Subject: Environment Clearance for Expansion and amendment in EC for Residential Development with Mall & Multiplex at L.B.S. Marg, Mulund (W), Mumbai.

Is a Violation Case: No					
1.Name of Project	Residential Development with Mall & Multiplex				
2.Type of institution	Private				
3.Name of Project Proponent	M/s. Nirmal Lifestyle Developers Private Limited				
4.Name of Consultant	M/s. Ultra-Tech				
5.Type of project	Residential Development with Mall & Multiplex				
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion & Amendment in EC				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	This project has received Environmental Clearance vide No. 21-370/2006-1A-III for Commercial Complex from Ministry of Environment and Forests (I.A Division) dt. 29.12.2006. As per the provisions of EIA Notification, 1994 by which the validity for this EC is for a period of 5 years for commencement of construction. This is further clarified in the Para 9 of the Notification dt. 21.08.2013 by MoEF & CC. Hence it is apparent that the clause of validity in our case is for commencement of construction and not from the commencement of construction. We would like to mention that we have commenced the construction work within 5 years i.e. the same can be verified with Commencement Certificate (CC) received from MCGM dt. 03.01.2007.				
8.Location of the project	CTS No. 706-B/A, 706-B/B, 706-B/C, 706-B/D, 706-B/E, 706-B/F, 706-B/G, 706-B/H & 706-B/J, 710 A, 712 A, 762 A, 763 A				
9.Taluka	Mumbai				
10.Village	Nahur				
Correspondence Name:	M/s. Nirmal Lifestyle Developers Private Limited				
Room Number:	-				
Floor:	3rd Floor				
Building Name:	Multiplex Building				
Road/Street Name:	L.B.S. Marg				
Locality:					
City:	Mulund				
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)				
	Received approval from MCGM. dated 21.01.2008				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CE/4813/BPSES/AT				
	Approved Built-up Area: 19460.53				
13.Note on the initiated work (If applicable)	Total constructed work on site till date (FSI + Non FSI): 70,431.75 Sq. mt. There are 2 nos. of existing buildings on site. Both the buildings were completed as per Commencement Certificate (CC) received from MCGM. The Plinth Completion Certificates for these existing Buildings were before 7th July 2004 hence are not under purview of EIA Notification. For other portion in the same layout this project has received Environmental Clearance for Commercial Complex from Ministry of Environment and Forests (I.A Division) dt. 29.12.2006. As per the provisions of EIA Notification, 1994 by which the validity for this EC is for a period of 5 years for commencement of construction. This is further clarified in the Para 9 of the Notification dt. 21.08.2013 by MoEF & CC. Hence it is apparent that the clause of validity in our case is for commencement of construction and not from the commencement of construction. We would like to mention that we have commenced the construction work within 5 years i.e. the same can be verified with Commencement Certificate (CC) received from MCGM.				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA				
15.Total Plot Area (sq. m.)	1,03,110.10 Sq. mt.				
16.Deductions	38,930.42 Sq. mt.				
17.Net Plot area	64,179.68 Sq. mt.				

18 (a).Proposed Built-up Area (FSI & Non-FSI)			a) FSI area (sq. m.): Buildings prior to EIA Notification: 14869.65 Sq.mt. Building under purview of EIA Notification : 2,17,293.73 Sq. mt. (Including Fungible Area)					
		b) Non FSI area (sq. m.): Building prior to EIA Notification: 5023.55 Sq.mt. Building under purview of EIA Notification: 2 90 542.82 Sq. mt. (Including Fungible Area)						
			c) Total BUA area (sq. m.): 507836.55					
19 (b) Appr	wod Built un	area as nor	Approved FS	5I area (sq. m.): 19,460.53				
DCR	weu buiit up	alea as per	Approved N	on FSI area (sq. m.): 79573.83				
			Date of App	roval: 21-01-2008				
19.Total gro	und coverage	e (m2)	Buildings prie 34338.74Sq.	or to EIA Notification: 406.54 Sq. mt., Build mt. Total Ground coverage: 34,745.28 Sq.r	dings under purview of EIA Notification: nt.			
20.Ground-o (Note: Perce to sky)	overage Pero entage of plo	centage (%) t not open	53.5%					
21.Estimate	d cost of the	project	18012500000	00				
	2	2.Num	ber of l	ouildings & its config	guration			
Serial number	Buildin	ng Name & 1	number	Number of floors	Height of the building (Mtrs)			
1	Building p	rior to EIA N	otification					
2	Resi	dential Build	ing 1	Stilt + 25 Floors	76.61			
3	Resi	dential Build	ing 2	Stilt + 15 Floors	46.94			
4	Building Notifi	under purvie cation - 6 wi Residential	ew of EIA ngs of	- 0	-			
5		Wing A		2 Basements + Ground + 7 podia + 3 stilt level + 1 to 57 Floors + 2 fire check floors	217.10			
6		Wing A1		Ground + 1 floor	9.20			
7		Wing B		2 Basements + Ground + 7 podia + 3 stilt level + 1 to 57 Floors + 2 fire check floors	217.10			
8		Wing C		2 Basements + Ground + 7 podia + 3 stilt level + 1 to 57 upper Floors + 2 fire check floors	217.10			
9		Wing D		2 Basements + Ground + 7 podia + 3 stilt level + 1 to 45 Floors + 2 fire check floors	178.70			
10		Wing E		2 Basements + Ground + 7 podia + 3 stilt level + 1 Floors	39.42			
11	1 wing o	of Mall with N	Aultiplex					
12		Wing H		Basement + Lower Ground + Upper Ground + 1 to 3 floors	23.65			
23.Numbe tenants an	r of d shops	Existing Bu Building un Residential Mall with M	ildings prior der purview Buildings: T Iultiplex	to EIA Notification: Total Flats – 187 of EIA Notification: otal Flats – 1940 Nos.	Nos.			
24.Number expected r users	r of esidents /	Existing Bu Notification	ildings prior .: Residentia	to EIA Notification: 748 Nos. , Buildin 1: 10387 Nos. Mall with Multiplex: 13	ng under purview of EIA 782 Nos. (Floating population)			
25.Tenant per hectar	density e	331/hectors	3					
26.Height building(s	of the)							

27.Right of (Width of t from the n station to t proposed h	f way he road earest fire he puilding(s)	It is connec North.	It is connected by 36.60 mt. wide LBS road at West and 18.30m wide Proposed D.P. Road at North.					
28.Turning for easy ac fire tender movement around the excluding t for the plan	y radius cess of from all building the width ntation	12.00 mt.						
29.Existing structure (J s) if any	There are 2 nos. of existing buildings on site. Both the buildings were completed as per Commencement Certificate (CC) received from M.C.G.M. The Plinth Completion Certificates for these existing Buildings were before 7th July 2004 hence are not under purview of EIA Notification. Part construction of proposed structure is completed as EC received.						
30.Details demolition disposal (In applicable)	of the with f	NA						
			31. P	roduct	tion Details			
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not app	plicable	Not apj	plicable	Not applicable	Not applicable		
		3	32.Tota	l Wate	r Requiremen	t		
		Source of	water	M.C.G.M/ Tanker water for Swimming pool make up				
		Fresh water (CMD):		Existing Buildings prior to EIA Notification: 101 KLD (Domestic: 67 KLD + Flushing: 34 KLD) Building under purview of EIA Notification: 1018 KLD				
		Recycled water - Flushing (CMD):		Building under purview of EIA Notification: 613 KLD				
		Recycled w Gardening	vater - (CMD):	Gardening: 102 KLD, Cooling tower make up: 230 KLD				
		Swimming make up (r pool Cum):	20 KLD				
Dry season	:	Total Wate Requireme :	er ent (CMD)	1983 KLD				
	-	Fire fightin Undergrou tank(CMD	ng - Ind water):	Residential	: 400 KL, Mall with Multij	plex: 200 KL		
	SY	Fire fightin Overhead tank(CMD	ng - water):	Residential	: 500 KL, Mall with Multij	plex: 25 KL		
		Excess trea	ated water	Untreated s KLD, Exces Notification	sewage from existing builts treated sewage from Builts and sewage from Builts and several several several sever	dings prior to EIA Notification: 88 uilding under purview of EIA		



		Source of wa	ter	M.C.G.M/ Ta	anker water for	r Swimmiı	ng pool make	up/Partly by F	RWH
		Fresh water (CMD):		Existing Buildings prior to EIA Notification: 101 KLD (Domestic: 67 KLD + Flushing: 34 KLD) Building under purview of EIA Notification: 1018 KLD					
		Recycled wat Flushing (CM	Recycled water - Flushing (CMD):		ler purview of	EIA Notif	ication: 613 I	KLD	
		Recycled wat Gardening (C	Recycled water - Gardening (CMD):		er make up: 23	30 KLD			
		Swimming po make up (Cu	ool m):	20 KLD					
Wet seaso	n:	Total Water Requirement :	: (CMD)	1881 KLD					
		Fire fighting Underground tank(CMD):	- I water	Residential:	400 KL, Mall v	with Multi	plex: 200 KL	5	
		Fire fighting Overhead wa tank(CMD):	- ter	Residential:	500 KL Mall w	vith Multir	olex: 25 KL		
		Excess treate	ed water	Untreated so KLD, Excess Notification	ewage from ex s treated sewag : 442 KLD	isting buil ge from Bu	ldings prior to uilding under	o EIA Notificat purview of EL	ion: 88 A
Details of s pool (If any	Swimming y)	Swimming poo Swimming poo	ol volume: ol make uj	450 m3 p water requi	rement: 20 KL				
		33	.Detail	s of Tota	l water co	nsume	d		
Particula rs Consumption (CMD)		Loss (CMD) Effluent (CMD)							
rs	Cons	sumption (CM	D)		LOSS (CMD)		EI		
rs Water Require ment	Existing	Proposed	D) Total	Existing	Proposed	Total	Existing	Proposed	Total
rs Water Require ment Domestic	Existing 	Proposed	D) Total	Existing	Proposed	Total	Existing 	Proposed	Total
rs Water Require ment Domestic	Existing 	Proposed	Total	Existing	Proposed	Total 	Existing 	Proposed	Total
rs Water Require ment Domestic	Existing 	Proposed Level of the (water table:	Total Ground	Existing 7.0 mt. to 9.	Proposed 2 mt. below gr	Total round surf	Existing 	Proposed	Total
rs Water Require ment Domestic	Existing 	Proposed Level of the (water table: Size and no of tank(s) and Quantity:	Total Ground of RWH	7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl	Proposed 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tan	Total ound surf purview WH tank f 19 KL, V k of 20 KI	Existing ace of EIA Notific of 17 KL, Wir Ving E: 1 RW	Proposed cation: Wing A: ng C: 1 RWH ta H tank of 13 K	Total 1 RWH unk of 19 L, Mall
rs Water Require ment Domestic	Existing 	Proposed Level of the (water table: Size and no c tank(s) and Quantity: Location of t tank(s):	Total Ground of RWH	7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl Basement le	Proposed 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tank	Total ound surf Purview WH tank f 19 KL, V k of 20 KI	Existing Face of EIA Notific of 17 KL, Wir Ving E: 1 RW	Proposed cation: Wing A: ng C: 1 RWH ta H tank of 13 K	Total 1 RWH ank of 19 L, Mall
rs Water Require ment Domestic 34.Rain V Harvestin	Existing 	Proposed Proposed Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits:	Total Ground of RWH he RWH echarge	Existing 7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl Basement le Building und with multipl	Proposed Proposed 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tank wel der purview of ex: 2 Nos.	Total ound surf Ourview WH tank f 19 KL, V k of 20 KI EIA Notif	Existing ace of EIA Notific of 17 KL, Wir Ving E: 1 RW ication: Resid	Proposed cation: Wing A: ng C: 1 RWH ta H tank of 13 K lential: 8 Nos.,	Total 1 RWH ank of 19 L, Mall Mall
rs Water Require ment Domestic 34.Rain V Harvestin (RWH)	Existing 	Proposed Proposed Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha ;	Total Ground of RWH he RWH echarge rge pits	Existing 7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl Basement le Building und with multipl Residential: multiplex: 4:	Proposed Proposed 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tan wel der purview of ex: 2 Nos. 4m x 4m x 3m e	Total ound surf purview of WH tank of f 19 KL, V k of 20 KI EIA Notif effective de	Existing Existing ace of EIA Notific of 17 KL, Wir Ving E: 1 RW ication: Resid depth with 160	Proposed cation: Wing A: ng C: 1 RWH ta H tank of 13 K lential: 8 Nos., 60mm dia, Mal	Total 1 RWH ank of 19 L, Mall Mall Il with
rs Water Require ment Domestic 34.Rain V Harvestin (RWH)	Existing 	Proposed Proposed Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost	Total Ground of RWH he RWH echarge rge pits location) :	Existing 7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl Basement le Building und with multipl Residential: multiplex: 4 Rs. 58.70 La	Proposed Proposed 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tank o ex: 1 RWH tank vel der purview of ex: 2 Nos. 4m x 4m x 3m e acs	Total round surf Purview MH tank f 19 KL, V k of 20 KI EIA Notif EIA Notif	Existing Existing ace of EIA Notific of 17 KL, Wir Ving E: 1 RW ication: Resid depth with 160	Proposed cation: Wing A: ag C: 1 RWH ta H tank of 13 K lential: 8 Nos., 60mm dia, Mal mm dia	Total
rs Water Require ment Domestic 34.Rain V Harvestin (RWH)	Existing 	Proposed Proposed Level of the (water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (O & M cost)	Total Total Ground of RWH he RWH echarge rge pits location) : location ;	Existing 7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl Basement le Building und with multipl Residential: multiplex: 4: Rs. 58.70 La Rs. 2.37 Lac	Proposed Proposed 2 mt. below gr 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tank o ex: 1 RWH tank vel der purview of ex: 2 Nos. 4m x 4m x 3m m x 4m x 3m e acs ss/annum	Total round surf Purview (WH tank (f 19 KL, V k of 20 KI EIA Notif effective de	Existing Existing ace of EIA Notific of 17 KL, Wir Ving E: 1 RW ication: Resid depth with 160	Proposed Cation: Wing A: ng C: 1 RWH ta H tank of 13 K lential: 8 Nos., 60mm dia, Mal 0mm dia	Total
rs Water Require ment Domestic 34.Rain V Harvestin (RWH)	Existing 	Proposed Proposed Level of the (water table: Size and no of tank(s) and Quantity: Location of t. tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost Budgetary al (O & M cost) Details of UC if any :	Total Total Ground of RWH he RWH echarge rge pits location) : location ST tanks	Existing 7.0 mt. to 9. Residential I tank of 19 K KL, Wing D: with multipl Basement le Building und with multipl Residential: multiplex: 4 Rs. 58.70 La Rs. 2.37 Lac Location of 1	Proposed Proposed 2 mt. below gr Building under L, Wing B: 1 R 1 RWH tank o ex: 1 RWH tan vel der purview of ex: 2 Nos. 4m x 4m x 3m e ncs cs/annum UG tanks: Base	Total round surf Purview 6 WH tank 6 f 19 KL, V k of 20 KI EIA Notif effective de ffective de	Existing Existing Face of EIA Notific of 17 KL, Wir Ving E: 1 RW 	Proposed cation: Wing A: ng C: 1 RWH ta H tank of 13 K dential: 8 Nos., 60mm dia, Mal 0mm dia	Total Total Total Total

	Natural water drainage pattern:	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain.				
drainage	Quantity of storm water:	2.28 m3/sec				
	Size of SWD:	2.78 m3/sec				
	Sewage generation in KLD:	Existing buildings prior to EIA Notification : 88 KLD, Buildings under Purview of EIA Notification Residential Wing A & B: 633 KLD, Residential Wing C, D & E: 583 KLD, Mall with multiplex: 211 KLD				
	STP technology:	For Residential: Sequential Batch Reactor (SBR), For Mall: Moving Bed Bio Reactor (MBBR)				
Sewage and	Capacity of STP (CMD):	Buildings under Purview of EIA Notification: 3 Nos. of STPs of total Capacity : 1811 KL				
waste water	Location & area of the STP:	Residential Wing A & B - 2nd basement -, Residential Wing C, D & E - 2nd basement ., Mall with multiplex - Basement .				
	Budgetary allocation (Capital cost):	Rs. 648.35 Lacs				
	Budgetary allocation (O & M cost):	Rs. 53.79 Lacs/annum				
	36.Soli	d waste Management				
Waste generation in	Waste generation:	Partly reuse and disposal of remaining waste to Authorized landfill site.				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Use of Construction waste (Brick, blocks, ceramic tiles, marbles etc.) for waterproofing work, paving & landscaping areas				
	Dry waste:	Existing buildings prior to EIA Notification: 202 kg/day, Buildings under Purview of EIA Notification: 4356 kg/day				
	Wet waste:	Existing buildings prior to EIA Notification: 135 kg/day, Buildings under Purview of EIA Notification: 2421 kg/day				
Waste generation	Hazardous waste:	NA				
Phase:	Biomedical waste (If applicable):	NA				
	STP Sludge (Dry sludge):	214 kg/day				
	Others if any:	NA				
	Dry waste:	Existing buildings prior to EIA Notification: Handed over to MCGM, Buildings under Purview of EIA Notification:To Authorized recyclers				
	Wet waste:	Existing buildings prior to EIA Notification: Handed over to MCGM, Buildings under Purview of EIA Notification: Treatment in Organic Waste Converter				
Mode of Disposal	Hazardous waste:	NA				
of waste:	Biomedical waste (If applicable):	NA				
	STP Sludge (Dry sludge):	Use as manure				
	Others if any:	NA				
	Location(s):	Basement level				
Area requirement:	Area for the storage of waste & other material:	Residential: 120 Sq. mt., Mall with multiplex: 40 Sq. mt.				
	Area for machinery:	Residential: 60 Sq. mt., Mall with multiplex: 12 Sq.mt.				

Member Secretary SEAC (MMR) Dr B. N. Patil) Dr B. N. Patil (Socretary	SEAC Meeting No: 76th (Part-A) Meeting Date:	Page 5 of	(M. M. Adtani)
DI. D.IV.I util (Secretary	SLAC Meeting No. 70th (1 unt-A) Meeting Dute.	I uge 5 0j	
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Budgetary allocation (Capital cost and O&M cost):C		Capital cost:		Rs. 54.00 Lacs				
		0 & M cos	t:	Rs. 14.07 L	acs/annum			
37.Effluent Charecterestics								
Serial Number	Paran	neters	Unit	Unit Inlet Effluent Outlet I Charecterestics Charect			Effluent erestics	Effluent discharge standards (MPCB)
1	Not ap	plicable	Not applicable	Not ap	plicable	Not apj	plicable	Not applicable
Amount of e (CMD):	effluent gene	eration	Not applica	ble				
Capacity of	the ETP:		Not applica	ble				
Amount of t recycled :	reated efflue	ent	Not applica	ble				
Amount of v	vater send to	o the CETP:	Not applica	ble				
Membershi	p of CETP (if	f require):	Not applica	ble				3
Note on ET	P technology	to be used	Not applica	ble				
Disposal of	the ETP sluc	lge	Not applica	ble				
			38.H a	zardous	Waste D	etails		
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not apj	plicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
			39.St	acks em	ission D	etails		
Serial Number	Section	& units	Fuel Us Qua	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG	Set	-					
			40.De	tails of F	uel to b	e used		
Serial Number	Тур	e of Fuel		Existing	xisting Proposed			Total
1		HSD						
41.Source of	of Fuel							
42.Mode of	Transportat	ion of fuel to	site					
		Total RG a	rea :	14607.26 s	q. mt.			
	CY	No of trees	s to be cut	46 Nos.				
43.Gree	n Belt	Number of be planted	f trees to	731 Nos.				
Develop	ment	List of pro native tree	posed es :	List of prop	osed native	trees is givei	ı below	
		Timeline f completion plantation	or n of :	At the time	of completic	on of project		
	44.Nu	mber and	l list of t	rees spe	cies to b	e planteo	d in the g	jround
Serial Number	Name of	the plant	Commo	n Name	Qua	ntity	Characte	eristics & ecological importance

(DF. B. N. Patil)			Alten:
Member Secretary SEAC (MMR)			Col. M
Dr. B.N.Patil (Secretary	SEAC Meeting No: 76th (Part-A) Meeting Date:	Page 6 of	Shri M.M.Adtani (Chairman
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1					
Serial Number	Name	C/C Dista	ance		Area m2
46.Nun	nber and list of sl	nrubs and bushes	s species	to be pla	anted in the podium RG:
45	5.Total quantity of plan	its on ground			
17	Moringa oleifera	Drumstick tree	Ę	5	Fast growing, evergreen, deciduous tree. It grows best in dry sandy soil and tolerates poor soil, including coastal areas. Its fruits are edible and used in very recopies of India.
16	Schleichera oleosa	Kusum	3	7	Avenue, creates shade
15	Mimusops elengi	Spanish cherry, Medlar, and Bullet wood	3	0	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
14	Erythrina indica	Indian Coral tree	4	0	It is a drought resistant tree. Flowers are pollinated by birds.
13	Cassia fistula	Golden Shower Tree, Bahava	3	4	Deciduous tree, medicinal properties, Butterfly host plant.
12	Azadirachta indica	Neem	3	5	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation.
11	Artocarpus altilis	Breadfruit	3	5	Ornamental and shady tree
10	Areca catechu	Betel palm	4	0	Palm tree, seed contains alkaloids such as arecaidine and arecoline, which is used as an interior landscaping species, Nuts are used for chewing.
9	Anthocephallus cadamba	Kadamb	2	1	Quick growing, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
8	List of proposed plantation on Podium		-	-	
7	Ficus benjamina microcarpa	Curtain Fig	9	7	Attracts birds, ornamental
6	Phyllanthus emblica	Amla	6	0	Fruit bearing, medicinal
5	Aegle marmelos	Bael	6	9	Fruits are edible, medicinal
4	Schleichera oleosa	Kusum	8	3	Avenue, creates shade
3	Butea monosperma	Flame of forest	8	0	Attracts bees, butterflies, birds, Avenue
2	Moringa Oleifera	Drumstick tree	6	5	Pods are Edible, attracts birds and bees
1	Proposed tree plantation on Ground		-	-	

		Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)		
		During Construction Phase: (Demand Load)	440 KW		
		DG set as Power back-up during construction phase	As per requirement		
		During Operation phase (Connected load):	Existing buildings prior to EIA Notification: At actual, Buildings under Purview of EIA Notification: Residential Wing A to E: 17799 KW, Mall with multiplex: 6876 KW		
Pov require	wer ement:	During Operation phase (Demand load):	Existing buildings prior to EIA Notification: At actual , Buildings under Purview of EIA Notification: Residential Wing A to E: 7445 KW, Mall with multiplex: 5115 KW		
		Transformer:	Buildings under Purview of EIA Notification: Residential Wing A to E: 3 x 1250 kVA each, 4 x 1000 kVA each, 3 x 800 kVA each Mall with multiplex: 1 x 1000kVA 3 x 3000kVA each		
		DG set as Power back-up during operation phase:	Buildings under Purview of EIA Notification: Residential Wing A to E: 3 DG sets of 1500 kVA capacity each, Mall with multiplex: 2 DG sets of 500 kVA each		
		Fuel used:	Diesel		
] t t		Details of high tension line passing through the plot if any:	NO		
		48.Energy savi	ng by non-conventional method:		
Energy savi • Use of LE • Operation • Use of LE • Street ligh • Operation • Use of Va • Group cor • Use of lev • Use of sta • Exhaust a • Use of VF • Partially t	Energy saving measures for buildings under Purview of EIA Notification: • Use of LED lighting in lift lobbies. • Operation & control with timer logic. • Use of LED luminaries in street and Landscape lighting. • Street lighting with solar system. • Operation with Astronomical timer based • Use of Variable Voltage Variable Frequency (VVVF) controller in lifts • Group control system for lifts. • Use of level controllers. • Use of BEE min. 3 to 5 star rated pump drive (motor) • Use of star rated fans • Exhaust air ventilation by mechanical. • Use of VFD for ventilation fans.				
		49.Detail	calculations & % of saving:		
Serial Number	E	nergy Conservation Mo	easures Saving %		
1	Buildin	ngs under Purview of EIA	Notification		
2	Overal	l energy saving: Residen	tial Buildings 30%		
3	Over	rall energy saving: Mall &	x Multiplex 22%		
		50.Details	of pollution control Systems		
Source	Ex	isting pollution contro	l system Proposed to be installed		
Not applicable		Not applicable	Not applicable		
Budgetary	allocation	Capital cost:	Rs. 132.00 Lacs		
(Capital O&M	cost and cost):	O & M cost:	Rs 1.25 Lacs/annum		

A tel member N. Patil) Member Secretary SEAC (MMR)			(M. M. Adtani)
Dr. B.N.Patil (Secretary	SEAC Meeting No: 76th (Part-A) Meeting Date:	Page 8 of	Shri M.M.Adtani (Chairman
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51.Environmental Management plan Budgetary Allocation						
a) Construction phase (with Break-up):						
Serial NumberAttributesParameterTotal Cost per annum (Rs. In Lacs)			oer annum (Rs. In Lacs)			
1	Air Environment	Water for Dust Suppression		10.08		
2	Air Environment	Air and Noise Monitoring: On site Sensors		13.50		
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory		1.54		
4	Water Environment	Drinking water analysis		0.21		
5	Land Environment	Site Sanitation		10.00		
6	Health & Hygiene	Disinfection- Pest Control		8.40		
7	Health & Hygiene	Health Check-up of workers		63.00		
8	Cost towards Disaster Management		540.00			
	b) Operation Phas	e (with Break-up):		
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)		
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50		
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring:	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22		
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	3 nos. of stacks	No set up cost is involved	0.14		
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	14607.26 Sq.mt. of RG area on ground	80.34	1.20		
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	594.35	50.71		
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	54.00	3.00		
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.08		

8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH ta	nks	10.70		0.54			
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment for Rain Wate collected in tan	t unit r ks	18.00		0.06			
10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwa Monitoring	ter No	No set up cost is involved		0.27			
11	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwa recharge pits	ter	30.00		1,50			
12	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatme biodegradable garbage in OW	nt of e 7C	54.00		13.59			
13	LAND ENVIRONMENT - Solid Waste Management	Environmenta Monitoring	ll No	set up cost involved	is	0.48			
14	ENERGY CONSERVATION - Use of renewable energy	Solar PV pane	ls	132.00		1.25			
15	Cost towards disaster management	2659.00			46.0	0			
51.5	51.Storage of chemicals (inflamable/explosive/hazardous/toxic								
		Sui							
Descri	iption Status	Location	Storage Capacity in MT	Quantity of Storage at any point of time in MT	Consumptio / Month in MT	ⁿ Source of Supply	Means of transportation		
Not app	blicable Not applicable	Not applicable	Not applicable	Not Not blicable applicable Not		e Not applicable	Not applicable		
	52.Any Other Information								
No Informa	No Information Available								
	Nos. of the junction to the main road & design of confluence: 3 entry and exists								



	Number and area of basement:	2 Basements for Residential building, 1 Basement for Mall with multiplex		
	Number and area of podia:	7 Podia for Residential building , 3 Podia for Mall with multiplex		
	Total Parking area:	1,51,844.54 Sq. mt.		
	Area per car:			
	Area per car:			
Parking details:	Number of 2- Wheelers as approved by competent authority:			
	Number of 4- Wheelers as approved by competent authority:	For Buildings under purview of EIA Notification: 5189 Nos.		
	Public Transport:	NA		
	Width of all Internal roads (m):	Min 6.0 mt.		
	CRZ/ RRZ clearance obtain, if any:	NA		
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA		
	Category as per schedule of EIA Notification sheet	Category 8 (b) B1		
	Court cases pending if any	NA		
	Other Relevant Informations			
	Have you previously submitted Application online on MOEF Website.	Yes		
	Date of online submission	29-06-2018		
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS		
Environmental Impacts of the project	-			
Water Budget	Total Water Requirement	nt (Dry season - 1983) & (Wet season - 1881)		
Waste Water Treatment	 Total Water Requirement (Dry season - 1983) & (Wet season - 1881) Sewage generation in KLD: Existing buildings prior to EIA Notification : 88 KLD, Buildings under Purview of EIA Notification Residential Wing A & B: 633 KLD, Residential Wing C, D & E: 583 KLD, Mall with multiplex: 211 KLD • STP technology: For Residential: Sequential Batch Reactor (SBR), For Mall: Moving Bed Bio Reactor (MBBR) • Capacity of STP (CMD): Buildings under Purview of EIA Notification: 3 Nos. of STPs of total Capacity : 1811 KL • Location & area of the STP: Residential Wing A & B - 2nd basement -, Residential Wing C, D & E - 2nd basement., Mall with multiplex. 			

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Drainage pattern of the project	1) Natural water drainage pattern: The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain. 2) Quantity of storm water: 2.28 m3/sec 3) Size of SWD: 2.78 m3/sec				
Ground water parameters	7.0 mt. to 9.2 mt. below ground surface				
Solid Waste Management	1) Waste generation in the Pre Construction and Construction phase: • Waste generation: Partly reuse and disposal of remaining waste to Authorized landfill site • Disposal of the construction waste debris: Use of Construction waste (Brick, blocks, ceramic tiles, marbles etc.) for waterproofing work, paving & landscaping areas 2) Waste generation in the operation Phase: • Dry waste: Existing buildings prior to EIA Notification: 202 kg/day, Buildings under Purview of EIA Notification: 4356 kg/day • Wet waste: Existing buildings prior to EIA Notification: 2421 kg/day • Hazardous waste: NA • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): 214 kg/day • Others if any: NA 3) Mode of Disposal of waste: • Dry waste: Existing buildings prior to EIA Notification: Handed over to MCGM, Buildings under Purview of EIA Notification: Handed over to MCGM, Buildings prior to EIA Notification: Handed over to MCGM, Buildings prior to EIA Notification: Handed over to MCGM, Buildings prior to EIA Notification: Handed over to MCGM, Buildings prior to EIA Notification: Handed over to MCGM, Buildings prior to EIA Notification: Handed over to MCGM, Buildings under Purview of EIA Notification: Handed over to MCGM, Buildings under Purview of EIA Notification: Basement level • Area for the storage of waste & other material: Residential: 120 Sq. mt., Mall with multiplex: 40 Sq. mt. • Area for machinery: Residential: 60 Sq. mt., Mall with multiplex: 12 Sq.mt • Capital cost: Rs. 54.00 Lacs O & M cost: Rs. 14.07 Lacs/annum				
Air Quality & Noise Level issues	-				
Energy Management	1) Power requirement: • Source of power supply : Maharashtra State Electricity Distribution Company Limited (MSEDCL) • During Construction Phase: (Demand Load) 440 KW • DG set as Power back-up during construction phase As per requirement • During Operation phase (Connected load): Existing buildings prior to EIA Notification: At actual, Buildings under Purview of EIA Notification: Residential Wing A to E: 17799 KW, Mall with multiplex: 6876 KW • During Operation phase (Demand load): Existing buildings prior to EIA Notification: At actual , Buildings under Purview of EIA Notification: Residential Wing A to E: 7445 KW, Mall with multiplex: 5115 KW • Transformer : Buildings under Purview of EIA Notification: Residential Wing A to E: 3 x 1250 kVA each, 4 x 1000 kVA each, 3 x 800 kVA each Mall with multiplex: 1 x 1000kVA 3 x 3000kVA each • DG set as Power back-up during operation phase: Buildings under Purview of EIA Notification: Residential Wing A to E: 3 DG sets of 1500 kVA capacity each, Mall with multiplex: 2 DG sets of 500 kVA each • Fuel used: Diesel • Details of high tension line passing through the plot if any: NO 2) Energy saving by non-conventional method: Use of LED lighting, solar system, 3 to 5 star rated pump drive (motor), Roof top solar PV system 3) Detail calculations & % of saving: Overall energy saving: Residential Buildings – 30%, Overall energy saving: Mall & Multiplex – 22%				
assessment	Nos. of the junction to the main road & design of confluence: 3 entry and exists				
Landscape Plan	Total RG area : 14607.26 sq. mt				
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation 12.00 mt.				
Socioeconomic impact assessment	-				
Environmental Management Plan	Environmental Management Plan - (Cost per annum (Rs. In Lacs)) Air Environment Water for Dust Suppression - 10.08 Air Environment Air and Noise Monitoring: On site Sensors - 13.50 Air Environment Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory- 1.54 Water Environment Drinking water analysis - 0.21 Land Environment Site Sanitation - 10.00 Health & Hygiene Disinfection- Pest Control - 8.40 Health & Hygiene Health Check-up of workers- 63.00 Cost towards Disaster Management 540.00				
Any other issues related to environmental sustainability	-				

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Environment Clearance for Expansion and amendment in EC for Residential Development with Mall & Multiplex at CTS No. 706-B/A, 706-B/B, 706-B/C, 706-B/D, 706-B/E, 706-B/F, 706-B/G, 706-B/H & 706-B/J, 710 A, 712 A, 762 A, 763 A L.B.S. Marg, Mulund (W), Mumbai by M/s. Nirmal Lifestyle Developers Private Limited

Representative of PP was present during the meeting along with environmental consultant M/s. Ultra-Tech. PP informed that, they have rreceived Environmental Clearance from Ministry of Environment and Forests vide letter dated 29.12.2006 as per the provisions of EIA Notification, 1994. Commencement Certificate (CC) also received from Municipal Corporation of Greater Mumbai vide letter dated 03.01.2007. PP stated that, there are 2 nos. of existing buildings of St + 25 and $St + 15^{th}$ floors. Plinth Completion Certificates of these buildings were before 7th July 2004 hence are not under purview of EIA Notification and was not part of previous EC. PP further informed that, the project under consideration is for amendment and expansion in EC from Mall & commercial development to residential development (6 wings of Residential) with 1 wing of mall & multiplex hence reapplied for EC.

PP informed that now, as per amendment the Total Plot Area is 103110.10 Sq. mt having Total Built-up Area 5,07,836.55 Sg. mt. (FSI- 2,17,293.73 Sg. mt. + NON FSI- 2,90,542.82 Sq. mt.). PP also informed that, Total Construction work carried out on site till date as per previous EC is 70431.75 Sq. mt. The proposal was previously considered in 69th meeting of SEAC-II dated on 11-09-2018.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit undertaking stating that, the project site is beyond ESZ area of sanjay Gandhi National Park. 2) PP to submit & upload CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project.

3) PP to submit HRC permission.

FINAL RECOMMENDATION

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



Agenda of 76th (Part-A) Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76th (Part-A) Meeting Date November 1, 2018

Subject: Environment Clearance for Expansion of Proposed Residential project – Navjeevan CHS at CTS No. 19, 19/1 to 67, 20, 20/1 to 121 of village Pahadi, Goregoan, P/N ward, Malad East, Mumbai 400097 by M/s Shiv Shakti Builders & developers

Is a Violation Case: No					
1.Name of Project	Expansion of Proposed Residential project - Navjeevan CHS				
2.Type of institution	Private				
3.Name of Project Proponent	M/s Shiv Shakti Builders & developers				
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.				
5.Type of project	SRA Scheme				
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance on 12th November 2010 vide letter no. SEAC-2010/CR-358/TC-2 for total construction area of 51, 482 sq.m out of which 18750.00 sq.m of area is been completed.				
8.Location of the project	CTS No. 19, 19/1 to 67, 20, 20/1 to 121 of village Pahadi, Goregoan, P/N ward, Malad East, Mumbai 400097				
9.Taluka	Malad				
10.Village	Pahadi				
Correspondence Name:	M/s Shiv Shakti Builders & developers				
Room Number:	7				
Floor:	ground floor				
Building Name:	Shankar Dham II				
Road/Street Name:					
Locality:	Off Four Bunglows, Andheri- W				
City:	Mumbai Suburban district				
11.Area of the project	Corporation of Greater Mumbai				
	IOA received				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/3249/PN/PL/AP dtd 4.02.2017				
	Approved Built-up Area: 51197.68				
13.Note on the initiated work (If applicable)	Construction work has been started as per previous EC received dtd 12.11.2010,				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI received vide letter no.SRA/ENG/1546/PN/PL/LOI dtd 27.01.2017				
15.Total Plot Area (sq. m.)	11210.80 sq.m.				
16.Deductions	976.79 sq.m.				
17.Net Plot area	10234.01 sq.m.				
	a) FSI area (sq. m.): 56793.66				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 19740.03				
	c) Total BUA area (sq. m.): 76533.69				
10 (I) A	Approved FSI area (sq. m.): 51197.68				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): -				
	Date of Approval: 04-02-2017				
19.Total ground coverage (m2)	5845.72 sq.m				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57%				
21.Estimated cost of the project	3167200000.00				

22.Number of buildings & its configuration

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Serial number	Buildin	g Name & number	Nu	mber of floors	Height of the building (Mtrs)		
1		Rehab bldg	Gr (Commercial) + 2nd to 11th floor + 12th part + 13th & 14th floor + 15th Part floor + 16th floor + 17th part floor + 18th part + 19th to 21st floor + 22nd part + 23rd floor		69.90		
2	Sale b	oldg (Wing A to G)	Gr (Part st podium	ilt) + common 1st (Part) + 2nd to 21st floor	69.90		
23.Number tenants an	r of d shops	Rehab: Residential: 624 Sale: 570 nos	4, Commercia	ll: 53, R/C: 16, BWS: 14, 7	Гemple: 4		
24.Number expected r users	r of esidents /	Rehab: 3450 nos. ,Sale:	: 2850				
25.Tenant per hectar	density e	1186 tenant / hectare					
26.Height building(s)	of the						
27.Right o (Width of the firom the firom the firom the firon the first station to first sta	f way the road earest fire the puilding(s)	Access through 18.30 M Wide DP road					
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9 m		×.000			
29.Existing structure	J (s) if any	Nil	Nil				
30.Details demolition disposal (I applicable	of the with f	Nil					
		31.1	Product	tion Details			
Serial Number	Pro	duct Existing	J (MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not apj	plicable Not ap	plicable	Not applicable	Not applicable		
32.Total Water Requirement							



		Source of	water	MCGM / tre	MCGM / treated water from STP							
		Fresh wate	er (CMD):	551 KLD								
		Recycled w Flushing (vater - CMD):	289 KLD	289 KLD							
Dry season:		Recycled w Gardening	vater - (CMD):	8 KLD	8 KLD							
		Swimming make up (pool Cum):	6 KLD								
		Total Wate Requireme :	er ent (CMD)	848								
		Fire fightin Undergrou tank(CMD)	ng - Ind water):	Rehab: 300	KLD Sale: 6	00 KLD						
		Fire fightin Overhead tank(CMD)	ng - water):	Rehab-180	KLD Sale-21	0 KLD		5				
Excess treated water			411									
		Source of v	water	MCGM / tre	eated water f	rom STP/RW	/H					
		Fresh wate	er (CMD):	551 KLD								
		Recycled w Flushing (vater - CMD):	289 KLD								
		Recycled w Gardening	vater - (CMD):									
		Swimming make up (pool Cum):	-								
Wet seaso	n:	Total Wate Requireme :	er ent (CMD)	840								
		Fire fightin Undergrou tank(CMD)	ng - Ind water):	Rehab: 300	KLD Sale: 6	00 KLD						
		Fire fightin Overhead tank(CMD	ng - water):	Rehab-180 KLD Sale-210 KLD								
		Excess trea	ated water	419								
Details of pool (If an	Swimming y)	6KLD	•									
		3	3.Detail	s of Tota	l water c	onsume	d					
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			

	Level of the Ground water table:	2.2 bgl				
	Size and no of RWH tank(s) and Quantity:	-				
34.Rain Water	Location of the RWH tank(s):	-				
	Quantity of recharge pits:	197.48				
(RWH)	Size of recharge pits :	Well				
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs				
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/annum				
	Details of UGT tanks if any :	Domestic Water Tank : 557 KLD Flushing Water Tank : 290 KLD Fire Water Tank : 600 KLD				
25 Storm water	Natural water drainage pattern:	East to West				
drainage	Quantity of storm water:	0.2 cum/sec				
	Size of SWD:	450 mm X 450 mm				
	Sewage generation in KLD:	Rehab: 418 KLD Sale: 369 KLD				
	STP technology:	MBBR				
Sowage and	Capacity of STP (CMD):	Rehab: 420 KLD Sale: 380 KLD				
Waste water	Location & area of the STP:	Below ground level				
	Budgetary allocation (Capital cost):	Rs. 100 Lakhs				
	Budgetary allocation (O & M cost):	Rs. 10 Lakh/annum				
	36.Solie	d waste Management				
Waste generation in the Pre Construction	Waste generation:	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority				
and Construction phase:	Disposal of the construction waste debris:	Will be used for Landscaping.				
	Dry waste:	1238 kg/day				
	Wet waste:	1827 kg/day				
Waste generation	Hazardous waste:	NA				
in the operation Phase:	Biomedical waste (If applicable):	NA				
	STP Sludge (Dry sludge):	8 kg/day				
	Others if any:	NA				

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Member Secretary SEAC (MMR)			Col. M. Manu >
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		Dry waste:		To be handed over to Local Recyclers for recycling.						
		Wet waste	:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.						
Mode of Disposal of waste:		Hazardous	waste:	NA	NA					
		Biomedica applicable	l waste (If):	NA						
		STP Sludg sludge):	e (Dry	To be used	as manure					
		Others if a	ny:	Nil						
Location(s)):	Ground leve	el					
Area requirem	ent:	Area for th of waste & material:	e storage other	158 sq.m						
		Area for m	achinery:	10 sq.m						
Budgetary	allocation	Capital cos	st:	Rs.50 lakhs						
O&M cost)	:	O & M cos	t:	Rs. 1.2 Lak	hs					
			37. E	fluent C	harecter	restics				
Serial Number	Serial Number Parameters Unit			Inlet E Charect	ffluent cerestics	Outlet Charect	Effluent cerestics	Effluent discharge standards (MPCB)		
1	1 Not applicable N appli		Not applicable	Not ap	Not applicable Not app		plicable	Not applicable		
Amount of effluent generation (CMD): Not application				plicable						
Capacity of	the ETP:		Not applica	applicable						
Amount of t recycled :	reated efflue	ent	Not applica	licable						
Amount of v	vater send to	o the CETP:	Not applic	able						
Membershij	p of CETP (if	f require):	Not applica	able						
Note on ET	P technology	to be used	Not application							
Disposal of	the ETP sluc	ige	Not applica	able	X47					
			38.H	azardous	waste 1	Jetails				
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Not app	plicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
			39.S	tacks em	ission D	etails				
Serial Number Section & units Qua		sed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases				
1	Not app	plicable	Not ap	plicable	Not applicable	Not applicable	Not applicable	Not applicable		
			40.De	tails of F	uel to b	e used				
Serial Number	Тур	e of Fuel		Existing		Proposed		Total		
1	Not	applicable]	Not applicabl	e	Not applicabl	е	Not applicable		
41.Source of	of Fuel		Not	applicable						

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42.Mode of	2.Mode of Transportation of fuel to site Not applicable						
		Total RG area		1524.6 sq n	n		
		No of troos to l	o cut	1024.0 34.1	u		
		:	le cui	-			
43.Green Belt		Number of tree be planted :	es to	188			
Develop	ment	List of propose native trees :	d	As listed be	low		
Tin com pla		Timeline for completion of plantation :	Timeline for completion of plantation :		At the end of construction phase		
	44.Nu	mber and lis	t of t	rees spe	cies to b	e plante	d in the ground
Serial Number Name of the plant Comm			commo	n Name	Quai	ntity	Characteristics & ecological importance
1	Azadirachta indica		Ne	em	15		Large tree, good for roadside plantation
2	Bauhinia racemosa		Ap	ota	a 22		Small tree with small white flowers, butterfly host plant
3	Ficus religiosa		Pij	Pipal 18		8	Semi-evergreen tree
4	Samanea saman		Rain	Rain tree 22		2	Shady & ornamental tree
5	Saraca asoca		Ash	shoka 17		7	Shady tree with red yellow flower
6	Cassia fistula		Bhava		1	6	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
7	Michalia	champaca	Son	chapa 25		5	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
8	Mimuso	ps elengi	Ba	kul	1 23		Shady tree, small white fragrant flowers
9	Pongami	a pinnata	Kai	ranj	3	0	Shady tree
45	5.Total qua	ntity of plants of	1 grou	nd			
46.Num	ıber and	list of shru	bs an	d bushes	s species	to be pl	anted in the podium RG:
Serial Number		Name		C/C Dista	nce		Area m2
1	Hibiscu	s rosa-sinensis		-			-
2	Glori	loriosa superba		-			-
3	Tec	oma stans		-			-
4	Bougainv	villea spectabilis					
47.Energy							



		Source of supply :	power	Reliance en	ergy				
		During Co Phase: (De Load)	nstruction emand	150 kW					
		DG set as back-up du construction	Power uring on phase	200 KVA	200 KVA				
D		During Op phase (Cor load):	eration nnected	5048.25 kW	5048.25 kW				
require	ement:	During Op phase (Der load):	eration mand	2635.58 kW	2635.58 kW				
		Transform	er:	2500 kVA &	1500	kVA			
		DG set as back-up du	Power uring phase:	450 kVA	450 kVA				
		Fuel used:		HSD					
		Details of i tension lin through th any:	high le passing le plot if	No					
	48. Energy saving by non-conventional method:								
 External lighting on solar. Lifts will be with VFD drives and soft starters, which will result in overall 20 % power saving. Common Area Lighting, mainly LED lights with timer control operation Solar Hot Water Generation for apartment 									
Sorial		I	5.Detail			a /o or suving.			
Number	E	nergy Cons	ervation M	easures		Saving %			
1		Total e	nergy saving	IS	19%				
		50	.Details	of polluti	ion c	control Systems			
Source	Ex	isting pollu	tion contro	l system		Proposed to be installed			
Not applicable		Not	applicable			Not applicable			
Budgetary	allocation	Capital cos	st:	Rs. 45 Lakh	S				
O&M	cost and cost):	O & M cos	t:	Rs. 9 lakhs/	yr				
51	.Enviro	onment	tal Mar	nageme	nt j	plan Budgetary Allocation			
	9	a)	Construc	ction pha	se (1	with Break-up):			
Serial Number	Attri	butes	Parai	meter Total Cost per annum (Rs. In Lacs)					
1	Water sp	orinkling	Water sp	prinkling 10		10			
2	Health, sai aid fa	fety & first acility	Health, sai aid fa	fety & first acility		8			
3	Sanitary fa waste manag	acility and water gement	Sanitary f waste manag	acility and water gement		12			



4	EnvironmentalHMonitoring (Noise, Water & Soil-ProjectMater Water Water & Soil-Projectsite (4 times a year)site		Enviror Monitorin Water & S site (4 tim	nmental ng (Noise Soil-Proje nes a yea	mental g (Noise, 20 pil-Project es a year)						
			b) Operat	ion Pl	hase	e (wi	th Brea	k-up):		
Serial Number	Com	ponent	Descr	iption		Capi	ital cost Rs Lacs	s. In	Operat c	tional and ost (Rs. in	Maintenance Lacs/yr)
1	Water M	lanagement	S	ГР			100			10	
2	Water M	lanagement	RV	VH			10			1	
3	Land	lscaping	Lands	caping	_		2.8			0.56	
4	Soli mana	d waste agement	<i>I</i> O	NC			50			1.2	
51.S	torag	e of ch	emicals	(infl sub	lam sta	abl nce	e/expl es)	osiv	ve/haz	zardou	s/toxic
Descrij	ption	Status	Locatio	n	Sto Cap in	rage acity MT	Maximum Quantity of Storage at any point of time in MT	Cons / M	sumption onth in MT	Source of Supply	Means of transportation
Not app	licable	Not applicable	Not applica	able	N appli	lot icable	Not applicable	Not a	pplicable	Not applicable	Not applicable
			52.A	ny Ot	her	Info	rmatior	1			
No Informa	tion Availa	ble									
			53.	Traffi	сM	ana	gement				
		Nos. of t to the m design o confluer	he junction ain road & f ace:	The pro road	oject	site is	accessible t	hroug	h the exis	sting 18.30 I	M wide DP
		Number basemer	and area of it:	Nil							
		Number podia:	and area of	1 podium of 1325.07 sq.m							
		Total Pa	rking area:	5101.99 sq.m							
		Area per	car:	12.81 sq.m							
		Area per	car:	12.81 sq.m							
Parking details:		Wheeler approved compete authorit	of 2- s as d by nt y:	-							
		Number Wheeler approve compete authorit	of 4- s as l by nt y:	398							
		Public T	ransport:	nil							
	Wid road		all Internal 1):	minimu	ım 6 1	m wide	9				

Dr. B.N.Patil (Secretary SEAC-(III)	SEAC Meeting No: 76th (Part-A) Meeting Date: November 1, 2018	Page 21 of 66	(M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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	CRZ/ RRZ clearance obtain, if any:	RZ/ RRZ clearance NA NA					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1.63 km from Sanjay Gandhi N project boundary to ESZ boun	Jational Park dary)	x (Aerial distance from			
	Category as per schedule of EIA Notification sheet	B2-8(a)					
	Court cases pending if any	Nil					
	Other Relevant Informations	-					
	Have you previously submitted Application online on MOEF Website.	Yes					
	Date of online submission	01-08-2018					
SEAC	DISCUSSION	ON ENVIRONME	ENTAL	ASPECTS			
Environmental Impacts of the project	-	00					
Water Budget	Total Water Requirement (Dry season - 848) & (Wet season - 840)						
Waste Water Treatment	• Sewage generation in KLD: Rehab: 418 KLD Sale: 369 KLD • STP technology: MBBR • Capacity of STP (CMD): Rehab: 420 KLD Sale: 380 KLD • Location & area of the STP: Below ground level						
Drainage pattern of the project	1) Natural water drainage pattern: East to West 2) Quantity of storm water: 2.28 m3/se 0.240 cum/sec 3) Size of SWD: 450 mm X 450 mm						
Ground water parameters	2.2 bgl						
Solid Waste Management	 Waste generation in the Pre Construction and Construction phase: • Waste generation: Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority • Disposal of the construction waste debris: Will be used for Landscaping. 2) Waste generation in the operation Phase: • Dry waste: 1239 kg/day • Wet waste: 1839 kg/day • Hazardous waste: NA • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): 8 kg/day • Others if any: NA Mode of Disposal of waste: • Dry waste: To be handed over to Local Recyclers for recycling • Wet waste: To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users. • Hazardous waste: NA • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): To be used as manure • Others if any: NA. 4) Area requirement: • Location(s): Ground level • Area for the storage of waste & other material: 159 sq.m • Area for machinery: 6 sq.m • Capital cost: Rs.50 lakhs O & M cost: 						
Air Quality & Noise Level issues	-						
Energy Management	1) Power requirement: • Source of power supply : Reliance energy • During Construction Phase: (Demand Load) 150 kW • DG set as Power back-up during construction phase 200 KVA • During Operation phase (Connected load): 5048.25 kW • During Operation phase (Demand load): 2635.58 kW • Transformer : 2500 kVA & 1500 kVA • DG set as Power back-up during operation phase: 450 kVA • Fuel used: HSD • Details of high tension line passing through the plot if any: NO 2) Energy saving by non-conventional method: External lighting on solar, LED lights, VFD drives and soft starters, which will result in overall 20 % power saving. Common Area Lighting, mainly with timer control operation • Solar Hot Water Generation for apartment 3) Detail calculations & % of saving: Total energy savings 19 %						
Dr. B.N.Patil (Secretary SEAC (MR) Dr. B.N.Patil (Secretary SEAC-III)	SEAC Meeting N	o: 76th (Part-A) Meeting Date: ovember 1, 2018	Page 22 of 66	(M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)			

Traffic circulation system and risk assessment	Nos. of the junction to the main road & design of confluence: The project site is accessible through the existing 18.30 M wide DP road
Landscape Plan	Total RG area : 1524.6 sq.m
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation 9 m Socioeconomic impact assessment –
Socioeconomic impact assessment	-
Environmental Management Plan	Environmental Management Plan - (Cost per annum (Rs. In Lacs) Water sprinkling Water sprinkling - 10 Health, safety & first aid facility Health, safety & first aid facility - 8 Sanitary facility and waste water management Sanitary facility and waste water management- 12 Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year) Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year) - 20
Any other issues related to environmental sustainability	-

Environment Clearance for Expansion of Proposed Residential project - Navjeevan CHS at CTS No. 19, 19/1 to 67, 20, 20/1 to 121 of village Pahadi, Goregoan, P/N ward, Malad East, Mumbai 400097 by M/s Shiv Shakti Builders & developers.

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

PP informed that EC was received vide letter dated 12th November, 2010 for the Total Construction area 51,482 Sq.m. PP further informed that, the proposal is for expansion with increase in total built up area from 51,481.71Sq.m. to 76,533.69 Sq.m. due to availability of base FSI & Fungible FSI. PP also stated that, there is change in building configuration of Rehab building and Sale building (Wing A & B) also addition of 5 new wings. Rehab building configuration will be changed from G+18 floors to Gr (Commercial) + 1st floor (Amenity) + 2nd to 11th floor + 12th part + 13th & 14th floor + 15th Part + 16th floor + 17th part + 18th part + 19th to 21st floor + 22nd part + 23rd floor and Sale building (Wing A & B) configuration will be changed from B + (G+1) Commercial + P + 23 floors to Gr (Part stilt) + common 1st (Part podium) + 2nd to 21st floor and addition of Sale Wing C,D,E , F & G - Gr (Part stilt) + common 1st (Part podium) + 2nd to 21st floor.The proposal was previously considered in 68th meeting of SEAC-II dated on 07-09-2018. PP submitted compliance report which is taken on record.

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

DECISION OF SEAC

Dr. B.N.Patil (Secretary SEAC (MMR)	SEAC Meeting No: 76th (Part-A) Meeting Date: November 1, 2018	Page 23 of 66	(M. M. Adtan;) Shri M.M.Adtani (Chairman SEAC-II)
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PP has complied with the points raised in the 68th meeting of SEAC-2 **hence, Committee decided to recommend the proposal for Environmental Clearance to SEIAA.**

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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 Member Secretary
 SEAC Meeting No: 76th (Part-A) Meeting Date:

 Dr. B.N.Patil (Secretary
 SEAC Meeting No: 76th (Part-A) Meeting Date:

 SEAC-II)
 November 1, 2018

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

Subject: Environment Clearance for Application for grant of environmetal clearance of proposed SRA scheme -

Is a Violation Case: No					
1.Name of Project	SRA Scheme (Expansion Project) by M/s. Rajsanket Realty Ltd. "Raj Infinia"				
2.Type of institution	Private				
3.Name of Project Proponent	Mr Priyal K. Patel,RB House, MIDC Cross Road 'B' of Andheri Kurla Road, J.B. Nagar, Andheri (E), Mumbai - 400 051.				
4.Name of Consultant	Mr. H.K. Desai ,Enviro Analysts & Engineers Pvt. Ltd., B-1003, Enviro House Western Edge II, Behind Metro Mall Western Express Highway Borivali (E), Mumbai-400066				
5.Type of project	SRA scheme				
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. The project has received EC dated 16-07-2015 (SEAC-2010/CR648/TC-2) for the construction area = 1,19,324. 82 sq.m.				
8.Location of the project	At CTS No. 307/66A of village Valnai, Link Road, Malad (E), Mumbai				
9.Taluka	Borivali				
10.Village	Valnai				
Correspondence Name:	Mr Priyal K. Patel				
Room Number:					
Floor:					
Building Name:	RB House				
Road/Street Name:	MIDC Cross Road 'B' of Andheri Kurla Road				
Locality:	J.B. Nagar, Andheri (E), Mumbai - 400 051				
City:	Andheri				
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)				
	IOA date:- 01/06/2012 & C.C. :- 17/07/2012				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: IOA Ref. :- SRA/ENG/2832/PN/ML/AP				
······································	Approved Built-up Area: 37261.86				
13.Note on the initiated work (If applicable)	Area of 81917.29 sq.m. has been constructed on site as per the Previous EC granted on 16-07-2015 (SEAC 2010/CR 648/TC 2).				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1025/PN/ML/LOI dated 11-08-2011				
15.Total Plot Area (sq. m.)	22,340.25 sq.m.				
16.Deductions	4293.84 sq.m.				
17.Net Plot area	18046.41sq.m.				
	a) FSI area (sq. m.): 74,409.51				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 67,416.99				
	c) Total BUA area (sq. m.): 141826.50				
	Approved FSI area (sq. m.):				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):				
Don	Date of Approval:				
19.Total ground coverage (m2)	8,867.64				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.69				
21.Estimated cost of the project	3519900000				

22.Number of buildings & its configuration

Dr. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 76th (Part-A) Meeting Date: November 1, 2018	Page 25 of 66	(M. M. Adtans) Shri M.M.Adtani (Chairman SEAC-II)
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Serial number	Building Name & number		Nu	mber of floors	Height of the building (Mtrs)		
1		Rehab 1		G+17	52.65		
2		Rehab 2		G +18	55.65		
3		Rehab 3		G+22	67.15		
4		Rehab 4		G+22	67.15		
5		Rehab 5		G+1	6.25		
6	D	hobighat Bldg.		G+4	18.30		
7		Sale Bldg.	2 Basemen Podium Service	t + Gr. (incl. Shops) + 2 + 37 Resi. Floors + fl. +Fire check floor	129.20		
23.Numbe tenants an	r of d shops	Rehab Bldg. $-1 = 257$ Rehab Bldg. $-2 = 69$ nc Rehab Bldg. $-3 = 344$ n Rehab Bldg. $-3 = 344$ n Rehab Bldg. $-4 = 200$ n Rehab Bldg. $-5 = 11$ nc Sale Bldg. wing A = 14 Sale Bldg. wing B = 21 Sale Bldg. wing C = 14 No. of Shops Rehab Shop = 10 nos. Sale Shop = 14 nos.	nos. s. os. os. s. .0nos. 4nos. .4nos.		00151		
24.Number of expected residents / users 7902							
25.Tenant density per hectare 500 nos. /hector							
26.Height building(s)	of the)						
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)							
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation							
29.Existing structure	J (s) if any	Construction of bldg st	arted as per g	granted EC			
30.Details of the demolition with disposal (If applicable) NA							
31.Production Details							
Serial Number	Pro	duct Existin	g (MT/M)	Proposed (MT/M)	Total (MT/M)		
1	Not apj	plicable Not a	plicable	Not applicable	Not applicable		
32.Total Water Requirement							

(BF. B. N. Patil) Member Secretary SEAC (MMR)			(M. M. Adtani)
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		Source of	water	MCGM/Rec	yled water							
		Fresh wate	er (CMD):	638 + 20 (For Dhobighat Bldg.)								
		Recycled w Flushing (vater - CMD):	330								
		Recycled w Gardening	vater - (CMD):	15								
		Swimming make up (pool Cum):	6								
Dry season:		Total Wate Requireme :	er ent (CMD)	1009								
		Fire fightin Undergrou tank(CMD)	ng - Ind water):	250 cum for	r each bldg.							
		Fire fightin Overhead tank(CMD)	ng - water):	300 cum for	300 cum for each bldg.							
		Excess trea	ated water	469								
		Source of	water	MCGM/Rec	yled water/ I	RWH water						
		Fresh wate	er (CMD):	638+ 20 (For Dhobighat Bldg.)								
		Recycled w Flushing (vater - CMD):	330								
		Recycled w Gardening	vater - (CMD):	0								
		Swimming make up (pool Cum):	6								
Wet seaso	n:	Total Wate Requireme :	er ent (CMD)	994								
		Fire fightin Undergrou tank(CMD)	ng - Ind water):	250 cum for each bldg.								
		Fire fightin Overhead tank(CMD	ng - water):	300 cum for each bldg.								
		Excess trea	ated water	484								
Details of pool (If an	Swimming y)											
		3	3.Detail	s of Tota	l water o	onsume	d					
Particula rs	Cons	sumption (C	EMD)		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 the Ground water table:	at 4 m bgl.				
	Size and no of RWH tank(s) and Quantity:	7 No. of RWH Tanks for each bldg. with 2 days storage (total capacity = 528 cum) $$				
	Location of the RWH tank(s):	at ground level				
34.Rain Water Harvesting	Quantity of recharge pits:	NA				
(RWH)	Size of recharge pits :	NA				
	Budgetary allocation (Capital cost) :	Rs. 7.00 Lakhs				
	Budgetary allocation (O & M cost) :	Rs. 2.00 Lakhs				
	Details of UGT tanks if any :	NA				
25 Storm sustan	Natural water drainage pattern:	north to south				
drainage	Quantity of storm water:	111 cum				
	Size of SWD:	450 mm wide drain channel				
	Sewage generation in KLD:	904 KLD (Rehab = 574 KLD, Sale =330 KLD)				
	STP technology:	MBBR				
Sewage and	Capacity of STP (CMD):	2 no. of STP (for rehab bldg. = 630 KLD, for sale bldg. = 350 KLD), tota 1980 KLD), 20 KLD of ETP for the Dhobighat is separately provided to treat waste water generated from Dhobighat.				
Waste water	Location & area of the STP:	for rehab bldgat ground level, for Dhobighat Bldg at ground level , for Sale bldg. = at basement level				
	Budgetary allocation (Capital cost):	Rs. 161. 11Lakhs				
	Budgetary allocation (O & M cost):	Rs. 26.00 Lakhs				
	36.Soli	d waste Management				
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1. steel -97 tonnes -100 % will be sold for recycling,2. cement -4833 Kg- Cement waste will be used for bunding purpose, temporary plaster concrete works., 3. Sand-40 cum -Waste sand will be used for bedding for flooring purpose. It will also be used as filler material for toilets water proofing., 4.Aggregates-2180 cum-It will be used as a layer for internal roads and building boundary wall.,5.Wood-205 sq.mWill be sold for recycling, 6. tiles -5451sq.mWaste tiles will be used as china mosaic				
	Disposal of the construction waste debris:	To be Disposed as per Debris management plan at designated disposal site				
	Dry waste:	1555				
	Wet waste:	2144				
Waste generation	Hazardous waste:	nil				
in the operation Phase:	Biomedical waste (If applicable):	NA				
	STP Sludge (Dry sludge):	45 Kg/Day				
	Others if any:	Nil				
	IN O					

		Dry v	vaste:			To be managed through recyclers.								
		Wet	waste			To be proce obtained wi	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping							
Mode of	Dienosal	Haza	rdous	wast	e:	Nil								
of waste: Biomedical waste (If applicable):					Nil									
		STP 9 sludg	Sludg je):	e (Dry	y	To be used as manure								
		Othe	rs if a	ny:		Nil								
		Locat	tion(s):		at ground l	evel							
Area for th of waste & material:		for th ste & rial:	e sto othe	rage r	156.5 sq.m.	156.5 sq.m.								
		Area	for m	achin	ery:	6.00 sq.m.								
Budgetary	allocation	Capit	al cos	st:		Rs. 16.00 L	akhs						<u>`</u>	
O&M cost)	:	0&1	M cost	t:		Rs. 4.2 Lak	hs				6		×	
				3	7.Ef	fluent C	hared	cter	estic	S				
Serial Number	r Parameters		U	nit	Inlet E Charect	ffluen teresti	t c s	Ou Ch	utlet 1 arect	Efflue eresti	nt ics	Effluent discharge standards (MPCB)		
1	Not apj	oplicable Not applicable			Not ap	plicable	e	N	lot apj	plicabl	e	Not applicable		
Amount of effluent generation 20 KLD from					rom Dhobhighat Bldg.									
Capacity of the ETP: 20 KLD			LD froi	n Dhobhigha	at Bldg									
Amount of treated effluent 18 KLD														
Amount of water send to the CETP: -														
Membershi	p of CETP (if	requi	re):	-										
Note on ET	P technology	v to be	used	-		$\mathbf{\mathbf{Y}}$								
Disposal of	the ETP sluc	lge		-										
0.11				3	8.Ha	zardous	Was	te D	etai	s				
Serial Number	Descr	iption		C	at	UOM	Exist	Existing I		Proposed T		tal	Method of Disposal	
1	Not app	olicabl	e	N appli	ot cable	NotNotNotapplicableapplicableapplicable			Not applicable					
					39.S t	acks em	issio	n De	etail	5				
Serial Number	Section	& uni	ts	Ft	uel Us Qua	ed with ntity	Stack	No.	Hei fro grou level	ght m und (m)	Inte diam (n	rnal ieter n)	Temp. of Exhaust Gases	
1	Not apj	plicable	9	Ν	lot app	plicable	No applio	ot able	No applio	ot cable	N appli	ot cable	Not applicable	
				4	0.De	tails of F	^r uel t	o be	e use	d				
Serial Number	Тур	e of F	uel			Existing			Prop	osed			Total	
1	Not	applic	able		Ν	lot applicabl	е	N	lot app	licabl	е		Not applicable	
41.Source of	of Fuel				Not a	pplicable								
42.Mode of	Transportat	ion of i	fuel to	site	Not a	pplicable								
Member SEAC () Dr. B.N.Pat SEAC-II)	A otol Secretary il (Secretary	-	SEAC	C Meel	ting No No	o: 76th (Part-A) Meeting Date: prember 1, 2018 Page 29 of 66 SFAC-II)					M.M.Adtani (Chairman -II)			

		_								
	Total RG area :			Total = 306 1590.53 sq.	Total = 3061.75sq.m., on ground = 1471.22 sq.m., on podium = 1590.53 sq.m.					
43.Green Belt Development		No of trees	s to be cut	nil						
		Number of trees to be planted : List of proposed native trees :		280 nos.	280 nos.					
				as below	as below					
		or n of :	at the end of construction phase							
44.Number and list of trees species to be planted in the ground										
Serial Number	Name of	the plant	Commo	on Name	Qua	ntity	Characteristics & ecological importance			
1	Azadiracl	hta indica	Neer	n Tree	2	0	Noise reduction			
2	Michelia champaca		Piwala Sonc	Champa / hapha	2	0	Flowering			
3	Alistonia scholaris Devils		Devils tr	ee / Satvin	35		shaded			
4	Pongami	Pongamia pinnata K		ranj	15		shaded			
5	Polyalthia longifolia M		Mas	st Tree 1		5	noise reduction			
6	Cassia fistula India		Indian I	aburnum	burnum 20		shaded tree			
7	Cycas r	Cycas revoluta Ferr		Palm	1	5	ornamental			
8	Mimusoj	Mimusops elengi ba		ikul	2	0	flowering			
9	Royston	lea regia	roya	l palm	15		ornamental			
10	Barreiı race	ngtonia mosa	Samur	draphal 20		0	flowering			
11	Millingtoni	a hortensis	Indian (ork Tree 25		5	shaded			
12	Grevillea	a robusta	Silve	er oak	25		shaded			
13	Bauhinia	purpuria	Purple O	rchid Tree	ee 20		shaded			
14	Saraca	a asoca	Asho	ka tree	15		shaded			
45	5.Total qua	ntity of plan	its on grou	nd						
46.Nun	ıber and	list of sl	rubs ar	d bushes	s species	to be pla	anted in the podium RG:			
Serial Number		Name		C/C Dista	ince		Area m2			
1	Ocimur	m tenuiflorur	n	-			-			
2	Bambusa	a dendrocalm	ius	-			-			
3	Cathar	anthus roseu	S	-			-			
4	Jasmi	num sambac		-			-			
5	Passif	lora ligularis		-			-			
6	Nyctantl	hes arbortris	tis	-			-			
	47.Energy									

Power requirement: During Construction Phase: (Demand Load) 100 KVA DG set as Power back-up during construction phase 100 KVA During Operation phase (Connected load): 100 KVA During Operation phase (Demand load): 23.10Mw Transformer: operation phase: - Transformer: operation phase: - DG set as Power back-up during operation phase (Demand load): 2X 630 KVA (For Sale Bldg.), 1 x 750 KVA & 1 x380 KVA (for Rehab) O capacities for back up to emergency facility will be provided. Fuel used: HSD Details of high tension line passing through the plot if any: NA 48.Energy saving by non-conventional method:						
Power DG set as Power back-up during construction phase 100 KVA During Operation phase (Connected load): 23.10Mw During Operation phase (Demand load): 11.01Mw Transformer: - DG set as Power back-up during operation phase (Demand load): 11.01Mw Transformer: - DG set as Power back-up during operation phase: 2X 630 KVA (For Sale Bldg.), 1 x 750 KVA & 1 x380 KVA (for Rehab) O capacities for back up to emergency facility will be provided. Fuel used: HSD Details of high tension line passing through the plot if any: NA 48.Energy saving by non-conventional method:						
Power requirement: During Operation phase (Connected load): 23.10Mw During Operation phase (Demand load): 11.01Mw Transformer: - DG set as Power back-up during operation phase: 2X 630 KVA (For Sale Bldg.), 1 x 750 KVA & 1 x380 KVA (for Rehab) C capacities for back up to emergency facility will be provided. Fuel used: HSD Details of high tension line passing through the plot if any: NA						
Fower During Operation 11.01Mw requirement: Diving Operation 11.01Mw Transformer: - DG set as Power 2X 630 KVA (For Sale Bldg.), 1 x 750 KVA & 1 x380 KVA (for Rehab) C capacities for back up to emergency facility will be provided. Fuel used: HSD Details of high tension line passing through the plot if any: NA 48.Energy saving by non-conventional method:						
Transformer: - DG set as Power 2X 630 KVA (For Sale Bldg.), 1 x 750 KVA & 1 x380 KVA (for Rehab) C capacities for back up to emergency facility will be provided. Fuel used: HSD Details of high NA tension line passing NA 48.Energy saving by non-conventional method:						
DG set as Power 2X 630 KVA (For Sale Bldg.), 1 x 750 KVA & 1 x380 KVA (for Rehab) C capacities for back up to emergency facility will be provided. Fuel used: HSD Details of high tension line passing through the plot if any: NA 48.Energy saving by non-conventional method:						
Fuel used: HSD Details of high tension line passing through the plot if any: NA 48.Energy saving by non-conventional method:						
Details of high tension line passing through the plot if any: NA 48.Energy saving by non-conventional method:						
48.Energy saving by non-conventional method:						
Total Saving Due to LED Total Saving Due to VFD for Lift and Pump Saving Due CFL Light, Electronic Ballast along with BEE rated 5 Star equipments. Saving Due to Solar Energy Saving Due to Solar Energy						
49.Detail calculations & % of saving:						
Serial NumberEnergy Conservation MeasuresSaving %						
1 as above 3.6%						
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: Rs. 140.84 Lakhs						
O&M cost: Rs. 3.00 Lakhs						
51.Environmental Management plan Budgetary Allocation						
a) Construction phase (with Break-up):						
Serial NumberAttributesParameterTotal Cost per annum (Rs. In Lacs)						
1 Air Environemnt Dust Suppression 2.5						
2 Land Environment Site Sanitation 2.0						
3 Environmental Environmental Monitoring 15.0						

(OF. B. N. Patil)			(a by Adtani)
Member Secretary SEAC (MMR)			Colevelen
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4	EHS Disinfe				ection 1.2								
5	E	HS		Health check up				3.5					
			b) Operati	ion Pl	nas	e (wi	th Brea	k-up)):			
Serial Number	Com	omponent Descri			iption Capital cost Rs Lacs			In Operational and Maintenance cost (Rs. in Lacs/yr)					
1	water er	vironme	ent	Rain Water	Harvesting 7.0			2.0					
2	solid	waste		MS	SW			16.0			4.2		
3	water er	vironme	ent	STP &	& ETP			161.11			26.0		
4	Energ	y Saving	ſ	Energy Co	nservati	on		140.84			3.0		
5	land en	vironme	nt	landso	caping			30.0			4.0		
51.Storage of chemicals					(infl sub	an sta	nabl	e/explo s)	osiv	e/haz	zardou	s/toxic	
Description		Status	5	Location	n	Sto Car in	orage oacity MT	Maximum Quantity of Storage at any point of time in MT	Consu / Mo	Imption nth in MT	Source of Supply	Means of transportation	
Not app	licable	Not applicab	le	Not applica	able	l appl	Not licable	Not applicable	Not ap	oplicable	Not applicable	Not applicable	
52.A						her	' Info	rmation	1				
No Information Available													
53.Traffic Management													
Nos. of the junction to the main road & design of confluence:					3 no. of entry exits through 13.40 m wide DP Road which is further connected to link Road								
Nu ba		Numb basen	Number and area of basement:			2 nos. (13,645.58 sq.m.)							
		Numł podia	Number and area of podia:		2 nos.(12,666.58 sq.m.)								
		Total Parking area:		26,312.16 sq.m.									
		Area	Area per car:			27 sq.m.							
Parking	details:	Area Numb Whee appro comp autho	Area per car: Number of 2- Wheelers as approved by competent authority:			nil							
		Numb Whee appro comp autho	oer of lers a oved h etent ority:	6 4- ns py	Required = 967 Nos. Provided = 988 Nos.								
		Publi	c Tra	nsport:	nil								
		Width roads	n of a (m):	ll Internal	6 to 9 n	n							
		CRZ/ obtain	RRZ n, if a	clearance ny:	nil								
Dr. B.N.Patil (Secretary SEAC (MR) SEAC-III)			C Meeting No No	o: 76th (i vember)	Part- 1, 20	A) Mee 18	ting Date:	Pag	ne 32 Si of 66 Si	(M·M·) hri M.M.Adt EAC-II)	ani (Chairman		

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	sanjay Gadhi National Park = 3.36 km				
	Category as per schedule of EIA Notification sheet	category B, shedule 8(a)				
	Court cases pending if any	No				
	Other Relevant Informations	IT is an expansion project. previously grant EC dated 16-07-2015 (SEAC-2010/CR648/TC-2) for the construction area = 1,19,324. 82 sq.m.				
	Have you previously submitted Application online on MOEF Website.	Yes				
	Date of online submission	12-01-2018				
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS				
Environmental Impacts of the project	-					
Water Budget	-					
Waste Water Treatment	-					
Drainage pattern of the project	-					
Ground water parameters						
Solid Waste Management	-					
Air Quality & Noise Level issues	- 6					
Energy Management	-					
Traffic circulation system and risk assessment						
Landscape Plan						
Disaster management system and risk assessment	-					
Socioeconomic impact assessment	-					
Environmental Management Plan	-					
Any other issues related to environmental sustainability	-					
Brief information of the project by SEAC						

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Environment Clearance for Application for grant of environmetal clearance of proposed SRA scheme at CTS No. 307/66A of village Valnai, Link Road, Malad (E), Mumbai by Mr Priyal K. Patel

Representative of PP was present during the meeting along with environmental consultant Mr. H.K. Desai, Enviro Analysts & Engineers Pvt. Ltd.,

PP informed that, the project has received EC earlier vide Letter dated 14-08-2011 & amended on 16-07- 2015 for 6 buildings (5 Rehab buildings & 1 Sale building) with total construction area of 1,19,324. 82 sq.m. PP further informed that, there is expansion in the project due to Dhobi ghat reservation. The revised project was first appraised in 60th SEAC-II meeting where in the proposal consists of addition of 1 Dhobhighat building & Dhobi ghat Housing Bldg. (G+4 Floors) & vertical expansion in sale building and amendment in the configuration in the rehab buildings with the total construction area of 1,41,826.50sq.m.

Committee noted that the project appraised in 60^{th} SEAC-II meeting was also revised. Total built up area of the project changes from 1,41,826.50sq.m. to 1,49,995.95 sq.m. also there is considerable changes in building configuration like in SRA Bldg. 5- Gr + 1 floor to Gr + 18 floor, Dhobighat & Dhobi ghat Housing Bldg G+4 Floors to G+14+15 (part) upper floors and Sale Bldg. (A,B & C)- 2 Basement + Gr. (incl. Shops) + 2Podium + fire check floor + fire check floor+37th Resi. Floors to 2 Basement + Gr. (incl. Shops) + 2 Podium + 1st - 18th Res. Floors + service floor + fire check floor + 19th - 37th Resi. Floors. Committee asked PP to come with full potential of the project along with compliance of following points.

DECISION OF SEAC

After deliberation, Committee decided to consider the proposal afresh hence, deferred.

Specific Conditions by SEAC:

PP to submit & upload acknowledgement copy for plan submitted for full potential to local planning authority.
 PP to upload revised CS for full potential.

3) PP to follow environmental norms for Dhobi ghats.

FINAL RECOMMENDATION

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



Agenda of 76th (Part-A) Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76th (Part-A) Meeting Date November 1, 2018

Subject: Environment Clearance for Runwal Forests At Plot bearing CTS No. 596, 596/1-6, 597, 597/1-7, 598, 598/1-3, 599A, 599A/1-81, 601, 602, 602/1-9, 603, 604, 605, 605/1-17, 606, 606/1-83, 607A, 607/1-31 and 607D of Village – Kanjur, Mumbai Proposed by M/s Wheelabrator Alloy Castings Ltd.

Is a Violation Case: No						
1.Name of Project	Runwal Forests					
2.Type of institution	Private					
3.Name of Project Proponent	M/s Wheelabrator Alloy Castings Ltd.					
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.					
5.Type of project	residential project					
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	yes. Environmental Clearance dated 26th Dec, 2014.					
8.Location of the project	At Plot bearing CTS No. 596, 596/1-6, 597, 597/1-7, 598, 598/1-3, 599A, 599A/1-81, 601, 602, 602/1-9, 603, 604, 605, 605/1-17, 606, 606/1-83, 607A, 607/1-31 and 607D of Village – Kanjur, Mumbai					
9.Taluka	kurla					
10.Village	kanjur					
Correspondence Name:	Subodh Runwal					
Room Number:	Runwal Omkar Esquare, 5th Flr., Eastern Express Highway Opp. Sion-Chunabhatti Signal Sion (East), Mumbai - 400 022					
Floor:	Runwal Omkar Esquare, 5th Flr., Eastern Express Highway Opp. Sion-Chunabhatti Signal Sion (East), Mumbai - 400 022					
Building Name:	Runwal Omkar Esquare, 5th Flr., Eastern Express Highway Opp. Sion-Chunabhatti Signal Sion (East), Mumbai - 400 022					
Road/Street Name:	Runwal Omkar Esquare, 5th Flr., Eastern Express Highway Opp. Sion-Chunabhatti Signal Sion (East), Mumbai - 400 022					
Locality:	Runwal Omkar Esquare, 5th Flr., Eastern Express Highway Opp. Sion-Chunabhatti Signal Sion (East), Mumbai - 400 022					
City:	Runwal Omkar Esquare, 5th Flr., Eastern Express Highway Opp. Sion-Chunabhatti Signal Sion (East), Mumbai - 400 022					
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)					
	IOD Concession plan					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CE/1375/BPES/AS					
	Approved Built-up Area: 153125					
13.Note on the initiated work (If applicable)	construction works started as per previous EC					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA					
15.Total Plot Area (sq. m.)	61665.60					
16.Deductions	14391.97					
17.Net Plot area	42546.27					
	a) FSI area (sq. m.): 153125.63					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): 174647.84					
	c) Total BUA area (sq. m.): 327773.47					
10 (b) Approved Devilter	Approved FSI area (sq. m.): 153125					
DCR	Approved Non FSI area (sq. m.): 174647.84					
	Date of Approval: 05-05-2017					
19.Total ground coverage (m2)	2629					

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20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) 16.18%

21.Estimated cost of the project 8470000000

22.Number of buildings & its configuration

Serial	Duildin	a Nomo S.	umbor	Nin	mbor of floors	Usight of the building (Mtree)				
number	Buildin	ig Name & I	lumber	NU	mber of floors	Height of the building (Mtrs)				
1		1		3B + G +	- P1 +40 flr + 1 Fire Check Flr	-				
2		3		3B + G +	- P1 +40 flr + 1 Fire Check Flr	-				
3		4		3B + G +	- P1 +38 flr + 1 Fire Check Flr					
4		5-7		3B + G +	- P1 +36 flr + 1 Fire Check Flr					
5		8		3B + G +	- P1 +47 flr + 2 Fire Check Flr					
6		9		3B + G +	- P1 +47 flr + 2 Fire Check Flr	<u> </u>				
7		10		3B + G +	P1 + 32 flr + 1 Fire Check Flr	-				
8		11		· P1 + 31 flr + 1 Fire Check Flr	-					
23.Number tenants an	r of d shops	2036 Units			0					
24.Number expected r users	r of esidents /	10574 Nos.	10574 Nos.							
25.Tenant per hectar	density e	333.77 Nos. Per Hectare.								
26.Height building(s)	of the									
27.Right o (Width of t from the n station to t proposed h	f way the road earest fire the puilding(s)	30.5 mt. Ex	sting LBS 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 (J (s) if any	Existing str	ucture has been	demolish	ned as per previous EC					
30.Details of the demolition with disposal (If applicable)		It has been	complied as per	previous	EC					
			31.Pro	oduct	ion Details					
Serial Number	Pro	duct	Existing (M	T/M)	Proposed (MT/M)	Total (MT/M)				

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1	Not apj	plicable	Not app	plicable	Not app	olicable	N	lot applicabl	e			
		3	32.Tota	l Wate	r Requi	iremen	t					
		Source of	water	MCGM								
		Fresh wate	er (CMD):	980 KLD (In	ncl. Swimmir	ng Pool) will	be sourced f	rom MCGM				
		Recycled w Flushing (vater - CMD):	479 KLD								
		Recycled w Gardening	vater - (CMD):	150 KLD								
		Swimming make up (pool Cum):	make up wa	ater							
Dry seasor	1:	Total Wate Requireme :	er ent (CMD)	1459 KLD								
		Fire fightin Undergrou tank(CMD	ng - Ind water):	1062 CUM				5				
Fire fighting - Overhead water tank(CMD):						¢.						
		Excess trea	ated water	452 KLD			3					
		Source of	water	MCGM/RW	H							
		Fresh wate	er (CMD):	556 KLD will be sourced from MCGM. 411 KLD will be met from RWH.								
		Recycled v Flushing (vater - CMD):	479 KLD								
		Recycled v Gardening	vater - (CMD):	0 KLD								
		Swimming make up (pool C um):	make up water								
Wet seaso	1:	Total Wate Requireme :	er ent (CMD)	1459 KLD								
		Fire fightin Undergrou tank(CMD	ng - Ind water):	1062 CUM								
		Fire fightin Overhead tank(CMD	ng - water):	as per requ	irement							
		Excess trea	ated water	602 KLD								
Details of pool (If an	Swimming y)	make water	shall be tak	en from corp	ooration							
	2	3	3.Detail	s of Tota	l water c	onsume	d					
Particula rs	Cons	sumption (C	CMD)		Loss (CMD)		Ef	fluent (CM	D)			
Water Require ment	Existing	Proposed	Total	Existing Proposed Total Existing		Existing	Proposed	Total				
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			

	Level wate	l of the Ground r table:	5 m						
	Size tank Quan	and no of RWH (s) and ntity:	411 CuM						
	Loca tank	tion of the RWH (s):	Below Ground (2 & 3basemer	nt)					
34.Rain Water Harvesting	Quan pits:	ntity of recharge	NA						
(RWH)	Size :	of recharge pits	NA						
	Budg (Cap	jetary allocation ital cost) :	75 lakhs						
	Budg (0 &	jetary allocation M cost) :	7.5 Lakhs per annum						
	Detai if any	ils of UGT tanks y :	domestic flushing tanks has be Fire UG tank Capacity : 1062 p	een provided m3					
	Natu drain	ral water nage pattern:	as per natural slope						
35.Storm water drainage	Quan wate	ntity of storm r:	4.15 Cum /sec	5					
	Size	of SWD:	450 mm to 900mm wide storm water drains .						
	•								
	Sewa in KI	ge generation LD:	1238 m3/day						
Courses and	STP	technology:	MBBR						
	Capa (CMI	city of STP D):	1238 m3/day						
Waste water	Loca the S	tion & area of STP:	Below Ground						
	Budg (Cap	jetary allocation ital cost):	80 lakhs						
	Budg (0 &	jetary allocation M cost):	8 lakhs per annum						
	C	36.Soli	d waste Managen	nent					
Waste generation in the Pre Construction	Wast	e generation:	Excavation material- Shall be steel- Shall be sold to recycler Flooring/Tiling/Dado- Tiles sha proofing of terraces Empty F recycler Empty cement bags- S	used in level , Waste Bloc all be used fo Paint cans – Shall be han	ing and backfilling, Scrap ek - Shall be used for paving, or china mosaic water Shall be handed over to ded over to recycler				
and Construction phase:	Dispo const debri	osal of the truction waste is:	Excavation material- Shall be used in leveling and backfilling, Scrap steel- Shall be sold to recycler, Waste Block - Shall be used for paving, Flooring/Tiling/Dado- Tiles shall be used for china mosaic water proofing of terraces Empty Paint cans - Shall be handed over to recycler Empty cement bags- Shall be handed over to recycler						
	Dry v	waste:	1844 kg/day						
	Wet	waste:	2767 kg/day						
Waste generation	Haza	rdous waste:	-						
in the operation Phase:	Biom appli	nedical waste (If icable):	Not applicable						
	STP sludg	Sludge (Dry ge):	approx. 20 kg/day						
I Member Spritte	Othe	rs if any:	-						
Server Secretary Dr. B.N.Patil (Secretary SEAC (Meeting No: 76th (Part-A) Meeting Date: November 1, 2018					Shri M.M.Adtani (Chairman SEAC-II)				

Dry wast				Handed over to authorize recycler.					
		Wet waste	•	Will be treated in OWC to get manure.					
		Hazardous	waste:	shall be disposed as per CPHEEO rules, if generated					
Mode of Di of waste:	isposal	Biomedica applicable	l waste (If):	NA					
		STP Sludg sludge):	e (Dry	shall be ulti	imately t	taker	n as manure		
		Others if a	ny:	-					
		Location(s):	: On Ground	: On Ground				
Area for t of waste & material:		Area for th of waste & material:	ne storage other	total area o	f - OWC	256	sq.mt		
		Area for m	achinery:	total area o	f - OWC	256	sq.mt		
Budgetary al	llocation	Capital cos	st:	30 lakhs					5
(Capital cost O&M cost):	t and	O & M cos	t:	10 lakhs pe	r annum	1			
			37.Ef	fluent C	harect	tere	estics		
Serial Number	Paran	neters	ers Unit		ffluent cerestics	S	Outlet I Charect	Effluent erestics	Effluent discharge standards (MPCB)
1	Not app	olicable	Not applicable	Not ap	plicable		Not app	olicable	Not applicable
Amount of effluent generation Not applic				pplicable					
Capacity of the ETP: Not applic			Not applica	ble					
Amount of treated effluent Not applic			Not applica	lble					
Amount of wa	ter send to	the CETP:	Not applica	ble	5				
Membership o	of CETP (if	require):	Not applica	lble					
Note on ETP t	technology	to be used	Not applica	pplicable					
Disposal of the	e ETP slud	lge	Not applica	ble					
			38.H a	zardous	Wast	e D	etails		
Serial Number	Descri	iption	Cat	UOM	Existi	ng	Proposed	Total	Method of Disposal
1	Not app	olicable	Not applicable	Not applicable	Not applica	: able	Not applicable	Not applicable	Not applicable
			39.S	tacks em	ission	ı De	etails		
Serial Number	Serial Number Section & units Qua		Fuel Us Qua	ed with ntity	Stack 1	No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not app	olicable	Not ap	plicable	Not applica	t able	Not applicable	Not applicable	Not applicable
			40.De	tails of F	uel to	o be	e used		
Serial Number	Тур	e of Fuel		Existing			Proposed		Total
1	Not	applicable	1	Not applicabl	е	N	lot applicabl	е	Not applicable
41.Source of H	Fuel		Not a	pplicable					
42.Mode of Tr	ransportati	ion of fuel to	site Not a	pplicable					

	(Br. S. N. Patil) Member Secretary SEAC (MMR)			(M. M. Adtani)
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		Total RG a	rea :	19781.08 S	q.m				
		No of trees	s to be cut	as per tree	as per tree NOC				
43.Gree	n Belt	Number of be planted	f trees to	as per tree	as per tree NOC				
Development		List of pro native tree	List of proposed native trees :		all be endemic in n	ature			
Timeline for completion of plantation :			till complet	ion of project					
	44.Nu	mber and	l list of	trees spe	cies to be pla	nted in the ground			
Serial Number	Name of	the plant	Comm	on Name	Quantity	Characteristics & ecological importance			
1	Putranjiva	roxburghii	Putr	a jeeva	as per tree no	c endemic tree			
2	Madhuc	ca indica	m	ahua	as per tree no	c endemic tree			
3	Lagers flosre	stromia eginae	tar	nhan	as per tree no	c endemic tree			
4	Azadiracl	hta indica	n	eem	as per tree no	c endemic tree			
45	.Total quai	ntity of plar	ts on grou	ınd					
46.Num	nber and	list of sl	nrubs aı	nd bushes	s species to b	e planted in the podium RG:			
Serial Number		Name		C/C Dista	ince	Area m2			
1		NA		NA		NA			
				47.E	nergy				
		Source of p supply :	power	MSEDCL	7				
		During Co Phase: (De Load)	During Construction Phase: (Demand Load)		kva				
		DG set as l back-up du constructi	DG set as Power back-up during construction phase		may be used if required				
		During Op phase (Cor load):	eration nnected	-					
require	ver ement:	During Op phase (De load):	eration mand	6,782.26 K	6,782.26 KW				
9		Transform	er:	-					
		DG set as l back-up du operation	Power ıring phase:	shall be use	ed during emergen	уу			
		Fuel used:		LSD					
I t t		Details of I tension lin through th any:	high le passing le plot if	NA	NA				
	48.Energy saving by non-conventional method:								

Dr. B.N.Patil (Secretary SEAC-III) SEAC IMME) SEAC-III) SEAC Meeting No: 76th (Part-A) Meeting Date: November 1, 2018	Page 40 of 66	(M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)
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power saving measures has been adopted details has been given in EIA								
49.Detail calculations & % of saving:								
Serial Number	Е	nergy Cons	ervation Me	easures		Saving %		
1		overall s	aving - 22.9	%		0	verall saving - 22.9 %	
		50	.Details	of pollut	ion c	control Syste	ems	
Source	Ex	isting pollu	tion contro	l system		Pro	oposed to be installed	
Not applicable		Not	applicable				Not applicable	
Budgetary	allocation	Capital cos	st:	114 Lakhs				
O&M	cost and cost):	O & M cos	t:	15 Lakhs pe	er anni	um		
51	.Enviro	onment	tal Mar	nageme	ent j	plan Budg	etary Allocation	
		a)	Construc	c tion ph a	nse (v	with Break-ı	ıp):	
Serial Number	Attri	butes	Parar	neter		Total Cost	per annum (Rs. In Lacs)	
1	Water S	Sprinkling To reduce the dispersion of du arising due to tra movement.		uce the on of dust e to traffic ment.		5		
2	Enviror Monit	nmental toring	To continuo the qua enviro paran	ously check ality of nment neters		4		
3	Health (Checkup	Periodical ensure pro for cons wor	checkup to oper health truction kers			2	
4	Site sa	nitation	To create working co si	e hygienic onditions at te			2	
5	Disinf	ection	To prevent of any of	; spreading disease			2	
		b) Operat	ion Phas	e (w	ith Break-up):	
Serial Number	Comp	onent	Descr	iption	Сар	ital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)	
1	wa	ter	rainwater l	harwesting		75	7.5	
2	solid	waste	MS	SW		30	10	
3	wa	ter	ST	ГР		80	8	
4	Ene	ergy	sav	ing		114	15	
5	landso	caping	landso	caping		1357	20.36	
51.S	torage	of che	micals	(inflan substa	nab ance	le/explosives)	ve/hazardous/toxic	

(DF. B. N. Patil) Member Secretary SEAC (MMR)			(M. M. Adtani)
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Description	Status	Location	n	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation		
Not applicable	Not applicable	Not applica	able	applicable	Not applicable	Not applicable	Not applicable	Not applicable		
		52.A	ny Ot	her Info	rmation	1				
No Information Availa	ble									
	_	53.	Traffi	c Manag	gement					
Nos. of the junction to the main road & design of confluence:		30.5 m Expres	30.5 m wide road abutting layout site which is connected to Eastern Express Highway.							
	Number basemer	and area of nt:	3 basei	ment - 3259	1 Sq.m per	basement				
	Number podia:	and area of	NA							
	Total Pa	rking area:	parking in basement							
	Area per	r car:	big car - 13.75 sq.m. small car - 10.12 sq.m.							
	Area per	r car:	big car - 13.75 sq.m. small car - 10.12 sq.m.							
Parking details:	Number Wheeler approve compete authorit	of 2- rs as d by ent y:								
	Number Wheeler approve compete authorit	of 4- rs as d by ent y:	2804							
	Public T	'ransport:	NA							
	Width o roads (n	f all Internal n):	6 meter and above							
	CRZ/ RF obtain,	Z clearance if any:	NA							
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries		NA as per ESZ notification								
	Category as per schedule of EIA Notification sheet			А						
	Court ca if any	nses pending	no							
	Other R Informa	elevant tions	Standard TOR has been granted to the proposal by MoEFCC - EAC dated 14th Aug, 2017.							



	Have subm Appli on M	you previously nitted ication online OEF Website.	Yes			
	Date subm	of online vission	17-02-2018			
SEAC	DIS	CUSSION	ON ENVIRONME	ENTAL	ASPECTS	
Environmental Impacts of the project	-					
Water Budget	Total	Water Requiremen	nt (Dry season - 1459) & (Wet s	eason - 1459))	
Waste Water Treatment	• Sew 1238	vage generation in m3/day • Location	KLD: 1238 m3/day • STP techr & area of the STP: Below Grou	nology: MBB	R • Capacity of STP (CMD):	
Drainage pattern of the project	1) Na /sec 3	tural water draina 3) Size of SWD: 450	ge pattern: as per natural slope) mm to 900mm wide storm wa	e 2) Quantity ter drains .	of storm water: 4.15 Cum	
Ground water parameters	5 m					
Solid Waste Management	Waste Excav recyc china Empt debris to rec china Empt Phase waste Mode treate gener taken the st area o	Waste generation in the Pre Construction and Construction phase: 1) Waste generation: Excavation material- Shall be used in leveling and backfilling, Scrap steel- Shall be sold to recycler, Waste Block - Shall be used for paving, Flooring/Tiling/Dado- Tiles shall be used for china mosaic water proofing of terraces Empty Paint cans - Shall be handed over to recycler Empty cement bags- Shall be handed over to recycler 2) Disposal of the construction waste debris: Excavation material- Shall be used in leveling and backfilling, Scrap steel- Shall be sold to recycler, Waste Block - Shall be used for paving, Flooring/Tiling/Dado- Tiles shall be used for china mosaic water proofing of terraces Empty Paint cans - Shall be handed over to recycler Empty cement bags- Shall be handed over to recycler 3) Waste generation in the operation Phase: • Dry waste: 1844 kg/day • Wet waste: 2767 kg/day • Hazardous waste: NA • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): approx. 20 kg/day • Others if any: NA 4) Mode of Disposal of waste: • Dry waste: Handed over to authorize recycler. • Wet waste: Will be treated in OWC to get manure. • Hazardous waste: shall be disposed as per CPHEEO rules, if generated • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): on Ground • Area for the storage of waste & other material: total area of - OWC 256 sq.mt • Area for machinery: total				
Air Quality & Noise Level issues	-		>			
Energy Management	1) Por (Dem used : (Dem phase throu meas	wer requirement: and Load) approx if required • Durin and load): 6,782.24 e: shall be used dur gh the plot if any: ures has been adop	• Source of power supply : MSE 100 kva • DG set as Power back g Operation phase (Connected 6 KW • Transformer : - • DG se ring emergency • Fuel used: LS NO 2) Energy saving by non-co oted 3) Detail calculations & %	EDCL • Durin c-up during o load): - • Du t as Power b 5D • Details o nventional m of saving: ov	ng Construction Phase: construction phase may be ring Operation phase ack-up during operation of high tension line passing nethod: power saving verall saving - 22.9 %	
Traffic circulation system and risk assessment	Nos. o site w	of the junction to t hich is connected	he main road & design of confli to Eastern Express Highway.	uence: 30.5 1	m wide road abutting layout	
Landscape Plan	Total	RG area : 19781.0	8 Sq.m.			
Disaster management system and risk assessment	Turni the w	ng radius for easy idth for the planta	access of fire tender movemen tion Minimum 9 mt	t from all arc	ound the building excluding	
Socioeconomic impact assessment	-					
Environmental Management Plan	Environmental Management Plan – (Total Cost per annum (Rs. In Lacs)) Water Sprinkling To reduce the dispersion of dust arising due to traffic movement – 5, Environmental Monitoring To continuously check the quality of environment parameters – 4, Health Checkup Periodical checkup to ensure proper health for construction workers – 2, Site sanitation To create hygienic working conditions at site – 2, Disinfection To prevent spreading of any disease - 2					
Member Secretary SEAC (MR) Dr. B.N.Patil (Secretary SEAC-II)	-	SEAC Meeting No	o: 76th (Part-A) Meeting Date: vember 1, 2018	Page 43 of 66	(M. M. Adtan) Shri M.M.Adtani (Chairman SEAC-II)	

Environment Clearance for Runwal Forests At Plot bearing CTS No. 596, 596/1-6, 597, 597/1-7, 598, 598/1-3, 599A, 599A/1-81, 601, 602, 602/1-9, 603, 604, 605, 605/1-17, 606, 606/1-83, 607A, 607/1-31 and 607D of Village - Kanjur, Mumbai Proposed by M/s Wheelabrator Alloy Castings Ltd.

Representative of PP was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt. Ltd. PP informed that, the project has received Environmental Clearance for total construction area of 2,65,942.46 Sq.m. vide letter dated 26th December 2014. Now, the project under consideration for expansion is due to additional FSI and also there are changes in building configuration of all 11 Nos. of towers. PP further stated that, there is addition of residential floors in Tower No. 1 to 9 and reduction in floors for Tower No 10 and 11. Due to this proposed expansion, the total built up area is 3,27,773.47 Sq. m. PP further informed that,TOR has been granted to the proposal by MoEFCC vide dated 14th Aug, 2017. And the total construction work done on site till date is 1,45,488.84 Sq.m, per earlier EC. The proposal was previously considered in 66th meeting of SEAC-II. PP submitted compliance report which is taken on record.

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

DECISION OF SEAC

PP has complied with the points raised in the 66th meeting of SEAC-2 hence, Committee decided to recommend the proposal for Environmental Clearance to SEIAA subject to condition that to upload copy of Concession approval given by Municipal Corporation and that condition imposed by Municipal Commissioner in concession given will continue to apply

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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



Subject: Environment Clearance for 8(a) Building & construction projects, B2 Category

Is a Violati	on Case: No						
1.Name of P	.Name of Project "Harilal Bhagwati Hospital"						
2.Type of ins	stitution	Semi Government					
3.Name of P	roject Proponent	Municipal Corporation of Greater Mumbai					
4.Name of C	onsultant	Green circle,	Inc.				
5.Type of pro	oject	Hospital proj	ect (Building & construction projects)				
6.New project/mode in existing p	ct/expansion in existing ernization/diversification roject	Redevelopme	ent Project				
7.If expansion whether envelope has been obto project	on/diversification, ironmental clearance tained for existing	Yes, EC has been obtained for existing project					
8.Location o	f the project	C. T. S. No. 2 at Borivali W	45, Village Mandapeshwar & C. T. S. No. 1 est, Mumbai	409, 1412, 1413 & 1414 of Village Eksar			
9.Taluka		Mumbai					
10.Village		Mandapeshw	ar and Eksar				
11.Area of th	ne project	MCGM					
		Layout appro	ved by B.P. (spl. cell)				
12.IOD/IOA/ Approval Nu	Concession/Plan mber	IOD/IOA/Concession/Plan Approval Number: CHE/31/B.P.(Spl. Cell)/ARC/337 Dt.22 NOV 2016					
		Approved Bu	uilt-up Area: 95266.00				
13.Note on the initiated work (If applicable) NA							
14.LOI / NO Other appro	C / IOD from MHADA/ vals (If applicable)	NA					
15.Total Plo	t Area (sq. m.)	22,276.59 m ²	2				
16.Deduction	ns	1,771.17 m2					
17.Net Plot a	area	20,505.42	<u>}</u>				
10 () 7		a) FSI area (sq. m.): 69,253.03					
18 (a).Propo Non-FSI)	sed Built-up Area (FSI &	b) Non FSI area (sq. m.): 26,012.97					
		c) Total BUA area (sq. m.): 95266.00					
10 (b) Ammu	und Duilt up and to you	Approved FSI area (sq. m.):					
DCR	oved built up area as per	Approved Non FSI area (sq. m.):					
		Date of Approval:					
19.Total gro	und coverage (m2)	10, 048					
20.Ground-c (Note: Perce to sky)	overage Percentage (%) entage of plot not open	56 %					
21.Estimate	d cost of the project	3980000000					
	22.Num	ber of l	ouildings & its config	guration			
Serial number	Building Name & I	number	Number of floors	Height of the building (Mtrs)			
1	Main hospital bui	lding	Basement + Ground + 10 Floors	44.95			
2	Services building	ngs	Ground + 1	7			
3	Existing Nurses, Train	ing Centre	Basement + Ground + 10 Floors	44.95			
4	Coroners Cou	rt	Ground + 1	7			
5	Electric Substation						

(OF. B. N. Patil) Member Secretary SEAC (MMR)			(M. M. Adtani)
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23.Number	r of	Nos of Bed	s = 868								
tenants an	d shops	1105. 01 Deu	3. – 000								
24.Number expected re users	r of esidents /	13,020 Nos									
25.Tenant per hectar	density e	250/hector	0/hector								
26.Height building(s)	of the)										
27.Right of (Width of t from the n station to t proposed b	f way the road earest fire the building(s)	9 m	m								
28.Turning for easy ac fire tender movement around the excluding for the play	y radius ccess of from all building the width ntation	9 m) m								
29.Existing structure (J (s) if any	Proposed pr	coposed project is Redevelopment Project. There is existing hospital building.								
30.Details demolition disposal (I applicable)	of the with f)	Existing Building to be demolished and the Demolition waste will be handed over to Contractor for Disposal.									
	31.Production Details										
		1	31.P	roduct	ion Details						
Serial Number	Pro	duct	31.P Existing	Product	ion Details Proposed (MT/M) Total (MT/M)					
Serial Number 1	Pro Not app	duct plicable	31.P Existing	Product (MT/M) plicable	ion Details Proposed (MT/M Not applicable) Total (MT/M) Not applicable					
Serial Number 1	Pro o Not app	duct plicable 3	31.P Existing Not ap	Product (MT/M) plicable I Water	ion Details Proposed (MT/M Not applicable Requireme) Total (MT/M) Not applicable					
Serial Number 1	Pro Not apj	duct plicable 3 Source of y	31.P Existing Not app 32.Tota water	roduct (MT/M) plicable I Water Tanker Wate	ion Details Proposed (MT/M Not applicable r Requirement) Total (MT/M) Not applicable					
Serial Number 1	Pro Not ap	duct plicable 3 Source of v Fresh wate	31.P Existing Not app 32.Tota water er (CMD):	roduct (MT/M) plicable I Water Tanker Wate 514 m3/day	ion Details Proposed (MT/M Not applicable r Requirement er) Total (MT/M) Not applicable ent					
Serial Number 1	Pro Not ap	duct plicable Source of v Fresh wate Recycled v Flushing (31.P Existing Not app 32.Tota water er (CMD): vater - CMD):	roduct (MT/M) olicable I Water Tanker Wate 514 m3/day 195 m3/day	ion Details Proposed (MT/M Not applicable Requirement er) Total (MT/M) Not applicable ent					
Serial Number 1	Proc Not ap	duct plicable Source of Fresh wate Recycled w Flushing (Recycled w Gardening	31.P Existing Not app 32.Tota sater er (CMD): vater - CMD): vater - (CMD):	roduct (MT/M) olicable I Water Tanker Wate 514 m3/day 195 m3/day 26 m3/day	ion Details Proposed (MT/M Not applicable r Requirement er) Total (MT/M) Not applicable					
Serial Number 1	Proc Not app	duct plicable Source of v Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (31.P Existing Not app 32.Tota water er (CMD): vater - (CMD): vater - (CMD): pool Cum):	roduct (MT/M) olicable I Water Tanker Wate 514 m3/day 195 m3/day 26 m3/day	ion Details Proposed (MT/M Not applicable Requirement er) Total (MT/M) Not applicable					
Serial Number 1 Dry season	Pro Not ap	duct plicable Source of y Fresh wate Recycled y Flushing (Recycled y Gardening Swimming make up (0 Total Wate Requirements ;	31.F Existing Not ap 32.Tota water er (CMD): vater - (CMD): vater - (CMD): vater - (CMD): er ent (CMD)	roduct (MT/M) plicable I Water Tanker Wate 514 m3/day 195 m3/day 26 m3/day NA 905 m3/day	ion Details Proposed (MT/M Not applicable Requirement er) Total (MT/M) Not applicable					
Serial Number 1 Dry season	Proc Not app	duct plicable Source of v Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (Total Wate Requirements : Fire fightin Undergrout tank(CMD)	31.P Existing Not app 32.Tota sater er (CMD): vater - (CMD): vater - (CMD): pool Cum): er ent (CMD) mg - und water):	roduct (MT/M) olicable I Water Tanker Wate 514 m3/day 195 m3/day 26 m3/day NA 905 m3/day 250 m3	ion Details Proposed (MT/M Not applicable C Requirement er) Total (MT/M) Not applicable					
Serial Number 1	Proc Not app	duct plicable Source of v Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (v Total Wate Requirements : Fire fightin Overhead v tank(CMD)	31.F Existing Not app 32.Tota water er (CMD): vater - (CMD): vater - (CMD): vater - (CMD): vater - (CMD): er ent (CMD) ent (CMD) er ent (CMD) er ent (CMD)	Product:(MT/M)(MT/M)DiscableI WaterTanker Wate514 m3/day195 m3/day26 m3/dayNA905 m3/day250 m3210 m3	ion Details Proposed (MT/M Not applicable r er) Total (MT/M) Not applicable					

Source of water			Tanker Water								
		Fresh wate	er (CMD):	514 m3/day	7						
		Recycled v Flushing (vater - CMD):	195 m3/day							
		Recycled v Gardening	vater - (CMD):	0							
Swimming pool make up (Cum):			r pool Cum):	NA							
Wet season: Total Water Requirement (CMD) :		879 m3/day									
		Fire fightin Undergrou tank(CMD	ng - ınd water):	250 m3							
		Fire fightin Overhead tank(CMD	ng - water):	210 m3				5			
		Excess trea	ated water	216.5 m3/d	ay						
Details of pool (If an	Swimming y)	NA				C					
		3	3.Detail	s of Tota	l water o	onsume	d				
Particula rs	Cons	sumption (C	CMD)		Loss (CMD)	0	Ef	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 water table	e Ground e:	As per geo- hydrological survey report							
		Size and n tank(s) an Quantity:	o of RWH d	1 no. of 250 m3							
		Location o tank(s):	f the RWH	Below Ground							
34.Rain V	Vater	Quantity o pits:	f recharge	07 Nos.							
Harvestin (RWH)	ng	Size of rec :	harge pits	3 m x 3 m x 1.5 m							
	Sy	Budgetary (Capital co	allocation ost) :	Rs.18 Lakh	S						
		Budgetary (O & M cos	allocation st) :	Rs.1.45 Lak	xhs/Annum						
		Details of if any :	UGT tanks	i. Domestic ii. Drinking iii. Flushing iv. U. G. Fir	Water tank Water tank g tank Capac re tank capac	Capacity: 69 Capacity: 47 ity: 32.55 m3 city: 250 m3	.44 m3 .74 m3 3				



	Natural water drainage pattern:	As per gravity					
drainage	Quantity of storm water:	0.754 cum/sec					
	Size of SWD:	750 mm					
	Sewage generation in KLD:	558					
	STP technology:	MBR technology					
Sowage and	Capacity of STP (CMD):	1 No. of 575 m3/day					
Waste water	Location & area of the STP:	Below Ground					
	Budgetary allocation (Capital cost):	Rs. 240 Lakhs					
	Budgetary allocation (O & M cost):	Rs.19.2 lakhs / Annum					
	36.Soli	d waste Management					
Masta gaparation in	Waste generation:	35 Kg/day					
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorized vendor.					
	Dry waste:	1,985 kg/day					
Ī	Wet waste:	1,324 kg/day					
Waste generation	Hazardous waste:	spent oil or oil grease for DG sets paints etc.					
in the operation Phase:	Biomedical waste (If applicable):	1945 kg/day					
	STP Sludge (Dry sludge):	28 kg/day					
	Others if any:	NA					
	Dry waste:	Handed over to MCGM for further handling and disposal.					
	Wet waste:	Handed over to MCGM for further handling and disposal.					
	Hazardous waste:	Handed over to authorized Vendor					
Mode of Disposal of waste:	Biomedical waste (If applicable):	The biomedical waste will be collected as per different Categories in the different color coded bags and handed over to MCGM as per the Biomedical Waste Handling Rule.					
C V	STP Sludge (Dry sludge):	Will be used as manure for gardening					
	Others if any:	NA					
	Location(s):	Near DG room					
Area requirement:	Area for the storage of waste & other material:	For Bio-medical waste: 9 Sq.m, For Dry Waste: 9 Sq. m & For Wet waste: 9 Sq. m					
	Area for machinery:	NA					
Budgetary allocation	Capital cost:	NA					
O&M cost):	O & M cost:	NA					
	37.Ef	fluent Charecterestics					

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Serial Number	Paran	neters	Unit	Inlet E Charect	ffluent cerestics	5	Outlet Effluent Charecterestics			nt cs	Effluent discharge standards (MPCB)
1	р	Η	- 6.0 - 8.5				5.5 -	- 9.0		6.5 - 9.0	
2	Oil &	Grease	mg/L 10 - 20				<	10		10	
3	В	DD	mg/L 200 – 250			< 10				10	
4	C	DD	mg/L 350 - 450				<	60		50	
5	T	SS	mg/L	150 -	- 200			<	10		20
Amount of e (CMD):	effluent gene	eration	85								
Capacity of	ty of the ETP: 145										
Amount of t recycled :	reated efflu	ent	Not applica	able							
Amount of v	vater send t	o the CETP:	Not applica	able							
Membershi	p of CETP (ii	f require):	Not applica	able							
Note on ET	P technology	y to be used	ASP								
Disposal of	the ETP sluc	lge	Handed ov	er to authoriz	zed vend	lor fo	or dispo	osal			7
			38.Ha	azardous	Wast	e D	etail	s			
Serial Number	Descr	iption	Cat	UOM	Existi	ng	Propo	osed	То	tal	Method of Disposal
1	Use	d oil	5.1	5.1 Litres/year			20	0	20	00	Handed over to authorized Vendor
			39.S	tacks em	ission	De	etails	3			
Serial Number	Section	& units	Fuel Us Qua	Fuel Used with Quantity Stack No.				Height from ground level (m)			Temp. of Exhaust Gases
1	DG set: 3 K	No. x 2000 VA	240 Li	itres/hr	3 Nos	s.	35	35 0.150		50	180 oC
			40.De	tails of F	^r uel to) be	e use	d			
Serial Number	Тур	oe of Fuel		Existing			Proposed			Total	
1		Diesel		0 240 Litres/hr 240 I			240 Litres/hr				
41.Source o	f Fuel		Loca	Local Market							
42.Mode of	Transportat	ion of fuel to	site Road	Transport							
		Total RG a	roa ·	5 103 07 m	2						
	CY	No of tree	s to be cut	31	4						
43.Gree	n Belt	· Number o be planted	f trees to l :	Nos. of exis	ting tree transpla	es: 16 nted	62, Nos : 52	s. of t	rees to	be re	tained: 79 & Nos. of
Develop	ment	List of pro	posed es :	Karanja, Ba	ıdam, Sh	levga	a, Ashol	ka eto	2.		
		Timeline f	or n of	Two years							
		plantation	:								
	44.Nu	mber an	d list of t	trees spe	cies to	o be	e pla	nteo	l in t	the g	jround
Serial Number	Name of	the plant	Commo	on Name	(Quar	ntity		Cha	aracte	eristics & ecological importance
Dr. B.N.Pat SEAC-II)	A N. Patil) Secretary il (Secretary	sea	C Meeting No: 76th (Part-A) Meeting D				Date:	Pa	ge 49 of 66	() Shri l SEAC	y. M. Adtani) M.M.Adtani (Chairman -II)

1	Samanea saman Rain tree		1	The root decoction is used in hot baths for stomach cancer in Venezuela. Rain Tree is a traditional remedy for colds, diarrhea, headache, intestinal ailments and stomachache
2	Tamarindus indica	Tamarind Tree	3	The tamarind tree produces edible, pod-like fruit which is used extensively in cuisines around the world
3	Peltophorum pterocarpum	Paltophorum Tree	5	The tree is widely grown in tropical regions as an ornamental tree, particularly in India the foliage is used as a fodder crop.
4	Saraca asoca	Ashoka Tree	47	Capsules and ointments prepared from Ashok tree can be used as a natural supplement of great benefit to treat irritations and burning sensation in the skin and complexion
5	Mangifera indica	Mango Tree	25	The tender leaves of the mango tree are considered useful in diabetes
6	Caryota urens	Fishtail Tree	1	Solitary fishtail palm is cultivated both for its products and as an ornamental.
7	Caryota urens	Fishtail Tree		Solitary fishtail palm is cultivated both for its products and as an ornamental.
8	-	Sandpaper Tree	1	Used for medicinal purpose
9	Cocos nucifera	Coconut Tree	10	Every part has a use, including the fruits, wood, and leaves
10	Pithecellobium dulce	Vilayti Chinch Tree	1	Used as food & Medicine
11	Pongamia pinnata	Karanja Tree	4	Karanja is an important Ayurvedic medicine, used predominantly in skin diseases
12	Michelia champaca	Chaffa Tree	1	Used for medicinal purpose
13	Moringa oleifera	Shevga Tree	1	Used for medicinal purpose
14	Artocarpus heterophyllus	Jackfruit Tree	8	The leaves of jackfruit tree are useful for curing fever, boils and skin diseases. When heated, they prove useful in curing wounds
15	Syzygium cumini	Jamun Tree	3	Used for medicinal purpose
16	Cocos nucifera	Taad Tree	3	Providing shade
17	Terminalia catap	Badam Tree	4	Used as food & Medicine
18	Ficus racemosa	Umber Tree	2	Used for medicinal purpose
19	Ficus religiosa	Peepal Tree	2	Used for medicinal purpose applied in eyes for eye pain
20	Psidium guajava	Peru Tree	2	Used as a food & Medicinal purpose
21	-	Jungali Grewia Tree	1	Used for Medicinal purpose
22	Manilkara zapota	Chiku Tree	1	Used as a food & Medicinal purpose

23	Trema orientalis Trema		a Tree	1	l	The wood is suitable for paper and pulp production			
24	Trema c	orientalis	Trema	a Tree	1	L	The wood is suitable for paper and pulp production		
25	Latania loddigesii Fan		Fan pa	lm Tree	1	L	Providing shade		
26	Araucaria columnaris X- Ma		X- Ma	s Tree	1	L	-		
45	.Total qua	ntity of plants	n grou	nd					
46.Num	ber and	list of shru	bs an	d bushes	s species	to be pl	anted in the podium RG:		
Serial Name Name		C/C Dista	nce		Area m2				
1		NA		NA			NA		
				47.EI	nergy				
		Source of pow supply :	er	Tata Power			S.		
		During Const Phase: (Dema Load)	uction nd	150 KW			0,		
		DG set as Pow back-up durin construction	1 No. x 200	KW					
		During Opera phase (Conne load):	tion ted	2,938.48 KV	2,938.48 KW				
Pov require	ver ement:	During Operation phase (Demand load):		898.54 KW					
		Transformer:		Outoor type KV/0.415 K	e with OLTC V voltage lev	& RTCC, Dr els low loss	y type transformer having 11 type with rating of 2000 KVA		
		DG set as Power back-up during operation phase:		3 Nos. x 2000 KVA					
		Fuel used:		Diesel					
		Details of hig tension line p through the p any:	assing lot if	NA					
		48.Energ	y savi	ng by no	n-conven	tional m	nethod:		
 Use of LE Use of La Use of tin Use of VE capacitor 	ED fixtures is mp ner sensor 7D driven hy s for commo	n all aras of hosp odropneumatic p on area load	ital com umbing	pared to T8 , systems,LIF	/ CFL lamps TS and HVAC	C @ 25% mir	ıimum		
-		49.1	etail	calculati	ons & %	of savin	d:		
Serial Number	E	nergy Conserv	tion M	easures			Saving %		
1	By using hydropi	g LED fixtures, t neumatic plumbi	me sens ng syste	or, VFD driv ms, capacito	or, VFD driven 27.47 %				
		50.D	tails	of pollut	ion conti	rol Syste	ms		
Source	E	Existing pollution	n contr	ol system		Pro	posed to be installed		
	Linding pontation control system								

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Wastewater Sewage generation from users & effluent from Lab and washing	:	Ν	lot applicable		STP for sewage treatment & ETP for effluent from lab & washing						
Air emission: DG set		Not applicable					Ad	lequate s	stack height		
Solid waste		Ν	lot applicable			Proper col	lection	, segrega disposa	ation, handli al facility	ng, storage and	
Budgetary	allocation	Capital c	ost:	Rs. 60 L	akhs						
O&M	cost):	0 & M co	ost:	Rs. 3 La	lkhs/annui	n					
51	.Envir	onmer	ital Mar	nager	nent j	plan Bı	udgo	etary	Alloca	ation	
		a)) Construc	c tion p	hase (with Bre	ak-u	p):			
Serial Number	Attri	ibutes	Parai	neter		Total	Cost p	er annu	m (Rs. In I	acs)	
1	Dust ge	eneration	Water f Suppr	for Dust ression				5			
2	Workers	Workers/labourers Site San Saf				8					
3	Air, wa	ter, noise	Enviror Monit	nmental toring		5					
4		-	Disinf	ection				4			
5	All re para	elevant meters	Health C	Check up		3					
]	b) Operat	ion Ph	ase (w	ith Brea	k-up)):			
Serial Number	Comj	ponent	Descr	Description Cap		Capital cost Rs. In Op Lacs			Operational and Maintenance cost (Rs. in Lacs/yr)		
1	Wast	ewater	STP	STP Cost		240	19.2				
2	Solid	waste	Solid Manag	Waste Jement		8.0			2.0		
3	Gree	n area	Green develo	n Belt opment		40.0			2.0		
4	Groundwa	ter recharg	e Rain water	harvesti	ng	18		1.45			
5	En	ergy	equip	ments		60		3.0			
6	Air, water	r, noise, soil	Enviror monit	nmental toring		-			3.0		
51.S	torage	e of ch	emicals	(infla	amab stance	le/expl es)	osiv	e/haz	zardou	s/toxic	
Descrip	cription Status Location			Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consu / Mo N	imption nth in MT	Source of Supply	Means of transportation		

tor. B. N. Patil) Member Secretary			(M. M. Adtani)
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Not applicable	Not applicable	Not applicable		Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			
		52.A	ny Ot	ny Other Information							
No Information Available											
53.Traffic Management											
Nos. of the junction to the main road & design of confluence: 5 Nos.											
	Number basemer	and area of nt:	1 No. c	of 7,180 m2							
	Number podia:	and area of	NA								
	Total Pa	rking area:	4,200 \$	Sq. m							
	Area per	car:	28.76 \$	Sq. m							
	Area per	car:	28.76 9	sq. m			7				
Parking details:	Number Wheeler approve compete authorit	of 2- is as d by ent y:	NA			100.					
	Number Wheeler approve compete authorit	of 4- s as d by ent y:	146 No	146 Nos.							
	Public T	ransport:	Bus stop & Auto Rickshaw stand near Entry Gate								
	Width of roads (n	f all Internal 1):	6 m								
	CRZ/ RR obtain, i	Z clearance f any:	NA								
	Distance Protecte Criticall areas / H areas/ in boundar	e from ed Areas / y Polluted co-sensitive ater-State ies	NA								
	Category schedule Notifica	y as per e of EIA tion sheet	'B' sch	edule 8 (a)							
	Court ca if any	ses pending	NA								
	Other Ro Informa	elevant tions	NA								
	Have you submitte Applicat on MOE	u previously ed ion online F Website.	y Yes								
	Date of online submission16-04-2016										
SEAC	DISC	USSION	ON	ENVIR	ONME	ENTAL A	SPECT	S			

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

SEACH



Environment Clearance for 8(a) Building & construction projects, B2 Category at C. T. S. No. 245, Village Mandapeshwar & C. T. S. No. 1409, 1412, 1413 & 1414 of Village Eksar at Borivali West, Mumbai by Municipal Corporation of Greater Mumbai (Bhagwati Hospital).

Representative of PP was present during the meeting along with environmental consultant Green circle, Inc. PP informed that the project under consideration is redevelopment project and proposed development is for hospital with 868 beds.

PP informed that, the project was considered in 49th SEAC-2 meeting held in August, 2016 & the proposal recommended to SEIAA subject to compliance of conditions. The project was considered by SEIAA & refer back to committee.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, PP & Environment Consultant has not revised the consolidated Statement (CS) & also not uploaded as directed by SEIAA. PP to upload the revised CS.

2) PP has not submitted the compliance for point 1 i.e "PP to submit demolition & debris disposal /waste management plan". PP to submit & upload the same.

3) PP has not submitted again the biomedical waste disposal plan & authorisation from MPCB. Also not submitted membership status with the disposal facility. PP to submit the same.

4) PP to upload agreement copy with SMS agency.

5) PP agreed to treat laboratory effluent in etp OF 145 M3/DAY and domestic waste with STP of 575 M3/DAY capacity.6) PP to submit & upload ETP/STP locations on ground and on layout.

7) PP to ensure that treated waste water & waste from ETP should be disposed of scientifically with the permission of MPCB as per biomedical waste rule.

 ${\bf 8)} \ {\rm PP} \ {\rm to} \ {\rm submit} \ {\rm \&} \ {\rm upload} \ {\rm the} \ {\rm detail} \ {\rm energy} \ {\rm calculation} \ {\rm \&} \ {\rm saving}$

9) PP to provide solar heater for hot water. PP to submit the details.

10) EMP/DMP should be uploaded.

11) PP to submit & upload RG calculations.

12) PP to upload CFO NOC with respect to new construction.

13) PP to revise and submit evacuation time statement.

FINAL RECOMMENDATION

 $\ensuremath{\mathsf{SEAC}}\xspace{\mathsf{II}}$ decided to defer the proposal. Kindly find $\ensuremath{\mathsf{SEAC}}\xspace$ decision above.



Subject: Environment Clearance for 8(a) Building & construction projects, B2 Category

Is a Violation Case: No										
1.Name of P	roject	"M. M. Malvi	ya Shatabdi Hospital "							
2.Type of ins	stitution	Semi Governi	ment							
3.Name of P	roject Proponent	Municipal Corporation of Greater Mumbai (MCGM)								
4.Name of C	onsultant	Green Circle, Inc.								
5.Type of pro	oject	Hospital Project								
6.New project project/mode in existing p	ct/expansion in existing ernization/diversification roject	Amendment in Environmental clearance								
7.If expansion whether envelopment has been obto project	on/diversification, ironmental clearance tained for existing	Yes, Environmental Clearance has been obtained for existing project (File No. SEAC-2010/CR.224/TC.1)								
8.Location o	f the project	CTS. No. 372 Village Deaor	, 371/1 at village Borla and CTS No. 301/1. har at Govandi Mumbai	A, 306, 308/A, 308/B, 307 & 309 A at						
9.Taluka		Govandi								
10.Village		Deaonar & Bo	orla							
11.Area of th	1e project	MCGM								
		Approval from	n B.P (Spl. cell)							
12.IOD/IOA/ Approval Nu	Concession/Plan mber	IOD/IOA/Concession/Plan Approval Number: CHE/43/B.P.(Spl. Cell)/AME/337 Dt.22 NOV 2016								
		Approved Bu	uilt-up Area: 70766.99							
13.Note on t applicable)	he initiated work (If	NA								
14.LOI / NOO Other approv	C / IOD from MHADA/ vals (If applicable)	NA								
15.Total Plot	t Area (sq. m.)	34,675.38 m2								
16.Deduction	ns	5201.31 m2								
17.Net Plot a	area	29,474.07 m2								
10 () D		a) FSI area (sq. m.): 53,055.27 m2								
18 (a).Propo Non-FSI)	sed Built-up Area (FSI &	b) Non FSI area (sq. m.): 17,711.72 m2								
		c) Total BUA area (sq. m.): 70766.99								
10 (b) Appro	wed Built up area as per	Approved FSI area (sq. m.):								
DCR	weu built up area as per	Approved Non FSI area (sq. m.):								
		Date of Approval:								
19.Total gro	und coverage (m2)	10820								
20.Ground-c (Note: Perce to sky)	overage Percentage (%) entage of plot not open	43								
21.Estimated	d cost of the project	3150000000								
	22.Num	ber of l	ouildings & its config	guration						
Serial number	Building Name & 1	number	Number of floors	Height of the building (Mtrs)						
1	Main hospital buildin	g x 1 No.	Basement + Ground+10 Floors	44.95						
2	Service Building x	3 Nos.	Ground	3.5						
3	Plasma centr	е	Ground +1	7						
4	Electric substat	on Ground 3.5								

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23.Number tenants an	r of d shops	862 Nos. be	eds							
24.Number expected re users	r of esidents /	1398	398							
25.Tenant per hectar	density e	300/hector	00/hector							
26.Height building(s)	of the									
27.Right of (Width of t from the n station to t proposed h	f way che road earest fire che puilding(s)	17 m								
28.Turning for easy ac fire tender movement around the excluding t for the play	y radius cess of from all building the width ntation	9 m				0015				
29.Existing structure (J s) if any	1 Building:	G + 2 Upper	r Floors with J	post mortem centre, Tot	al BUA: 36,014.57 m2				
30.Details demolition disposal (I applicable)	of the with f	NA			oor					
			31. P	roducti	ion Details					
Serial Number	Pro	luct Existing (MT/M) Proposed (MT/M) Total (MT/M)								
1			Existing	(MT/M)	Proposed (MT/M)	Total (MT/M)				
32.Total Water Requirement										
	Not apj	plicable	Not app	(MT/M) plicable I Water	Not applicable	Total (MT/M) Not applicable t				
	Not app	plicable 3 Source of	Not app 32.Tota water	(MT/M) plicable I Water MCGM wate	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
	Not app	olicable 3 Source of v Fresh wate	Not apj 32.Tota water er (CMD):	(MT/M) plicable I Water MCGM wate 487	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
	Not app	Source of v Fresh wate Recycled v Flushing (Not app 32.Tota water er (CMD): vater - CMD):	(MT/M) plicable I Water MCGM wate 487 194 m3/day	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
	Not app	Source of v Fresh wate Recycled v Flushing (Recycled v Gardening	Not apj 32.Tota water er (CMD): vater - CMD): vater - (CMD):	(MT/M) plicable I Water MCGM wate 487 194 m3/day 44 m3/day	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
	Not app	Source of Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (Not app 32.Tota water er (CMD): vater - (CMD): vater - (CMD): pool Cum):	(MT/M) plicable I Water MCGM wate 487 194 m3/day 44 m3/day NA	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
Dry season	Not app	Source of v Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (0 Total Wate Requirements	Not app 32.Tota water er (CMD): vater - (CMD): vater - (CMD): pool Cum): er ent (CMD)	(MT/M) plicable I Water MCGM wate 487 194 m3/day 44 m3/day NA 895 m3/day	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
Dry season	Not app	Source of Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (Total Wate Requirements : Fire fightin Undergrout tank(CMD	Not app 32.Tota water er (CMD): vater - CMD): vater - (CMD): pool Cum): er ent (CMD) ng - ind water):	(MT/M) plicable I Water MCGM wate 487 194 m3/day 44 m3/day NA 895 m3/day 250 m3	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				
Dry season	Not app	Source of y Fresh wate Recycled v Flushing (Recycled v Gardening Swimming make up (Total Wate Requirements : Fire fightin Overhead y tank(CMD	Not app 32.Tota water er (CMD): vater - (CMD): vater - (CMD): vater - (CMD): er ent (CMD) mg - md water): mg - water):	(MT/M) plicable I Water MCGM wate 487 194 m3/day 44 m3/day NA 895 m3/day 250 m3 210 m3	Proposed (MT/M) Not applicable Requiremen r supply	Total (MT/M) Not applicable t				

		Source of	water	MCGM water supply							
		Fresh wate	er (CMD):	487							
		Recycled w Flushing (vater - CMD):	194 m3/day							
Recycled wat Gardening (C			vater - (CMD):	0)						
		Swimming make up (pool Cum):	NA							
Wet seaso	n:	Total Wate Requireme :	er ent (CMD)	851 m3/day	7						
		Fire fightin Undergrou tank(CMD)	ng - Ind water):	250 m3							
		Fire fightin Overhead y tank(CMD)	ng - water):	210 m3				3			
		Excess trea	ated water	188 m3/day	7						
Details of pool (If an	Swimming y)	NA				C					
		3	3.Detail	s of Tota	l water o	onsume	d				
Particula rs	Cons	umption (C	CMD)		Loss (CMD)			Effluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
		Level of th water table	e Ground e:	As per geo- hydrological survey report							
		Size and n tank(s) an Quantity:	o of RWH d	1 no. of 288 m3							
		Location o tank(s):	f the RWH	Below Ground							
34.Rain V	Water	Quantity o pits:	f recharge	10 Nos.							
Harvestii (RWH)	ng	Size of rec :	harge pits	3m x 3 m x 1.5 m							
	5	Budgetary (Capital co	allocation ost) :	Rs. 30.33 L	acs						
		Budgetary (O & M cos	allocation st) :	Rs. 2.40 Lakhs / Annum							
		Details of if any :	UGT tanks	i. Domestic Water tank Capacity: 68.96 m3 ii. Drinking Water tank Capacity: 47.41 m3 iii. Flushing tank Capacity: 32.325 m3 iv. U. G. Fire tank capacity: 250 m3							

	Natural water drainage pattern:	As per gravity				
35.Storm water drainage	Quantity of storm water:	1.58 cum/sec				
	Size of SWD:	1000 mm				
	Sewage generation in KLD:	554 m3/day				
	STP technology:	MBR technology				
Sowage and	Capacity of STP (CMD):	1 No. of 575 m3/day				
Waste water	Location & area of the STP:	Below Ground				
	Budgetary allocation (Capital cost):	Rs. 210 lakhs				
	Budgetary allocation (O & M cost):	Rs. 16.8 lakhs / Annum				
	36.Solie	d waste Management				
Maste generation in	Waste generation:	35 kg /day				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorized vendor.				
	Dry waste:	172 kg/day				
	Wet waste:	259 kg/day				
Waste generation	Hazardous waste:	spent oil or oil grease for DG sets paints etc.				
in the operation Phase:	Biomedical waste (If applicable):	1933 kg/Month				
	STP Sludge (Dry sludge):	28 kg/day				
	Others if any:	ŇA				
	Dry waste:	Collected by concern authorities (MCGM) & disposed off.				
	Wet waste:	Collected by concern authorities (MCGM) & disposed off.				
	Hazardous waste:	Handed over to authorized Vendor				
Mode of Disposal of waste:	Biomedical waste (If applicable):	The biomedical waste will be collected as per different Categories in the different color coded bags and handed over to MCGM as per the Biomedical waste management rules, 2016				
C V	STP Sludge (Dry sludge):	Will be used as manure for gardening				
	Others if any:	NA				
	Location(s):	NA				
Area requirement:	Area for the storage of waste & other material:	NA				
	Area for machinery:	NA				
Budgetary allocation	Capital cost:	NA				
O&M cost):	O & M cost:	NA				
	37.Ef	fluent Charecterestics				

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Serial Number	Paran	neters	Unit		Inlet E Charect	ffluer eresti	it .cs	Outlet Effluent Charecterestics			nt .cs	Effluent discharge standards (MPCB)
1	р	Н	-		6.0 -	- 8.5		5.5 - 9.0				6.5 - 9.0
2	Oil &	Grease	mg/L	ı	10 -	- 20			<	10		10
3	BO	DD	mg/L	1	200 -	- 250			<	10		10
4	C	DD	mg/L	1	350 -	- 450			<	60		50
5	T	SS	mg/L	1	150 -	- 200			<	10		20
Amount of e (CMD):	effluent gene	eration	60									
Capacity of	the ETP:		115 m3	/day	τ							
Amount of t recycled :	reated efflue	ent	Not app	olica	ble							
Amount of v	vater send t	o the CETP:	Not app	olica	ble							
Membershi	p of CETP (ii	f require):	Not app	olica	ble							
Note on ET	P technology	y to be used	MBR Te	echn	ology							
Disposal of	the ETP sluc	lge	Will be	trea	ted through	STP						
			38.	Ha	zardous	Was	te D	etail	s			
Serial Number	Descr	iption	Cat		UOM	Exis	ting	Prop	osed	То	tal	Method of Disposal
1	Use	d oil	5.1		Litres/year	()	20	0	20)0	Handed over to authorized Vendor
			39	.St	acks em	issio	n De	etails	5			
Serial Number	Section	& units	Fue (Fuel Used with Quantity Stacl		x No.	No. Heigl groun level (Inte diam (n	rnal leter 1)	Temp. of Exhaust Gases	
1	DG set: 3 K	No. x 2000 VA	24	0 Li	tres/hr	3 N	os.	35 0.150		50	180 oC	
			40.	De	tails of F	uel	to be	e use	d			
Serial Number	Тур	oe of Fuel	Existing		Proposed				Total			
1		Diesel	0				:	240 Litres/hr				240 Litres/hr
41.Source of	of Fuel		L	ocal	Market							
42.Mode of	Transportat	ion of fuel to	o site R	oad	Transport							
		Total RG	area :		8884.21 m2	2						
	GY	No of tree	s to be c	ut	6							
43.Gree	n Belt	Number o be planted	f trees to l :	D	Nos. of Exis	sting t	rees : 2	250 , N	los. of	trees	to be t	ransplanted: 57
Develop	ment	List of pro native tre	posed es :		Neem , Bad	am, M	Mango tree etc.					
		Timeline f completio plantation	for n of		Two Years							
	44.Nu	mber an	d list o	of t	rees spe	cies	to b	e pla	nteo	l in t	the o	round
Serial Number	Name of	the plant	Com	mo	n Name		Qua	ntity		Cha	aracte	eristics & ecological importance
Dr. B.N.Pat SEAC-II)	C Meetin	g No No	o: 76th (Part- vember 1, 20	-A) Me 018	eting l	Date:	Pag	ge 60 of 66	() Shri I SEAC	M.M.Adtani M.M.Adtani -II)		

1	Samanea saman	Rain tree	-	The root decoction is used in hot baths for stomach cancer in Venezuela. Rain Tree is a traditional remedy for colds, diarrhea, headache, intestinal ailments and stomachache
2	Tamarindus indica	Tamarind Tree	-	The tamarind tree produces edible, pod-like fruit which is used extensively in cuisines around the world
3	Peltophorum pterocarpum	Paltophorum Tree	2	The tree is widely grown in tropical regions as an ornamental tree, particularly in India the foliage is used as a fodder crop
4	Saraca asoca	Ashoka Tree	27	Capsules and ointments prepared from Ashok tree can be used as a natural supplement of great benefit to treat irritations and burning sensation in the skin and complexion.
5	-	Sandpaper Tree	-	Used for medicinal purpose
6	Mangifera indica	Mango Tree	7	The tender leaves of the mango tree are considered useful in diabetes.
7	Caryota urens	Fishtail Tree		Solitary fishtail palm is cultivated both for its products and as an ornamental.
8	Azadiracta indica	Neem Tree		Neem leaf is used for leprosy, eye disorders, bloody nose, intestinal worms, stomach upset, loss of appetite, skin ulcers, diseases of the heart and blood vessels (cardiovascular disease), fever, diabetes, gum disease (gingivitis), and liver problems
9	Cocos nucifera	Coconut Tree	1	Every part has a use, including the fruits, wood, and leaves.
10	Pithecellobium dulce	Vilayti Chinch Tree	1	Used as food & Medicine
11	Pongamia pinnata	Karanja Tree	2	Karanja is an important Ayurvedic medicine, used predominantly in skin diseases.
12	Michelia champaca	Chaffa Tree	1	Used for medicinal purpose
13	Moringa oleifera	Shevga Tree	1	Used for medicinal purpose
14	Artocarpus heterophyllus	Jackfruit Tree	3	The leaves of jackfruit tree are useful for curing fever, boils and skin diseases. When heated, they prove useful in curing wounds.
15	Syzygium cumini	Jamun Tree	1	Used for medicinal purpose
16	Cocos nucifera	Taad Tree	-	Providing shade
17	Terminalia catap	Badam Tree	-	Used as food & Medicine
18	Ficus racemosa	Umber Tree	1	Used for medicinal purpose
19	Ficus religiosa	Peepal Tree	1	Used for medicinal purpose applied in eyes for eye pain
20	Psidium guajava	Peru Tree	1	Used as a food & Medicinal purpose

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21		-	Jungali	Grewia Tree	-	U	sed for Medicinal purpose			
22	Manilkaı	ra zapota	Chi	iku Tree	-	Ŭ	Jsed as a food & Medicinal purpose			
23	Trema o	orientalis	Tre	ma Tree	-	The	wood is suitable for paper and pulp production			
24	Putranjiva	roxaburghii	Putra	njiva Tree	-	Use	ed for Medicinal purpose for fever			
25	Latania l	oddigesii	Fang	palm Tree	3		Providing shade			
26	Araucaria	columnaris	X- N	las Tree	2		-			
27	Areca o	catechu	Sup	oari Tree	2	Ŭ	Jsed as a food & Medicinal purpose			
28	Abelm escul	oschus entus	Bhe	endi Tree	1	Ŭ	Jsed as a food & Medicinal purpose			
45	5.Total qua	ntity of pla	nts on gro	ound						
46.Nun	ıber and	list of s	hrubs a	nd bushes	s species to h	oe plante	d in the podium RG:			
Serial Number		Name		C/C Dista	nce		Area m2			
1		NA		NA			NA			
				47.E ı	nergy					
		Source of supply :	power	Reliance Er	nergy/DG set					
		During Co Phase: (D Load)	onstructio emand	n 3164.20 KW						
		DG set as back-up d construct	Power uring ion phase	1 No. & 200	1 No. & 200 KVÁ					
		During Oj phase (Co load):	peration onnected	7785.15 KW	7785,15 KW					
Pov require	wer ement:	During Oj phase (De load):	peration emand	and 3164.20 KW						
		Transform	Transformer: DG set as Power back-up during operation phase:		Outoor type with OLTC & RTCC,OIL type transformer having 11 KV/0.415 KV voltage levels low loss type with rating of 1500 KVA 3 Nos. x 2000 KVA					
		DG set as back-up d operation								
		Fuel used	•	Diesel						
	5	Details of tension li through t any:	high ne passing he plot if	g _{NA}						
		48.En	ergy sav	ving by no	n-conventior	nal metho	od:			
 By using LED fixtures in all areas of hospital compared to T8 / CFL lamps Savings through lamp Savings through timer / sensor Savings through use of VFD driven hydro pneumatic plumbing systems, LIFTS and HVAC @ 25 Savings through capacitors for common area load Savings due to reactive Power Control 						c @ 25% minimum				
		4	3.Detd		0115 Q /0 UI S	aviliy:				
Dr. B.N.Patil (Secretary SEAC-III)				No: 76th (Part- November 1, 20	A) Meeting Date:)18	Page 62 of 66	(M. M. Adtani) Shri M.M.Adtani (Chairman SEAC-II)			

Serial Number	E	Energy Conservation Measures					Saving %						
1	By using hydropr	g LED fixture neumatic plu	es, time sense mbing system	or, VFD drive ms, capacitor		28.56 %							
50.Details of pollution control Systems													
Source	E	xisting poll	ution contr	ol system		Pro	posed to be installed						
Wastewater Sewage generation from users & effluent from Lab and washing	:		NA			STP for sewage t	reatment & ETP for effluent from lab & washing						
Air emission: DG set			NA			А	dequate stack height						
Solid waste	1	_	NA	_		Proper collection	n, segregation, handling, storage and disposal facility						
Budgetary	allocation	Capital cos	st:	Rs. 6,36,72	,325								
O&M	cost and cost):	0 & M cos	t:	Rs. 50,93,7	86/ann	um							
51	.Enviro	onment	al Mar	nageme	ent p	olan Budg	etary Allocation						
a) Construction phase (with Break-up):													
Serial Number	Attril	butes	Parai	neter		Total Cost p	er annum (Rs. In Lacs)						
1	Dust Ge	neration	Water f Suppr	for Dust ession	k	5							
2	Workers an	nd Labours	Site San Saf	itation & Tety	-	8							
3	Air, Wate	er , Noise	Enviror Monit	nmental toring		5							
4	-	-	Disinf	ection		4							
5	All rel paran	levant neters	Health C	Check up		3							
		b) Operat	ion Phas	e (wi	th Break-up):						
Serial Number	Comp	onent	Descr	iption	Capi	ital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)						
1	Waste	ewater	STP & E	ETP Cost		210	16.8						
2	Solid	waste	Solid Manag	Waste Jement		210	6.3						
3	Green	ı area	Green develo	n Belt pment		110	4						
4	Groundwate	er recharge	Rain water	harvesting		30.33	2.40						
5	Ene	ergy	Energy equip	Efficient ments		636.72	50.94						
6	Air, water,	noise, soil	Enviror monit	nmental coring		-	3						
51.S	torage	of che	micals	(inflan substa	51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)								

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

Description	Status	Location		Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation	
Not applicable	Not applicable	Not applica	able	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
		52.A	ny Ot	her Info	rmation	1			
No Information Availa	ble								
53.Traffic Management									
	Nos. of the junction to the main road & design of confluence:		2. Nos.						
	Number basemer	Number and area of basement:		1 No. of 8243.2 m2					
Parking details:	Number and area of podia:		NA						
	Total Parking area:		4946 m2						
	Area per	Area per car:		28.30 Sq. m					
	Area per	Area per car:		28.30 Sq. m					
	Wheelers as approved by competent authority:		NA						
	Number Wheeler approve compete authorit	Number of 4- Wheelers as approved by competent authority:		144 Nos.					
	Public Transport:		Bus stop & Auto rickshaw stand near entrance gate.						
	Width of all Internal roads (m):		6 m						
	CRZ/ RR obtain, i	RZ clearance if any:	NA						
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries		NA							
	Categor schedul Notifica	y as per e of EIA tion sheet	'B2'						
	Court cases pending if any		NA						
	Other Relevant Informations		NA						

	Have you previously submitted Application online on MOEF Website.	Yes	
	Date of online submission	16-04-2016	
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS	
Environmental Impacts of the project	-		
Water Budget	-		
Waste Water Treatment	-		
Drainage pattern of the project	-		
Ground water parameters	-		
Solid Waste Management	-		
Air Quality & Noise Level issues	-		
Energy Management	-		
Traffic circulation system and risk assessment	-		
Landscape Plan	-		
Disaster management system and risk assessment	-		
Socioeconomic impact assessment	-		
Environmental Management Plan	-		
Any other issues related to environmental sustainability			
Brief information of the project by SEAC			

Dr. B.N.Patil (Secretary	SEAC Meeting No: 76th (Part-A) Meeting Date:	Page 65	(M. M. Adtani) Shri M.M.Adtani (Chairman
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Environment Clearance for 8(a) Building & construction projects, B2 Category at CTS. No. 372, 371/1 at village Borla and CTS No. 301/1A, 306, 308/A, 308/B, 307 & 309 A at Village Deaonar at Govandi Mumbai by Municipal Corporation of Greater Mumbai (MCGM)

Representative of PP was present during the meeting along with environmental consultant Green circle, Inc...

PP informed that they have received earlier EC vide letter dated 22/11/2010. However, PP informed that no construction undertaken. Now proposal is for B+G+10 flrs+3 service sections and one electric substation. Maximum height is 44.95 m.

PP informed that, the project was considered in 49th SEAC-2 meeting held in August, 2016 & the proposal recommended to SEIAA subject to compliance of conditions. The project was considered by SEIAA & refer back to committee.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, PP & Environment Consultant has not revised the consolidated Statement (CS) & also not uploaded as directed by SEIAA. PP to upload the revised CS.

2) PP has not submitted the compliance for point 1 i.e "PP to submit demolition & debris disposal /waste management plan". PP to submit & upload the same.

3) PP has not submitted again the biomedical waste disposal plan & authorisation from MPCB. Also not submitted membership status with the disposal facility. PP to submit the same.

4) PP to upload agreement copy with SMS agency.

5) PP agreed to treat laboratory effluent in etp OF 145 M3/DAY and domestic waste with STP of 575 M3/DAY capacity.

6) PP to submit & upload ETP/STP locations on ground and on layout.

7) PP to ensure that treated waste water & waste from ETP should be disposed of scientifically with the permission of MPCB as per biomedical waste rule.

8) PP to submit & upload the detail energy calculation & saving

9) PP to provide solar heater for hot water. PP to submit the details.\

10) EMP/DMP should be uploaded.

11) PP to submit & upload RG calculations.

12) PP to upload CFO NOC with respect to new construction

13) PP to revise and submit evacuation time statement.

FINAL RECOMMENDATION

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

(DF. B. N. Patil) Member Secretary SEAC (MMR)			(M. M. Adtani)
Dr. B.N.Patil (Secretary	SEAC Meeting No: 76th (Part-A) Meeting Date:	Page 66	Shri M.M.Adtani (Chairman
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