number	Section	& units	F	Fuel Used with Quantity		Stacl	ς No.	Height from ground level (m)	dian	rnal neter n)	Temp. of Exhaust Gases
1	Not ap	plicable	1	Not app	plicable	N appli		Not applicable		ot cable	Not applicable
			4	0.De	tails of F	uel	to b	e used			
Serial Number	Туг	e of Fuel			Existing			Proposed			Total
1	Not	applicable		N	Vot applicabl	е	N	Not applicabl	е		Not applicable
41.Source	f Fuel			Not a	pplicable						
42.Mode of	Transportat	ion of fuel to	site	Not a	pplicable						
		Total RG a	rea :		48,578 sq.n	n					
		No of trees:	s to b	e cut	11						
43.Gree Develop	n Be <u>l</u> t	Number of trees to be planted :		1214							
Develop	ment	List of proposed native trees :		l	Refer Annexure 1						
		Timeline for completion plantation	n of	of Till operation phase							
	44.Nu	mber and	l list	t of t	rees spe	cies	to b	e plante	d in	the g	ground
Serial Number	Name of	the plant	C	ommo	n Name	/	Qua	ntity Characteristics & ecological importance			
1	Refer An	nexure 1	Re	efer An	nexure 1	Re	fer An	nexure 1	Refer Annexure 1		
		ntity of plar		•							
46.Nun	ıber and	list of sl	hrub	s an	d bushes	s spe	cies	to be pla	ante	d in	the podium RG:
Serial Number		Name			C/C Dista	nce				Area	a m2
1	1 NA NA NA						ſA				
47.Energy											
	S	C	<i>y</i>								



	Source of power supply:	MSEDCL
	During Construction Phase: (Demand Load)	3500 KVA
	DG set as Power back-up during construction phase	Will be provided
	During Operation phase (Connected load):	50 MVA
Power requirement:	During Operation phase (Demand load):	45 MVA
	Transformer:	Not available
	DG set as Power back-up during operation phase:	?Number and capacity of the DG sets to be used: 2000 KVA for 3 Towers for residential areas of 2000 KVA X 3 = 6000 KVA capacity; ? 12 .no. of 2000 KVA DG sets for IT areas of capacity of 24000 KVA; ? 8 .no. of 1500 KVA DG sets for IT areas of capacity of 12000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Energy efficient LED lighting for common areas.
 High energy efficiency HVAC for IT area
 Designing ECBC compliant & energy efficient electrical infrastructure
- Using energy efficient power distribution & distributed cabling
- CPCB certified DG sets
- Partial lightening and hot water based on solar energy.

49.Detail	calcula	tions	& %	of	saving:	

Serial Number	Energy Conservation Measures	Saving %
1	Variable Frequency Drive for All Air Handling Units	15 to 20%
2	LED Lights for all Common area compared to Conventional Light Fixtures	40 to 50 %

50.Details of pollution control Systems

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

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

Capital cost:

O & M cost:

30 lakhs 3 lakhs

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Capital and O & M cost	NA	25 lakhs

b) Operation Phase (with Break-up):

	b) Operation 1 hase (with break-up).									
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)						
1	Sewage Treatment Plant	NA	100 Lakhs	10 Lakhs						
2	Solid Waste Management	NA	50 Lakhs	2.5 Lakhs						
3	Rain Water Harvesting	NA	50 Lakhs	2.5 Lakhs						
4	Landscape	NA	100 Lakhs	10 Lakhs						
5	Energy saving features	NA	30 Lakhs	3 Lakhs						







fort.

	3.6											
6	Enviro	coring of onmental meters	N	ſΑ		10 Lakhs		1 Lak	'h			
7		onment oring cell	N	ſΑ		10 Lakhs		1 Lak	h			
8)TAL	N	ſΑ		400 Lakhs		25 Lak	ths			
51.S	torage	of ch	emicals	(inf	amabl	e/expl	osive/haz	zardou	s/toxic			
				Sub	stance	Maximum	-		-			
					Storage							
Descrip	otion	Status	Locatio	n	Capacity in MT	Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation			
Not appl	icable	Not applicable	Not applica	able	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			
	I		52.A	ny Ot	her Info		<u> </u>		7			
No Informat	ion Availal	ole										
			53.	Traffi	c Manag	gement						
		Nos. of t to the m design o confluer	he junction ain road & f ice:	The sit	e is directly	connected	to Thane Belap	ur road.				
		Number basemer	and area of it:	1 with	1 with 2914 sq.m							
		Number podia:	and area of	4 podiu	ıms of 9235	1 sq.m						
		Total Pa	rking area:	92,265	sq.m							
		Area per	car:	13								
		Area per		13								
Parking	details:	Number Wheeler approve compete authorit	s as d by ent	0								
		Number Wheeler approve compete authorit	s as d by ent	4500								
		Public T	ransport:	Bus and Railway facility nearby								
		Width of roads (n	f all Internal 1):	6 mts								
		CRZ/ RR obtain, i	Z clearance f any:	NA								
ı	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries			Thane creek mangroves at 2 km towards west.								
		Category schedule Notifica	y as per e of EIA tion sheet	8 b (B1)							
		Court ca	ses pending	NA								
		Other Ro Informa		Our proposal was granted Environment Clearance dtd. 29.01.2010. Subsequently amendment was obtained on 30.03.2015. As per IT Policy 2015 the applicable FSI has been increased and hence the amendment is proposed for increase in built up area and change in layout.								



Have you previously submitted Application online on MOEF Website.	Yes
Date of online submission	27-09-2016

Brief information of the project by SEAC

PP, Mr.Shrirang Athale, Director & architect with environmental consultant M/s Aditya Environmental Services Pvt.Ltd were present during the meeting.

PP informed that, FSI, Non FSI & Total build up area statement stated in Form 1, 1A is changed due to change in planning. PP also stated that the project has already received EC vide letter dated 29th January 2010 for total construction area of 1.47.427.21 sq.mt and revalidation was obtained on 30th March 2015.

PP presented the ToR for proposed IT Park cum Support Service (Residential) Project. PP informed that proposed FSI is 2.5 & total plot area is 1,21,405 sq. mt with total BUA (FSI +Non FSI) of 2,93,127.00 (FSI- 145764 sq. mt, Non FSI-147363 sq. mt) which is the final total potential of the project.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

- 1) It is noted that details of RG is different. PP to ensure that RG should be 10 % of total plot area should be on Mother Earth. PP to submit the revised details of the same.
- 2) PP to submit compliance of earlier EC and also to submit certification of EC compliance report.
- 3) PP to ensure that BOD of the treated waste water is less than 5 mg/lit and suspended solids is 20 mg/lit
- 4) PP to submit detail plan for reuse/recycling treated waste water especially post construction.
 5) PP to provide Biogas/energy recovery system for Biodegradable waste.
- 6) PP to provide 2 wheeler & cycle parking and submit revised Building layout Plan accordingly
- **7)** PP to provide documents showing project area is not affected by CRZ
- 8) PP to submit Hydrology study report for drainage comprising surrounding area.
 9) PP to submit details in compliance to point no 9.9, 9.10, 9.11, 9.12 of APPENDIX II of EIA Notification, 2006
- 10) PP to submit details in compliance to para 2 (III) point no J to O of OM dated 19th June 2013
- 11) PP to upload the plans, duly stamped & singed, submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in 12) PP to also refer Standard ToR published by MoEF vide order dated 10/04/15 in addition to above

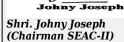
FINAL RECOMMENDATION

Kindly find SEAC decision above.



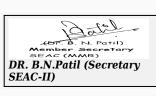






fork

SEAC-II Meeting								
	SEAC M	leeting nu	mber: 53rd Meeting Date May	4. 2017				
Subject: Env	Subject: Environment Clearance for Establishment of IKEA Store							
	General Information:							
	1.Name of Project Establishment of IKEA Store at Thane-Belapur Road, Turbhe, Navi Mumbai, India							
2.Type of insti	J	Private	it of IKEA Store at Thane-Belapar Road, Tu	ibite, ivavi Planibai, inala				
	ject Proponent		rivate Limited					
4.Name of Cor			rivate Limited					
5.Type of proje	ect	Commercial	Establishment (IKEA Store)					
6.New project/ project/moder in existing pro	/expansion in existing nization/diversification jject	Not applicab	le					
whether environments been obtain project	/diversification, onmental clearance ined for existing	Not applicab	le	0				
8.Location of t	the project	Plot no 15, 1	5a, 15b, 15c, TTC MIDC, Turbhe, Thane- Be	elapur Road, Navi Mumbai				
9.Taluka		Panvel						
10.Village		Turbhe and I						
11.Area of the	project	1	rea, Turbhe, Thane Belapur Road, Raigad D	istrict				
12 IOD/IOA/Co	oncession/Plan	MIDC DC Ru						
Approval Num	ber		ncession/Plan Approval Number: Not ap	plicable				
40.37		Approved B	uilt-up Area: 46500					
applicable)	e initiated work (If	Not Applicab	lle					
14.LOI / NOC / Other approva	/ IOD from MHADA/ lls (If applicable)	Approval from	Approval from MIDC					
15.Total Plot A	Area (sq. m.)	96,250.0 sqn	1					
16.Deductions	3	Nil						
17.Net Plot ar	ea	96,250.0 Sqm						
18 Proposed B	Built-up Area (FSI &	a) FSI area (sq. m.): 46,500 Sqm						
Non-FSI)	unt up meu (151 a	b) Non FSI area (sq. m.): 41,600 Sqm						
10 Table	. 1	c) Total BUA area (sq. m.): 88,100 Sqm						
	nd coverage (m2)	31,100 Sqm						
	verage Percentage (%) tage of plot not open	approximate	32%					
21.Estimated	cost of the project	1416000000	0					
	22.Num	ber of l	buildings & its config	Juration				
Serial number	Building Name &	number	Number of floors	Height of the building (Mtrs)				
1	IKEA Store; 1 nu	mber	1 Basement + 1 Stilt + Store Level 1 & Store Level 2	16.9 m				
23.Number of tenants and		ıble						
	24.Number of expected residents / 10,358 (including staff and visitors)							
25.Tenant de per hectare	25.Tenant density per hectare Not Applicable							
26.Height of building(s)	26.Height of the							
27.Right of v (Width of the from the nea station to th proposed bu	e road arest fire 12 M (9m r	ninimum pro	vided)					

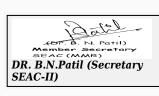








novement from all recount the building schuding the width of the plantal ton the plantal ton of the plantal ton the plantal ton the plantal ton the plantal ton of the plantal ton of the plantal ton the plantal ton of the plantal ton of the plantal ton the plantal ton of the plan	20 T	r vo di					7			
Demolition debris: 5000 m3; Demolition scrap: 100 MT; Wooden scrap: 4 MT; Demolition is done after obtaining necessary permission from MDC	for easy ac fire tender movement around the excluding	from all building the width	12 M (9m m	ninimum pro	vided)					
Demolition with lisposal (If applicable) Demolition necessary permission from MIDC	29.Existing structure (y (s) if any		s, parking sheds, storage	e areas and administrative					
Serial Number Product Existing (MT/M) Proposed (MT/M) Total (MT/M)	demolition	with f	Demolition after obtain	debris: 5000 ing necessar	m3; Demoli ry permisison	tion scrap: 100 MT; Woo n from MIDC	den scrap: 4 MT; Demolition is done			
Number Product Existing (wit/hi) Proposed (wit/hi) Itolai (wit/hi) 1 Not applicable Not applicable Not applicable 32.Total Water Requirement Source of water MIDC and STP treated water Fresh water (CMD): 296 m3/day			<u> </u>	31.P	roduct	ion Details				
32.Total Water Requirement Source of water		Pro	duct				Total (MT/M)			
Source of water Fresh water (CMD): Presh water (CMD): Recycled water-Flushing (CMD): Recycled water-Gardening (CMD): Swimming pool make up (Cum): Fire fighting - Underground water tank(CMD): Excess treated water 10 m3 Fresh water (CMD): Fire fighting - Underground water tank(CMD): Excess treated water 135 m3/day Recycled water-Flushing (CMD): Fresh water (CMD): Fresh water (CMD): Recycled water-Flushing (CMD): Recycled water-Gardening (CMD):	1	Not app	plicable	Not app	plicable	Not applicable	Not applicable			
Fresh water (CMD): Recycled water - Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool Requirement (CMD): Fire fighting - Overhead water tank(CMD): Excess treated water Fresh water (CMD): Recycled water - Flushing (CMD): Recycled water - Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Not Applicable Details of Swimming Not Applicable 33. Details of Total water consumed Particula Loss (CMD)			3	2.Tota	l Wate	r Requiremen	t			
Recycled water - Gardening (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Total Water Requirement (CMD) 510 m3/day Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Source of water Fresh water (CMD): Fresh water (CMD): Recycled water - Jo.m3 day Source of water MDC, STP treated water and rainwater harvesting Fresh water (CMD): Recycled water - Fresh water (CMD): Recycled water - Gardening (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Total Water Requirement (CMD) Fire fighting - Overhead water and rainwater harvesting Freshing (CMD): Fire fighting - Overhead water and rainwater harvesting Freshing (CMD): Swimming pool (MD): Fire fighting - Overhead water and rainwater harvesting Freshing (CMD): Fire fighting - Overhead water and rainwater harvesting Freshing (CMD): Fire fighting - Overhead water and rainwater harvesting Freshing (CMD): Fire fighting - Overhead water and rainwater and rainwater harvesting Freshing (CMD): Swimming pool (MD): Swimming over and water and rainwater harvesting Freshing (CMD): Total Water Requirement (CMD) Swimming over and water and rainwater harvesting Freshing (CMD): Total Water Requirement (CMD) Swimming over and water and rainwater harvesting Freshing (CMD): Total Water Requirement (CMD): Swimming over and water and rainwater harvesting Freshing (CMD): Swimming over and water and rainwater and rainwater harvesting Freshing (CMD): Total Water Requirement (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD): Total Water Requirement (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD): Swimming over and water and rainwater and rainwater harvesting (CMD):			Source of	water	MIDC and S	STP treated water				
Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Total Water Requirement (CMD): : Fire fighting - Underground water tank(CMD): Excess treated water Agricular (CMD): Recycled water - Flushing (CMD): Recycled water - Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Total Water Requirement (CMD) Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming pool (If any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)			Fresh water	er (CMD):	296 m3/day					
Gardening (CMD): Swimming pool make up (Cum): Total Water Requirement (CMD): Fire fighting - Underground water tank(CMD): Excess treated water 135 m3/day Recycled water - Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Wet season: Gardening (CMD): Fire fighting - Underground water 135 m3/day Recycled water - Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Not Applicable Wet season: Fire fighting - Underground water tank(CMD): Fire fighting - Underground water tank(CMD): Excess treated water 135 m3/day Fire fighting - Underground water tank(CMD): Excess treated water 1000 m3 tank(CMD): Excess treated water 135 m3/day Not Applicable Swimming pool make up (Cum): Fire fighting - Underground water tank(CMD): Excess treated water 135 m3/day Not Applicable Salpetails of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)			Recycled w Flushing (vater - CMD):	79 m3/day					
make up (Cum): Total Water Requirement (CMD): Fire fighting - Underground water tank(CMD): Excess treated water 10 m3 1000 m3 1			Recycled w Gardening	vater - (CMD):	0					
Requirement (CMD): Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water Source of water Fresh water (CMD): Presh water (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Not Applicable Particula Requirement (CMD): Fire fighting - Overhead water tank(CMD): Fire fighting - Overhead water tank(CMD): Swimming pool make up (Cum): Fire fighting - Overhead water tank(CMD): Excess treated water tank(CMD): Excess treated water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 10 m3 1000 m3			Swimming make up (pool Cum):	Not Applicable					
Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Source of water MIDC, STP treated water and rainwater harvesting Fresh water (CMD): 207 m3/day Recycled water - Flushing (CMD): 18 m3/day Recycled water - Gardening (CMD): 18 m3/day Swimming pool make up (Cum): Not Applicable Wet season: Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming pool (If any) Not Applicable Swimming of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD) Effluent (CMD) Effluent (CMD) Fiffuent (CMD) Effluent (CMD) Fifuent (CMD) Effluent (CMD) Fifuent (CMD) Effluent (CMD) Fifuent (CMD) Effluent (CMD) Fifuent (CMD)	Dry season	1:			510 m3/day					
Overhead water tank(CMD): Excess treated water 135 m3/day Source of water MIDC, STP treated water and rainwater harvesting Fresh water (CMD): 207 m3/day Recycled water - Flushing (CMD): 18 m3/day Recycled water - Gardening (CMD): 18 m3/day Swimming pool make up (Cum): Not Applicable Total Water Requirement (CMD) 439 m3/day Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming pool (If any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD) Fiffluent (CMD) Fi			Undergrou	ind water	1000 m3					
Source of water MIDC, STP treated water and rainwater harvesting Fresh water (CMD): 207 m3/day Recycled water - Flushing (CMD): 18 m3/day Recycled water - Gardening (CMD): 18 m3/day Swimming pool make up (Cum): Not Applicable Total Water Requirement (CMD) 439 m3/day Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)			Overhead v	water	10.m3					
Fresh water (CMD): 207 m3/day Recycled water - Flushing (CMD): 79 m3/day Recycled water - Gardening (CMD): 18 m3/day Swimming pool make up (Cum): Not Applicable Total Water Requirement (CMD) : 439 m3/day Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming pool (If any) Total Water Requirement (CMD)			Excess trea	ated water	135 m3/day					
Recycled water - Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Total Water Requirement (CMD) : Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 10 m3 Total Water Requirement (CMD) Swimming pool Not Applicable Total Water Total water Consumed Particula Consumption (CMD) Recycled water - 79 m3/day Not Applicable Total Water Consumet Fiffluent (CMD) Fiffluent (CMD)			Source of	water	MIDC, STP	treated water and rainw	ater harvesting			
Flushing (CMD): Recycled water - Gardening (CMD): Swimming pool make up (Cum): Not Applicable Total Water Requirement (CMD) : Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming pool (Iff any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Figure 18 m3/day 10 m3			Fresh water	er (CMD):	207 m3/day					
Gardening (CMD): Swimming pool make up (Cum): Not Applicable Total Water Requirement (CMD) : Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 10 m3 10 m3 10 m3 Details of Swimming Oool (If any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Fighting - Overhead water 10 m3 10 m					79 m3/day					
Met season: Total Water Requirement (CMD) : Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 1000 m3 10 m3 tank(CMD): Excess treated water 135 m3/day Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)			Recycled w Gardening	vater - (CMD):	18 m3/day					
Requirement (CMD) Fire fighting - Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 10 m3 10 m3 Particula Solution of Total water consumed Loss (CMD) Figure fighting - Overhead water tank(CMD): 10 m3 10			Swimming make up (pool Cum):	Not Applicable					
Underground water tank(CMD): Fire fighting - Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming ood (If any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)	Wet season	n:	Total Wate Requireme	er ent (CMD)	439 m3/day					
Overhead water tank(CMD): Excess treated water 135 m3/day Details of Swimming oool (If any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)		5 ^y	Undergrou	ind water	1000 m3					
Details of Swimming oool (If any) Not Applicable 33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)	0		Overhead v	water	10 m3					
33.Details of Total water consumed Particula Consumption (CMD) Loss (CMD) Effluent (CMD)			Excess trea	ated water	135 m3/day					
Particula Consumption (CMD) Loss (CMD) Effluent (CMD)	Details of S pool (If an	Swimming y)								
Consumption (CMD) Loss (CMD) Effilient (CMD)			3	3.Detail	s of Tota	l water 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	0	254	254	0	16	16	0	238	238		
Cooling tower & thermopa ck	0	167	167	0	167	167	0	0	0		
Gardening	0	89	89	0	89	89	0	0	0		
		Level of the (Ground	Approximate	ely 0.7 M belov	w Road Le	vel				
		water table: Size and no of tank(s) and Quantity:	of RWH		ım and Quanti		VOI				
		Location of the tank(s):	he RWH	Near front g	rate			3			
34.Rain V Harvestir		Quantity of r pits:	echarge	0			0				
(RWH)	-9	Size of recha	rge pits	Not Applical	ble			,			
		Budgetary al (Capital cost	location) :	INR 20 Lakh	1S		0				
		Budgetary al (O & M cost)	location :	INR 3 Lakhs	3						
		Details of UG if any:	T tanks	Raw water t Treated wat	anks: 2 nos.; s er tanks:: 2 no	ize :130 C s., 70 Cu	um each m each				
0. 0.	Natural water drainage pattern:			Existing natural drainage pattern will be maintained							
35.Storm drainage	water	Quantity of s water:	torm	Designed for	r 6740 Cu.M/h						
		Size of SWD:		800 mm Dia	meter						
		Sewage gene in KLD:	ration	238 KLD							
		STP technolog	55	Aerobic Mov	ring Bed Bio R	eactor sys	tem				
Sewage	and	Capacity of S (CMD):		1 no.; 240 K	LD capacity						
Sewage Waste w	ater	Location & at the STP:	rea of	Location: Pa	rking level 1;	Area: 300	SqM				
		Budgetary al (Capital cost		INR 50 Lakh	1S						
		Budgetary al (O & M cost)	•	INR 15 Lakh							
		36	Solie Solie	<u>d waste</u>	Manage	emen	t				
Wasta sa-	oration in	Waste genera	ation:	750 tonnes o	of construction	debris ar	nd 155 kg/day	of municipal	waste		
Waste generate Pre Coand Construction phase:	nstruction	Disposal of the construction debris:		vendors. About the p	out 90% of the	debris wi	ll used to lev vill be dispos	es will be sold of el low lying are ed to designate	eas		
		Dry waste:		750 kg/day							
		Wet waste:		1750 kg/day							
		Hazardous w	aste:	250 kg/mont	th						
Waste ge in the operation that the operation is a second contract.	neration eration	Biomedical wapplicable):	vaste (If	Not Applical	ble						
ı nase:		STP Sludge (sludge):	Dry	500 kg/day							
		Others if any	:	E-waste: Aptonne/month		per month	; Packaging v	waste: approx.	3-4		
3	datel							Josh			

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

SEAC Meeting No: 53rd Meeting Date: May 4, 2017

J. ... Johny Joseph Page 51 | Shri. Johny Joseph (Chairman SEAC-II)

		Dry waste:		Scrap deale	ŗr						
		Wet waste			Bio gas plant						
		Hazardous		0 1		dors f	for disposal a	t TSDF	as pe	er MPCB approval	
Mode of Disposal of waste:	Disposal	Biomedica applicable		,	Not Applicable						
		STP Sludg sludge):	e (Dry	Pry Filter press for preparing compost for onsite usage							
		Others if a	ny:	E-waste: Au	ıthoris	ed rec	ycler; Packa	ging was	ste: s	scrap dealer	
		Location(s):	At ground floor and store level 1							
Area requirem	ent:	Area for the of waste & material:	e storage other	28.6 sqm and materials	28.6 sqm area for waste storage and warehouse of 6253.3 sqm for materials						
		Area for m	achinery:	inery: 20 Sq.M							
Budgetary (Capital co	allocation	Capital cos	st:	INR 70 Lak	hs					0-	
O&M cost)		O & M cos	t:	INR 10 Lak	hs					()	
			37.E	ffluent C	hare	cter	estics				
Serial Number	Paran	neters	Unit	Inlet E Charect			Outlet 1 Charect			Effluent discharge standards (MPCB)	
1	р	Н	-	6.5	-8.5		6.5	-8.5	J	6.5-9.0	
2	Total Su Sol	spended lids	mg/l	250	-450			10		<50	
3		OD	mg/l		-300			10		<10	
4		OD	mg/l	500	-600		<	50		<100	
(CMD):	effluent gene	eration	Not applic								
Capacity of			Not applie	able							
recycled:	reated efflue		Not applie								
	water send to		Not applic		7.7						
	p of CETP (if		Not applic	\rightarrow							
	P technology		Not applie								
Disposal of	the ETP sluc	ige	Not applie								
Serial				azardous Waste Details							
Number	Descr	iption	Cat	UOM	Exis	ting	Proposed	Tota	ıl	Method of Disposal	
1		te Oil	5.2	M3/annum	0)	3 to 4	3 to 4	4	Through approved recyclers	
2		ontaining e of oil	33.2	MT/annum	0		1	1		Through authorized vendors to TSDF	
	7		39.5	tacks em	issio	n Do					
Serial Number	Section	& units		sed with antity	Stack	No.	Height from ground level (m)	Intern diame (m)	ter	Temp. of Exhaust Gases	
1	DG Set (1	.250 kVA)	HSD; 251	.8 litre/hour	1		30 m	0.7 n	n	415oC	
2	DG Set (1	.250 kVA)	HSD; 251	.8 litre/hour	2		30 m	0.7 n	n	415oC	
3		.010 kVA)		88 litre/hour	3		30 m	0.7 n		415oC	
				88 litre/hour	4		30 m	0.7 n	n	415oC	
			40.D	etails of F	uel	to be	e used				
Serial Number	Тур	e of Fuel		Existing			Proposed			Total	
1		HSD		0			30 KL			30 KL	
41.Source				al vendors							
42.Mode of	42.Mode of Transportation of fuel to site By Fuel Tanker										







	Total RG area:	RG on the ground (sq. m): 9,650 sqm; RG area other than greenbelt (playground, etc.): 13,665 sqm
	No of trees to be cut :	0
43.Green Belt Development	Number of trees to be planted :	960
Boveropment	List of proposed native trees :	Neem, Gulmohar, Ajaan, Fern tree, Champa, Karanj etc.
	Timeline for completion of plantation :	3 months post construction of IKEA store

	44.Number and	l list of trees spe	cies to be plante	d in the ground
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	61	Evergreen tree; Buffer planting- Visual and Acoustic; Soil Amelioration
2	Alstonia scholaris	Satvin, Scholar tree	165	Evergreen tree; Feature planting
3	Bahunia purpurea	Rakta kanchan, Butterfly Tree	35	Flowering tree
4	Bahunia racemose	Apta, Bidi Leaf Tree	26	Deciduous tree; Soil Amelioration
5	Cassia fistula	Bahava , Amaltas	48	Flowering tree; Soil amelioration
6	Cordia sebestena	Lal Lasora	61	Flowering tree; Avenue planting
7	Delonix regia	Gulmohar	09	Flowering tree; Feature planting
8	Ehretla laevis	Ajaan	37	Deciduous tree; Feature planting
9	Filicium decipiens	Fern Tree	08	Evergreen tree; Feature planting
10	Michelia champa	Champa	62	Flowering tree; Avenue planting
11	Millingtonia hortensis	Kaval nimb, Neem Chameli	08	Flowering tree; Feature planting
12	Mesua ferrea	Nag Champa	24	Evergreen tree; Feature planting
13	Pongamia glabra	Karanj	25	Evergreen tree; Buffer planting - Visual and Acoustic; Soil Amelioration
14	Putranjiva roxburghii	Putranjiva	22	Evergreen Tree; Buffer planting – Visual and Acoustic
15	Peltophorum ferrugineum	Peela gulmohar	19	Flowering tree; Buffer planting- Visual and Acoustic
16	Plumeria alba	Champa , Chafa	188	Soil Amelioration
17	Saraca indica	Sita Ashok	32	Evergreen tree; Buffer planting- Visual and Acoustic; Soil Amelioration
18	Tabebuia argentia	Yellow trumpet tree	66	Flowering tree
19	Lagerstroemia Flos- Reginae	Pride of India	64	Flowering tree
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	C/C Distance	Area m2
1	Not applicable	Not Applicable	Not Applicable
		47.Energy	





	Source of power supply:	Maharashtra State Electricity Distribution Company Ltd.
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	1 DG set of 125 kVA capacity
	During Operation phase (Connected load):	5.9 MW
Power requirement:	During Operation phase (Demand load):	4.0 MW
	Transformer:	2 no's of 22/0.433 KV, 2000 KVA Dry Type Transformers will be provided
	DG set as Power back-up during operation phase:	4 DG sets (2 x 1250 KVA and 2 x 1010 KVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

- Insulated roof having U value 0.043 Btu/hr.sq feet *F
 Insulated external wall having U value 0.053 Btu/hr.sq feet *F.
 Better thermal properties of Glass SC 0.29
- Efficient water cooled VSD drive centrifugal chiller system with COP 6.4at ARI
- VSD on AHU , Secondary Pumping and Cooling Towers
 Heat recovery wheel to reduce the fresh air cooling load
- Optimize design of internal lighting layout to minimize internal lighting load with lighting controls Approx 1 MW Solar PV system

49. Detail calculations & % of saving: Serial **Energy Conservation Measures** Saving % Number Energy Conservation measures 37.6% 50.Details of pollution control Systems Source **Existing pollution control system** Proposed to be installed DG Set Not applicable Stack height of 30 m; Acoustic Enclosure **Budgetary allocation** Capital cost: 75 Lakhs (Capital cost and O & M cost: 5 Lakhs O&M cost):

51.Environmental

	a) Constitution phase (with break-up).										
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)								
1	Provision of adequate drainage and bunds/ diversion dykes, water sprinkling etc. to prevent soil/ raw material escape	-	20								
2	Development of vegetation and landscaping	-	80								
3	Toilets for workers and sewage disposal facility	-	20								
4	Air and Noise Quality monitoring	-	1.5								
5	Water Quality monitoring	-	1.5								



SEAC Meeting No: 53rd Meeting Date: May 4, 2017



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

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6	expe constru	ellaneous nses for ction phase llementation		-				5			
7	Waste M	lanagement		-		5					
8	Campsite	cleanliness		-				2			
9	Health	and Safety		-				5			
			b) Operat	ion Pl	hase (w	ith Brea	k-up):			
Serial Number	Com	ponent	Descr	iption	Сај	Capital cost Rs. In Lacs			tional and ost (Rs. in	Maintenance Lacs/yr)	
1	Was	tewater	STP of 2	240 KLD		50			15		
2	Was	tewater	Wastewat monit	ter quali toring	ty	0			2		
3	Rainwate	r harvesting	Rain water	harvest nks	ing	20			3		
4	V	/aste	Waste Ma	nageme	nt	70			10,	<u> </u>	
5	Air	Quality	Ambient A monit	Air quali toring	ty	0			3		
6	Air	Quality	Stack me	onitoring	g	0		1			
7	Ambie	ent Noise		ent Noise nitoring 0			1				
8	Gre	en belt	lands	Green belt and landscape 0 10							
9	I	EHS	EHS trainir evalu	ng and E ıation	MP	10			10		
10		e keeping	Facility Ma for House	e keepin	g	5			25		
51.S	torage	e of ch	emicals	(infl sub	amab stanc	le/expl es)	osiv	/e/haz	zardou	s/toxic	
Descri	Description Status Locatio				Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	/ M	umption onth in MT	Source of Supply	Means of transportation	
HSD Proposed for storage In North East on Ground I				30 KL	30 KL	10	09 KL	Local Vendor	Fuel Tankers		
	52.Any Other Information										
No Informa	tion Availa	ble	· Y								
			53.	Traffi	c Mana	gement					
		Nos. of the madesign of confluen	ne junction nin road & ce:	Two jui	nction on T	Thane- Belap	ur roa	d			

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

SEAC Meeting No: 53rd Meeting Date: May 4, 2017



	Number and area of basement:	1 Basement; Area: 31,800 sqm				
	Number and area of podia:	0				
	Total Parking area:	62,640 sqm				
	Area per car:	12.5 sqm				
	Area per car:	12.5 sqm				
Parking details:	Number of 2- Wheelers as approved by competent authority:	176 2-wheeler parking provided				
	Number of 4- Wheelers as approved by competent authority:	2356 4- wheelers parking provided				
	Public Transport:	90 sqm				
	Width of all Internal roads (m):	6 M				
	CRZ/ RRZ clearance obtain, if any:	Not Applicable				
		Not Applicable Sanjay Gandhi National Park: ~ 16 km aerial distance;				
	obtain, if any: Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State					
	obtain, if any: Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries Category as per schedule of EIA	Sanjay Gandhi National Park: ~ 16 km aerial distance;				
	obtain, if any: Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries Category as per schedule of EIA Notification sheet Court cases pending	Sanjay Gandhi National Park: ~ 16 km aerial distance;				
	obtain, if any: 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	Sanjay Gandhi National Park: ~ 16 km aerial distance; 8 a Not Applicable				
	obtain, if any: 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 Have you previously submitted Application online	Sanjay Gandhi National Park: ~ 16 km aerial distance; 8 a Not Applicable Not Applicable				

Brief information of the project by SEAC

 $PP, Mr. Sunil \ Verma, Mr. Vivek \ Upadhayay \& \ Architect \ Mr. Rahul \ Dubey \ were \ present \ during \ the \ meeting \ along \ with \ environmental \ consultant \ Ms \ Neetu \ Nigam, \ M/s \ ERM \ India \ Pvt. Ltd.$

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 96250 sqm & total construction area (FSI+Non FSI) of the project is 88,100m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

PP informed that, MIDC transferred the land lease from Rallis to IKEA and also land use of the site was changed from Industrial to commercial in May 2016. PP also stated that, the plans have not yet been approved by the planning authority i.e MIDC.

During discussion following points emerged:



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

Specific Conditions by SEAC:

- 1) PP to submit acknowledgement receipt for submission of duly signed & stamped plans & also upload on website. 2) Committee noted that Parking, DG sets & also mechanical room is proposed in the basement. PP to provide air
- cleaning system in basement along with air quality monitoring sensors along with mechanical ventilation.

 3) It is observed that solid waste dump site is nearby to project site, PP to provide and upload the details of site remediation measures undertaken and also provide detail action plan (with specific time frame) of treatment for contaminated soil & ground water.
- 4) In order to understand the extent of groundwater contamination and take effective remediation measures PP may examine the extent of groundwater contamination by undertaking a scientific study including appropriate surrounding
- 5) PP to relocate the STP which should be fully open to sky.
 6) PP to ensure BoD of treated waste water should be 5 mg/lit & suspended solids is 20 mg/lit. Also to ensure that it is zero discharge project and treated waste water should be entirely used in site area only. Submit details as explained in the meeting.
- 7) PP to ensure that suitable media is to be used in STP since hot water from HVAC is going to STP. Submit details.
- 8) PP to ensure no Plastic & Non-biodegradable waste should go out of project site. PP to ensure Plastic & Non-biodegradable waste should be reused and recycle in project site.

 9) PP to submit details in compliance to point no 9.9 of APPENDIX II of EIA Notification, 2006

 10) PP to re-estimate flood risk assessment considering rainfall in project area as well as surrounding catchments.

- 11) PP to ensure that Tree density will be one tree per 80 sq.m
- 12) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in 13) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SL (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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

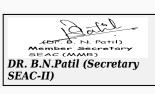


SEAC-II Meeting

SEAC Meeting number: 53rd Meeting Date May 4, 2017

Subject: Environment Clearance for application for Expansion of "Proposed Redevelopment Project" at Plot bearing CS No. 720 (pt) of Mazgaon Division at K L Borkar Marg, E Ward known as Khoja Chawl, Ghodapdeo, Mumbai.

No. 720 (pt) of Mazgao	n Division at	K L Borkar N	Marg, E Ward known as Khoja Ch	lawl, Ghodapdeo, Mumbai.			
General 1	Informati	on:						
1.Name of P	roject		Expansion of	"Proposed Redevelopment Project"				
2.Type of in	stitution		Private					
3.Name of P	roject Propo	nent	R. K. Builders Mumbai - 400	ers & Developers, Shrushti. I 0 I, A• wing, GD Ambekar Marg, Parel, Bhoiwada, 400 012				
4.Name of C	onsultant		Western Edg	analysts & Engineers Pvt. Ltd. Mr. H. e -II Western Express Highway, Boriv nail.com,; info@eaepl.com	K Desai B-1003,Enviro House, 10th floor, ali (E), Mumbai- 400 066			
5.Type of pr	oject		SRA project 3	33(10)				
6.New proje project/mod in existing p	ct/expansion ernization/di oroject	in existing iversification	expansion		00			
whether env	on/diversifica ironmental (tained for ex	clearance		le in existing project	000			
8.Location o	of the project	,	Plot bearing Chawl, Ghoda	CS No. 720 (pt) of Mazgaon Division a apdeo, Mumbai.	at K L Borkar Marg, E Ward known as Khoja			
9.Taluka			Mazgaon					
10.Village			Ghodapdeo					
11.Area of t	he project		MCGM (Mun	icipal Corporation of Greater Mumba				
40.105.70		DI.	IOD					
12.10D/10A/ Approval Nu	Concession/I Imber	Plan	IOD/IOA/Concession/Plan Approval Number: E.B/CE/EE/2031/E/A/BS/A date 04.06.2008					
PP			Approved Built-up Area: 28840					
13.Note on tapplicable)	the initiated	work (If	Construction done as per EC received dated 18th June 2012					
	C / IOD from vals (If appli		loi recieved date 10.02.2017					
15.Total Plot Area (sq. m.) 4838.28								
16.Deductio	ns		307.43					
17.Net Plot	area		4530.85					
10 Droposod	l Built-up Ar	oo (ESI S-	a) FSI area (sq. m.): 17599.04					
Non-FSI)	Dunt-up An	ea (FSI &	b) Non FSI area (sq. m.): 11237.15					
			c) Total BUA area (sq. m.): 28836.19					
	und coverag		1307.78					
20.Ground-c (Note: Perce to sky)	coverage Per entage of plo	centage (%) t not open	16.30% Sale 10.19% Rehab 0.54% MSQ					
3 ,	d cost of the	project	650000000					
		1 0	ber of l	ouildings & its cor	ofiguration			
Serial number		ng Name &		Number of floors	Height of the building (Mtrs)			
1		Rehab		S+14 floors	44.95 m			
2		MSQ		G+7 floors	23.79 m			
3				G+4 podiums + 18 floors				
3		Sale		G+4 podiums + 18 floors	69.95 m			
23.Number of tenants and shops Rehab = 15 Rehab Shop Sale = 201 Sale Shop = MSQ= 32 m		p = 03 no's no's = 05 no's						
24.Numbe expected r users	timber of ted residents / Rehab = 795 no's Rehab Shop = 9 no's Sale = 1005 no's Sale Shop = 15 no's MSQ= 160 no							
25.Tenant per hectar		810 tenants	s/hector					



26.Height of the building(s)





27.Right of (Width of the from the nation to the proposed has been active to the proposed has been active to the proposed has been active to the plant of the plant around the excluding the plant of the plant of the plant active (30.Details demolition)	the road earest fire the building(s) g radius cess of from all e building the width ntation g s) if any	7.5 m Rehab S+14	1 floors , MS		rg & 9.14 M. Wide Umesh				
disposal (Ii applicable)	f	Not applica	D16			0			
			31.P	roduct	ion Details				
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)			
1	Not ap	plicable	Not app		Not applicable	Not applicable			
					r Requirement				
		Source of		· ·	eated water from STP				
		Fresh water Recycled water Flushing (vater -	177 KLD 89 KLD	0				
		Recycled w Gardening	vater -	5 KLD					
		Swimming make up (Cum):	00					
Dry season	ı :	Total Wate Requirement:		271 KLD					
		Fire fighting Undergrout tank(CMD)	nd water	200 KL					
		Fire fighting Overhead vank(CMD)	water	60 KL					
		Excess trea	ated water	127					
		Source of		MCGM/RWH/ treated water from STP					
		Fresh water	, ,	177 KLD					
		Recycled w Flushing (CMD):	89 KLD					
		Recycled w Gardening	(CMD):	00					
***	Gy	Swimming make up (Cum):	00					
Wet seasor	n:	Total Wate Requirement:		266 KLD					
		Fire fighting Undergroutank(CMD)	ind water):	200 KL					
		Fire fighting Overhead v tank(CMD)	water):	60 KL					
		Excess trea	ated water	132					
Details of S pool (If any	Swimming y)	not applical							
		3	3.Detail	s of Tota	l water consumed				



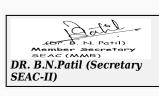






Particula rs	Cons	sumption (C	MD)		Loss (CMD)		Ef	fluent (CM	D)		
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
		Level of th		2 m - 2.5 m bgl							
		Size and no tank(s) and Quantity:	0 01 11111	Rehab & M	SQ - 28 KL S	ale - 62 KL					
		Location o tank(s):	f the RWH	Ground							
		Quantity o pits:	f recharge	not applical	ble			3			
34.Rain W Harvestin		Size of rec	<u> </u>	not applical	ble						
(RWH)	.y	Budgetary (Capital co Budgetary	st):	Rs. 4 lakhs							
		(O & M cos	st):	Rs. 0.2 lakh							
		Details of if any:	UGT tanks	Rehab & MSQ- 95 KL Sale - 95 KL Rehab & MSQ - 55 KL Sale - 50 KL Rehab & MSQ - 100 KL Sale - 1 00 KL Sale - 1 00 KL Rehab & MSQ - 28 KL Sale - 62 KL Ground							
				1							
		Natural wa drainage p		North to south							
35.Storm drainage	water	Quantity o water:	f storm	0.069 cum/sec							
		Size of SW	D:	0,45m X 0.30m							
			C								
		Sewage ge in KLD:	neration	Rehab & MSQ - 120 KL Sale - 126 KL							
		STP techn		MBBR							
Sewage a	and .	Capacity of (CMD):		Rehab & MSQ - 140 KL Sale - 140 KL							
Sewage a Waste wa	ater	Location & the STP:		ground							
		Budgetary (Capital co	st):	Rs.13 lakhs							
	7	Budgetary allocation (O & M cost):		Rs. 2lakhs/annum							
		3	36.Soli	d waste	Mana	gemen	t				
Waste gene	ration in	Waste gen			nt bags , 70 c			scap metal			
the Pre Cor and Constr phase:	struction	Disposal of construction debris:		Empty bags handed ove	to be hander to recycler.	ed over to red . 100 % scra	cycler, paint p metal to be	cans to be T e sold for rec	o be cycling		
		Dry waste:		Rehab & MSQ Quantity (Kg/day)= 193, Sale Quantity (Kg/day)= 204							
		Wet waste:		Rehab & M	SQ Quantity	(Kg/day) = 2	88, Sale Qua	ntity (Kg/da	y)= 303		
Wasta ===	nonation	Hazardous	waste:	not applical	ble						
Waste ger in the ope Phase:	eration	Biomedica applicable	l waste (If):	not applical	ble						
		STP Sludge sludge):	e (Dry	15 kg/day							
Others if any: not applicable											
DR. B.N.Pati SEAC-II)		SEA	C Meeting N	No: 53rd Meeting Date: May 4, 2017 Page 60 (Chairman SEAC-II)							

						_	10 1	2 11		
		Dry waste:		To be hand over to Local Recyclers for recycling					9	
		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 of waste:		Hazardous waste:		Not Applica	able					
		Biomedica applicable		Not Applica	able					
		STP Sludg sludge):	e (Dry	To be used	as a m	anure				
		Others if a	ny:	Not Applica	able					
		Location(s):	ground						
Area requirem	ent:	Area for the of waste & material:		33 sqm						
		Area for m	achinery:	13 sqm					Oh	
Budgetary	allocation	Capital cos	st:	Rs.10 lakhs	3				03	
(Capital co O&M cost)		O & M cos	t:	Rs.2 lakhs/a	annum					
37.Effluent Charecterestics										
Serial Number	Paran	neters	Unit	Inlet E Charect	ffluer	ıt	Outlet 1	Effluent erestics	Effluent discharge standards (MPCB)	
1	Not app	plicable	Not applicable	Not ap	plicabl	е	Not ap	plicable	Not applicable	
Amount of e (CMD):	effluent gene	eration	Not applica	able			70			
Capacity of	the ETP:		Not applica	able						
Amount of t recycled:	reated efflue	ent	Not applica	ıble						
Amount of v	vater send to	the CETP:	Not applica	able						
Membership	of CETP (if	require):	Not applica	able						
Note on ETI	P technology	to be used	Not applica	able						
Disposal of	the ETP sluc	lge	Not applica	$\Delta \Delta \Delta \Delta$						
			38.Ha	zardous	Was	te D	etails		_	
Serial Number	Descr	iption	Cat	UOM	Exis		Proposed	Total	Method of Disposal	
1	Not app	plicable	Not applicable	Not applicable	N appli	cable	Not applicable	Not applicable	Not applicable	
		7	39.St	tacks em	issio	n De	etails			
Serial Number	Section	& units		sed with ntity	Stacl	ς No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not app	olicable	Not ap	plicable	N appli		Not applicable	Not applicable	Not applicable	
	CV		40.De	tails of F	uel	to be	e used			
Serial Number	Тур	e of Fuel		Existing			Proposed		Total	
1 Not applicable Not applicable Not applicable Not applicable							Not applicable			
41.Source o	applicable									
42.Mode of	Transportat	ion of fuel to	site Not a	applicable						





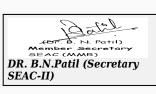
	Total RG area:	RG area on Ground - 995.19 sq.mt. (8%) RG area on Podium- 325.40 sq.mtr			
	No of trees to be cut :	-			
43.Green Belt Development	Number of trees to be planted :	35 nos			
Development	List of proposed native trees :	same as below			
	Timeline for completion of plantation :	by the time of construction			

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	ashoka	7	shady
2	Carissa carandas	karanda	7	ornamental
3	Alstonia scholaris	saptarani	7	shady
4	lagestonia	Cutch Tree	7	ornamental
5	pathodium		7	ornamental
4.5	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	Acacia Arabica	2											
2	Mimusops Elengi	2											
3	Erythtina Indica	2											
4	Lagerstroemia Speciosa	2											
5	Tbebuia Aurea	2											
6	Pterocarpus Santalinus	2											
7	Spathodea Campanulata Yellow	2											
8	Dillenia Indica	2											
9	Michelia Champaka	2											
10	Lagerstroemia Speciosa	2											
11	Cassia Renigera	2											
12	Pterospermum Acerifolium	2											
13	Catophyllum Inophyllum	2											
		47 Energy											





		_							
			power	BEST					
		During Construction Phase: (Demand Load)		80 KW					
		DG set as l back-up du construction	ıring	100 KVA					
		During Op phase (Cor load):	eration inected	2607 kw					
Pov require	ver ement:	During Op phase (Der load):		1600 kW	1600 kW				
		Transform	er:	not applical	ole				
		DG set as l back-up du operation	ıring	2 X 250 KVA	A		3		
		Fuel used:		HSD					
		Details of tension linthrough thany:	e passing	not applical	not applicable				
		48.Ene	rgy savi	ng by noi	n-coi	nventional m	ethod:		
Road & Lan	dscaping-60	% on solar,P	arking - T8 l	ights to T5, I	Lobby	& staircase LED li	ghts -Incandescent to LED		
		4	9.Detail	calculati	ons d	& % of saving	g:		
Serial Number	Е	nergy Cons		, and the second					
1			ing for the P			10	13.3%		
_				_	ion c	ontrol Syste			
Source	Ex	isting pollu	tion contro	l system		Proposed to be installed			
Not applicable		Not	applicable	Not applicable					
Budgetary (Capital	allocation	Capital cos	st:	Rs. 43 lakhs	S				
O&M	cost):	O & M cos	t:	Rs. 2lakhs/a	annum				
51	.Enviro	onment	al Mar	ageme	nt p	olan Budg	etary Allocation		
						vith Break-u			
Serial Number	Attri	butes	Parar	neter		Total Cost p	per annum (Rs. In Lacs)		
1	Air Envi	ronment	Water Sp Green Developme storag	n Belt 4 nt, Covered			4		
2	Noise Env	vironment	Green	icades and n Belt pments	1.5				
3	Water En	vironment	onment Modular STP , Drainage with sedimentation tanks		2				
4	Good Healt	th Practices	Site San Health	itation & n Care	2				
5		onment toring	monitorin	noise soil ng during ion phase	3				
		b	Operat	ion Phas	e (wi	th Break-up):		
Serial Number	Comp	onent	Descr	iption	Capi	tal cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1		waste gement	OV	VC		10	2		





2		water gement			P 13			2			
3	solar e	fficency Ene		ergy	**			2			
4		system RWH s		•		4		0.2			
5		n belt	Lands		11	30	• /1	6	/= •		
51.St	51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)										
Descripti	Description		Location		Storage Capacity in MT	acity Storage / Mo		Source of Supply	Means of transportation		
Not applic	able	Not applicable	Not applica	able	Not applicable	MT Not applicable	Not applicable	Not applicable	Not applicable		
		аррисавіс	52.A	nv Ot	her Info			аррисаріо			
No Information	n Availab	le	J=,//1						¥		
			53.	Traffi	c Manag	gement					
		Nos. of t to the m design o confluer	he junction ain road & f	12.20 N			kar Marg & 9.1	4 M. Wide U	Jmesh		
		Number basemer	and area of nt:	nil							
		Number and area of podia:		4 nos (6040.84) sq.m							
		Total Parking area:									
		Area per car:		33 sqm							
Parking d	etails:	Area per car: Number of 2- Wheelers as approved by competent authority:		33 sqm							
		Number of 4- Wheelers as approved by competent authority:		91 nos							
			ransport:	NA							
		roads (n		6.00 m wide							
	1	CRZ/ RR obtain, i	Z clearance f any:	NA							
	3	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries		NA							
		Category as per schedule of EIA Notification sheet			category B1 8(a)						
		Court cases pending if any									
		Other Ro Informa		NA							
		submitte Applicat	u previously ed ion online F Website.	Yes							







Date of online submission

18-01-2017

Brief information of the project by SEAC

PP, Mr.Kanti Kothari Architect M/s Rubberwala Group of Companies were present during the meeting along with environmental consultant Mr. H.K Desai. PP informed that the project proposed is an expansion and it is a Redevelopment project under DCR 33.7 of MCGM in Ghodopdeo, Mumbai. PP stated that, the project has received earlier EC vide letter dated 08.06.2012 for the construction area of 23586.42 sq.m. Construction of 23,586.42 sq.m was done as per EC received, which comprises redevelopment of rehab building & G+ 13 floors of sale wing. It is noted that, PP has now proposed to expand the sale building vertically from G + 4 P+ 13 floors to G + 4P +18 floors due to addition of fungible FSI.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 4838.28 m2 & total construction area of the project (FSI + Non FSI) is 28836.19 m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in 2) PP to ensure that width of the road for fire tender movement from all sides should be at least 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same and upload.

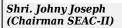
3) PP to upload report on compliance of conditions of the EC issued in 2012

4) PP, if applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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





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Johny Joseph