SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Proposed Residential and Commercial Project at Village Nandore Taluka & District Palghar Maharashtra

General Information:

1.Name of Project	Mahindra Happinest Palghar Project - 1, Proposed Residential and Commercial project by Mahindra Lifespace Developers Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit Anilchandra Pal (Vice-President Projects Happinest) - Mahindra Lifespace Developers Limited
4.Name of Consultant	Mahabal Enviro Engineers Private Limited, Thane, Maharashtra
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gut Number 183 (P), 183 (P) & 158, Nandore
9.Taluka	Palghar
10.Village	Nandore
11.Area of the project	Town Planning - District Collector - Palghar
12.IOD/IOA/Concession/Plan Approval Number	LOI obtained dated 01.10.2016 from Town Planning-Palghar
	IOD/IOA/Concession/Plan Approval Number: LOI obtained dated 01.10.2016 from Town Planning-Palghar
	Approved Built-up Area: 35235
13.Note on the initiated work (If applicable)	No work is initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	33,816 sq.mt.
16.Deductions	12,113 sq.mt.
17.Net Plot area	21,703 sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32,731 (Residential) + 1,691 (Commercial) = 34,422
	b) Non FSI area (sq. m.): 4,604
	c) Total BUA area (sq. m.): 39,026
19.Total ground coverage (m2)	8,820
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26%
21.Estimated cost of the project	830000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block 1	Ground + 4 Floors	14.95
2	Block 2	Ground + 4 Floors	14.95
3	Block 3	Ground + 4 Floors	14.95
4	Block 4	Ground + 4 Floors	14.95
5	Block 5	Ground + 4 Floors	14.95
6	Block 6	Ground + 4 Floors	14.95
7	Block 7	Ground + 4 Floors	14.95
8	Block 8	Ground + 4 Floors	14.95
9	Block 9	Ground + 4 Floors	14.95
10	Block 10	Ground + 4 Floors	14.95
11	Block 11	Ground + 4 Floors	14.95
12	CFC	Ground + 2 Floors	10.5

23.Number of tenants and shops	849 Tenants + 43 Shops

24.Number of expected residents / users	3,550 Residents + 147 users (Shops) = 3,697
25.Tenant density per hectare	251/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6 meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 meters
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Zilla Parishad - Water Department
	Fresh water (CMD):	326
	Recycled water - Flushing (CMD):	191
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	486
	Fire fighting - Underground water tank(CMD):	Not Applicable
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	155

Wet season:	**Source of water**	Zilla Parishad - Water Department
	Fresh water (CMD):	326
	Recycled water - Flushing (CMD):	183
	Recycled water - Gardening (CMD):	22
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	486
	Fire fighting - Underground water tank(CMD):	Not Applicable
	Fire fighting - Overhead water tank(CMD):	Not Applicable
	Excess treated water	163
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	9 meter
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	20 Numbers
	Size of recharge pits :	1.5 mt. x 1.5 mt. x 3 mt.
	Budgetary allocation (Capital cost) :	Rs.20 Lakhs
	Budgetary allocation (O & M cost) :	Rs.1 Lakh/Year
	Details of UGT tanks if any :	UGT capacity - (from Zilla Parishad Water Department) - 440 m3 Flushing Water Tank (from STP) - 250 m3

35.Storm water drainage	**Natural water drainage pattern:**	Storm Water Drains
	Quantity of storm water:	Roof + Surface = 738 cu.m/day
	Size of SWD:	(1.1 m * 0.4 m) and (0.7 m * 0.3 m) and (0.6 m * 0.3 m)

Sewage and Waste water	**Sewage generation in KLD:**	389
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. 460 KLD
	Location & area of the STP:	Besides south boundary wall, Area - 450 sq.mt.
	Budgetary allocation (Capital cost):	Rs.112 Lakhs
	Budgetary allocation (O & M cost):	Rs.4 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Top Soil - 1,177 m3
	Disposal of the construction waste debris:	All construction waste will be reused, Steel scrap will be given to Registered Recyclers
Waste generation in the operation Phase:	**Dry waste:**	351 kg/day
	Wet waste:	639 kg/day
	Hazardous waste:	No Hazardous Waste will be generated
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	3 kg/day
	Others if any:	Inert waste 75 kg/day and cutting quantity 12,294 m3
Mode of Disposal of waste:	**Dry waste:**	All dry waste will be reused, Steel scrap will be given to Registered Recyclers
	Wet waste:	Use as Manure
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as Manure
	Others if any:	Filling quantity 12,177 m3 within the project battery limit and excess 117 m3 to be donated to villagers as per requirement
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	45 sq.mt.
	Area for machinery:	15 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.24 Lakh
	O & M cost:	Rs.3 Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	3381 sq.mt.
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	243
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	8 to 12 months

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifera indica	Mango	15	Fruit bearing tree
2	Peltophorum pterocarpum	Copper pod	11	Flower bearing tree
3	Cassia fistula	Bahava	23	Medicinal Plant
4	Pongamia pinnata	Karanj	24	Flower bearing tree
5	Butea monosperma	Palas	20	Medicinal tree
6	Saraca asoca	Ashoka	15	Flower bearing shrub
7	Melaleuca viminalis	Weeping bottlebrush	15	Flower bearing plant
8	Ficus racemose	Cluster fig	15	Flower bearing tree
9	Cassia siamea	Kashid	15	Flower bearing tree
10	Bauhinia variegate	Kanchana	15	Medicinal plant
11	Polyalthia longifolia	Asupalav	15	Evergreen lofty tree
12	Jatropha curcas	Jatropa	15	Evergreen shrub
13	Lantana camara	Ghaneri	15	Insect attracting plant
14	Caesalpinia pulchinima carnea	Shankasur	15	Flower bearing plant
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	325 kVA
	DG set as Power back-up during construction phase	60 kVA
	During Operation phase (Connected load):	8724 kVA
	During Operation phase (Demand load):	2324 kVA
	Transformer:	630 kVA - 3 Numbers
	DG set as Power back-up during operation phase:	2 numbers (2 * 140 kVA)
	Fuel used:	as per requirement
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Solar panel will be used for Street Lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lights provided with energy saving luminaries like LED/T5	32

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.125 Lakh
	O & M cost:	Rs.4 Lakh per year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust suppression	pH, color, odour, tubidity, TDS, BOD, COD, O and G	1.25
2	Air and Noise monitoring	SPM, SO2 and NO2	0.2
3	Water Monitoring	pH, color, odour, tubidity, TDS	0.15
4	Site Sanitation	Disinfection	0.50
5	Gardening setup	Soil and water	0.50
6	Disinfection Pest control	Disinfection	0.20
7	First Aid Facility	First Aid Box	0.30
8	Health Checkup	weekly	1.0
9	Training and Awareness	monthly	1.0
10	Personal Protective Equipment	Ear plugs, safety shoes, helmets	0.5

11	lamp for labour hutments	CFL	0.3
12	Tanker Water for construction	Tanker water	9.6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary) and Pond	1 nos having capacity 460 KLD	112	4.0
2	Landscape Development	Cutting of trees and manuring	115	1.5
3	Solid waste management	OWC - 1 number	24	3
4	Rain water harvesting	Recharge pits 20 nos	20	1
5	Fire Fighting	Fire extinguisher	5	1
6	Energy	Solar panels for street lights and LED	15	1
7	Storm Water Drainage	Construction and Maintenance of Channels	12	1.2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 number, Nandore junction 2 kilometers
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	7,067 sq.mt.
	Area per car:	25 sq.mt.
	Area per car:	25 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	Cycles - 1097 numbers and 2-Wheelers - 1097 numbers
	Number of 4-Wheelers as approved by competent authority:	37
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	9 mt and 12 mt
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Proposed residential and commercial project at Nandore village, Palghar, Maharashtra
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-09-2016

Brief information of the project by SEAC

PP, Mr.Amit Pal, Architect Ms Aditi were present during the meeting along with environmental consultant M/s Mahabal Environ Engineers Pvt.Ltd. PP informed that the it is residential & commercial project.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 33816m2 & total construction area of the project (FSI + Non FSI) is 39026m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, at present there is no commitment from concerned planning authority/ agency for supplying water to the scheme. PP to ensure that water for drinking is available before giving possession/Occupation to the project. Planning Authority (District Collector) to ensure the same before giving Completion Certificate.
2) PP to provide management of Environmental infrastructure for 10 years instead of 5 years.
3) PP to submit report regarding impacts of project on neighbouring plot (Agriculture area). Pp to submit with 7/12 extract.
4) PP to submit complete storm water drainage calculation & design plan covering the surrounding catchment area
5) Currently there is no Sewer & Storm water line near the project. Planning Authority to ensure that project is zero liquid discharge & BoD of treated waste water should be 5 mg/lit & suspended solids is 20 mg/lit before giving Occupation Certificate.
6) PP to submit detail recycle & reuse plan of treated waste water.
7) Committee suggested that PP can supply excess treated water from holding ponds to Palghar Municipal body & neighbouring village by documented agreement for construction & agriculture purpose as per established standards.
8) PP to explore the option of plantation in nearby area, roads etc & use the excess recycled water by drip irrigation.
9) PP to ensure BOD of treated waste water should be 5 mg/lit along with ultra-filtration & ozonation and suspended solids is 10 mg/lit
10) PP to ensure that width of the road for fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same and upload with due signatures.
11) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and all other above said compliances etc on the website of ec.mpcb.in
12) PP, if applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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

SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Environmental Clearance for Amendment of Residential project

General Information:

1.Name of Project	Amendment of Residential project at Survey No. 43/3 (p), 66/1(p), 66/6(p), 67/1, 68,69 (p), 73/1, 73/2, 74 (p), 75, 76 PT, 78/1 (p), Kalyan, District – Thane, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s. Vertex Newton Projects Private Limited
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 43/3 (p), 66/1(p), 66/6(p), 67/1, 68,69 (p), 73/1, 73/2, 74 (p), 75, 76 PT, 78/1 (p), Kalyan, District – Thane, Maharashtra
9.Taluka	Kalyan
10.Village	Kalyan
11.Area of the project	Kalyan – Dombivli Municipal Corporation (KDMC)
12.IOD/IOA/Concession/Plan Approval Number	YES
	IOD/IOA/Concession/Plan Approval Number: IOD(plot B): J.No.KDMP/BP/KV/808-398, Plot A: J.No.KDMP/NRV/BP/KV/2012-2013/939
	Approved Built-up Area: 145791.500
13.Note on the initiated work (If applicable)	As per previous EC received, building. A1 & A2 along with shops of plot A completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,12,263.81
16.Deductions	53732.26
17.Net Plot area	58531.55
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,12,077.401
	b) Non FSI area (sq. m.): 33,714.099
	c) Total BUA area (sq. m.): 1,45,791.500
19.Total ground coverage (m2)	5501.668 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	4.9 %
21.Estimated cost of the project	2810000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot A: Building A1	Stilt + Podium + 17 floors	60.5
2	Plot A: Building A2	Stilt + Podium + 17 floors	60.5
3	Plot B: Building A1	Stilt + 2 Podium + 26 floors	92.00
4	Plot B: Building A2	Stilt + 2 Podium + 26 floors	92.00
5	Plot B: Building B1	Stilt + 2 Podium + 26 floors	92.00
6	Plot B: Building B1	Stilt + 2 Podium + 26 floors	92.00
7	Plot B: Building C1	Stilt + 2 Podium + 26 floors	92.00
8	Plot B: Building C2	Stilt + 2 Podium + 26 floors	92.00
9	Plot B: Building D	Stilt + 2 Podium + 26 floors	92.00
10	Commercial block A	Gr +2 floors	11.4
11	Commercial block B	Gr +2 floors	11.4

23.Number of tenants and shops	Residential- 881 nos. Commercial- 48 nos.

24.Number of expected residents / users	4969 nos.
25.Tenant density per hectare	158.8 tenant/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Bhiwandi – Murbad highway (30.00 m wide)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	KDMC
	Fresh water (CMD):	407
	Recycled water - Flushing (CMD):	240
	Recycled water - Gardening (CMD):	28
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	681
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	90
	Excess treated water	254

Wet season:	**Source of water**	KDMC + RWH
	Fresh water (CMD):	407
	Recycled water - Flushing (CMD):	240
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	653
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	90
	Excess treated water	282
Details of Swimming pool (If any)	Swimming pool makeup: 6	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 m
	Size and no of RWH tank(s) and Quantity:	2 Nos. of RWH tank with quantity of 29 cum & 94 cum
	Location of the RWH tank(s):	Below Ground Level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 37 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2 Lakh/annum
	Details of UGT tanks if any :	Domestic Water Tank 407 Flushing Water Tank 214 Fire Water Tank 350 Rain Water Harvesting Tank 210
35.Storm water drainage	**Natural water drainage pattern:**	NW to SE
	Quantity of storm water:	0.30 m3/sec
	Size of SWD:	0.30 m3/sec 450 mm X 300 mm

Sewage and Waste water	**Sewage generation in KLD:**	579 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	700 KLD (150 KLD, 550 KLD)
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs. 70 Lakh
	Budgetary allocation (O & M cost):	Rs. 11 lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	980
	Wet waste:	1364
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	36
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure & replacement of saw dust for OWC
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	Total Area: 72 sq.m
	Area for machinery:	Total Area: 72 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.19 Lakh
	O & M cost:	Rs. 6 lakh/yr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5625 sq.mt
	No of trees to be cut :	-
	Number of trees to be planted :	281
	List of proposed native trees :	as listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyalthia longifolia	False Ashoka	40	evergreen tree
2	Peltophorum pterocarpum	Copper pod (peela gulmohar)	32	Ornamental tree
3	Tabebuia rosea	Basant rani	39	Ornamental tree
4	Cassia fistula	Bahawa	32	Flowering tree
5	Lagerstroemia speciosa	Jarul	29	Flowering tree
6	Acacia auriculiformis	Golden Shower	46	Flowering tree
7	Delonix regia	Gulmohar	27	Flowering tree
8	Samanea saman	Rain tree	36	Flowering tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	7935 KW
	During Operation phase (Demand load):	6581 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 x 250 KVA, 2 X 120 KVA, & 1 x 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Road & Landscaping-60% on solar
Parking - T8 lights to T5
Lobby & staircase LED lights -Incandescent to LED
Lifts - with VFD & Regenerative Type

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy savings: 17%	Total Energy savings: 17%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 148 Lakh
	O & M cost:	Rs. 15 lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for Dust Suppression	2
2	EHS	Site Sanitation	2
3	Environmental Monitoring	Environmental Monitoring	6
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Solid Waste Management	OWC	19.00	6
2	Water Environment	STP	70.00	11
3	Energy Saving	Solar system	148.00	15
4	Water Environment	RWH	37	2

5	Land Environment	Landscaping	140	28

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is accessible through the existing 30 m wide DP road. Entries & Exit: 1
Parking details:	**Number and area of basement:**	1 nos. 962 sq.m (Plot A)
	Number and area of podia:	2 Podium, Area: 21174.61 sq.m
	Total Parking area:	30032.49 sq.m
	Area per car:	Stili/Gr floor: 28 sq.m, Podium: 25 sq.m
	Area per car:	Stili/Gr floor: 28 sq.m, Podium: 25 sq.m
	Number of 2-Wheelers as approved by competent authority:	743 nos.
	Number of 4-Wheelers as approved by competent authority:	992 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category B
	Court cases pending if any	NA
	Other Relevant Informations	This is an expansion project
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-09-2016

Brief information of the project by SEAC

PP, Mr.Dhiren & Architect Mr.Phadnis along with environmental consultant M/s Enviro Analysts & Engineers were present during the meeting. PP informed that the project proposed is a residential cum commercial project. The project has received EC for the construction area of 94,260 sq.m on the plot area of 1,12,263.81sq.m.(plot A, B & C) vide letter dated 2.4.2009. PP stated that validity of EC was over and work stopped accordingly. PP also stated that the work of construction of Buildings in plot-A comprising building A1 (Stilt+Podium+17 Floors), building A2 (Stilt+Podium+17 Floors), Commercial block A (G+2 floors) & Commercial block B (G+2 floors) is completed as per received EC. The total construction work carried out so far as per earlier EC is 29285.332 Sq. M. Due to change in project planning of the of the buildings in plot-B PP has applied for EC, therefore committee considered this proposal as a fresh proposal. PP informed that the plans are revised accordingly & approved for Plot B by the planning authority i.e. KDMC vide letter dated 2.4.2016

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 112263.81m2 & total construction area of the project (FSI + Non FSI) is 145791.500m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, construction is proposed on Plot A & B admeasuring 37000 Sq.mt. Construction on plot C is not proposed in this project. There is deduction in area of 53732.26 Sq,mt. RG is as per the sum of the plot A & B. PP to revise the area statement & submit and upload the CS accordingly.
2) PP to ensure BoD of treated waste water should be 10 mg/lit along with ultra-filtration & ozonation and suspended solids is 20 mg/lit
3) PP to ensure that width of the road for fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same. 4. PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
4) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
5) PP, if applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013

FINAL RECOMMENDATION

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

SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Amendment in EC Proposed Residential Development 'Everest World' Plot Bearing New S. No. 37/1, 37/2, 37/3, 37/4 ,37/5, 37/6, 37/7, 37/8,37/9, 37/10 , 37/11, 37/12, 37/13 - 283-A(old), New S.No. 38/1, 38/2 - 283-B(old) , New S.No. 36/1, 36/2A, 36/2B - 146/1, 146/2 (Pt), 146/2(Pt) (old) , New S.No. 10/2 - 147/2 (old), New S.No. 27/2A, 27/2B - 163/2 of Village Dhokali , Taluka. & Dist. Thane

General Information:

1.Name of Project	Amendment in EC Proposed Residential Development 'Everest World'
2.Type of institution	Private
3.Name of Project Proponent	M/S. Vijay Associates Wadhwa
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd
5.Type of project	housing project
6.New project/expansion in existing project/modernization/diversification in existing project	amendment project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	yes.
8.Location of the project	Plot Bearing New S. No. 37/1, 37/2, 37/3, 37/4 ,37/5, 37/6, 37/7, 37/8,37/9, 37/10 , 37/11, 37/12, 37/13 - 283-A(old), New S.No. 38/1, 38/2 - 283-B(old) , New S.No. 36/1, 36/2A, 36/2B - 146/1, 146/2 (Pt), 146/2(Pt) (old) , New S.No. 10/2 - 147/2 (old), New S.No. 27/2A, 27/2B - 163/2 of Village Dhokali , Taluka. & Dist. Thane
9.Taluka	Thane
10.Village	Dhokali
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	LOI from TMC
	IOD/IOA/Concession/Plan Approval Number: Ref. No TMC/TDD/7344 dated 26th oct, 2016
	Approved Built-up Area: 134122.97
13.Note on the initiated work (If applicable)	There are existing operating residential building on the plot which have been constructed as per previous EC.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from TMC
15.Total Plot Area (sq. m.)	Total plot area- 90607.52 Sq.m. Plot area considered in expansion: 52797.52 Sq.m
16.Deductions	15% deduction for RG on Plot A and C
17.Net Plot area	52797.52 Sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** For plot A- 77444.89 Sq.m For plot C- 10426.32 Sq.m.
	b) Non FSI area (sq. m.): 72978.25Sq.m.
	c) Total BUA area (sq. m.): 160849.46 Sq.m.
19.Total ground coverage (m2)	-
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.53
21.Estimated cost of the project	3040000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 and 4	st+ 12 floors	39.25
2	Building 2 and 6	St +18 Floors	56.59
3	Building No. 5 and 7 to 12	St + 20 Floors	62.37
4	Builiding No. 14 - considered for Expansion	St + 30 (pt) Floors	91.35
5	Builiding No. 15- considered for Expansion	St + 23 (pt) Floors	74.50
6	Builiding No. 16 - considered for Expansion	St + 24 (pt) Floors	77.55
7	Building no. 17	St +20 Floors	59.50
8	Building No. 18	St +20 Floors	81.90
9	-	-	-
10	-	-	-

23.Number of tenants and shops	Residential units – 449 Nos (considered for expansion)
24.Number of expected residents / users	2245 Nos.(only expansion)
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Abutting 40 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	Minimum 7.5 m wide
29.Existing structure (s) if any	There are existing operating residential building on the plot which have been constructed as per previous EC
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC/Recycled water
	Fresh water (CMD):	787
	Recycled water - Flushing (CMD):	393
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	340
	Total Water Requirement (CMD) :	1188
	Fire fighting - Underground water tank(CMD):	for expansion - 150 and 300 Cum
	Fire fighting - Overhead water tank(CMD):	for expansion - 25 Cum each building
	Excess treated water	457 KLD

Wet season:	**Source of water**	TMC/Recycled water
	Fresh water (CMD):	787
	Recycled water - Flushing (CMD):	393
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	340
	Total Water Requirement (CMD) :	1180
	Fire fighting - Underground water tank(CMD):	for expansion - 150 and 300 Cum
	Fire fighting - Overhead water tank(CMD):	for expansion - 25 Cum each building
	Excess treated water	457 KLD
Details of Swimming pool (If any)	provided above.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table was observed at depths between 0.5m to 3.5m below ground surface in the boreholes
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 No's of recharge pits and 3 No's of roof top units have been proposed-for expansion
	Size of recharge pits :	3.5 Mt x 3.5Mt x 4.0Mt
	Budgetary allocation (Capital cost) :	Rs. 40 lakh
	Budgetary allocation (O & M cost) :	Rs. 50000 per annum
	Details of UGT tanks if any :	For expasion - Domestic Water Tank - 85 KLD and 130 KLD Flush Water Tank - 47 KLD and 65 KLD
35.Storm water drainage	**Natural water drainage pattern:**	as per natural contours
	Quantity of storm water:	165 cum - surface runoff foe expansion
	Size of SWD:	450 mm and 900 mm wide SWD

Sewage and Waste water	**Sewage generation in KLD:**	945
	STP technology:	MBBR
	Capacity of STP (CMD):	1.07 MLD
	Location & area of the STP:	ground
	Budgetary allocation (Capital cost):	Rs. 125 lakh
	Budgetary allocation (O & M cost):	rs. 1.25 Lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Steel- 2.6 MT, Block Work - 4393 Sq.m., Internal Gypsum - 2636 Sq.m., Extenal plaster - 4393 Sq.m., Internal shaft-4393 Sq.m., Flooring / tiling - 4393 Sq.m.
	Disposal of the construction waste debris:	steel- Shall be sold to recycler, Block Work - Shall be used for paving, Iternal Gypsum, internal shaft, external plaster- Plastering waste Shall be used for raft foundation, Floorin/tiling - Tiles shall be used for china mosaic water proofing of terraces.
Waste generation in the operation Phase:	**Dry waste:**	449 Kg/day - considered for expansion
	Wet waste:	673 Kg/day -considered for expansion
	Hazardous waste:	if any shall be disposed off as per norms
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	generated fro STP
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	shall be handed over to authorized vendor
	Wet waste:	shall be treated in OWC
	Hazardous waste:	if any shall be disposed off as per norms
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	7.5 Sq.m.
	Area for machinery:	6 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakhs
	O & M cost:	Rs.1 Lakh per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	13324.36 sq.m.
	No of trees to be cut :	0
	Number of trees to be planted :	84
	List of proposed native trees :	enclosed as below
	Timeline for completion of plantation :	till completion of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	12	Native tree, medicinal value
2	Anthocephalus cadamba	Kadamb	12	Evergreen Tropical tree
3	Bombax cieba	Semal	12	Decisuous Tall tree , flowering tree
4	Alzibia lebbeck	shirish	12	medicinal value
5	Mangifera indica	mango	12	shady, fruit bearing, prevents soil erosion
6	Delonix indica	Gulmohar	12	ornamental tree
7	Cassia fistula	Bahava	12	Evergreen tree, medicinal value
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	as per recommendations	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	7233.16 KW
	During Operation phase (Demand load):	3298.02 KW
	Transformer:	5548 kVA
	DG set as Power back-up during operation phase:	• DG Selection For Residential Common Area. – Building no. 14 -625KW • DG Selection For Residential Common Area. – Building no. 15 and 625KW
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

% Savings through Renewable energy – 9 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	% Savings through Renewable energy – 9 %	% Savings through Renewable energy – 9 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 100 Lakh
	O & M cost:	Rs. 2 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	land environment	Water for Dust Suppression	2
2	Health and Safety	Site Sanitation	2
3	Environmental Monitoring	Environmental Monitoring - Air, Noise, Water, soil	6
4	Health and Safety	Disinfection	1.5
5	Health and Safety	Health Check Up	3.6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	40	0.5
2	Water Environment	STP	125	12.5
3	Land Environment	MSW	20	1
4	Energy System	Energy System	100	2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	40 M wide Kolshet Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	2 podia- area - 22613.84 sq.m.
	Total Parking area:	27345.80 Sq.m.
	Area per car:	28 Sq.m.
	Area per car:	28 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	451nos
	Number of 4-Wheelers as approved by competent authority:	1299 nos
	Public Transport:	Na
	Width of all Internal roads (m):	6 m drive way
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable as per ESZ notification dated 5th dec, 2016
	Category as per schedule of EIA Notification sheet	8 b (B1)
	Court cases pending if any	NA
	Other Relevant Informations	there is expansion for only 3 buildings in layout. rest of all buildings have been constructed as per previous EC and OC has been received.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-10-2016

Brief information of the project by SEAC

PP, Mr.Avinash Lad, Architect Mr.Sandeep Prabhu were present during the meeting along with environmental consultant M/s Enviro Analysts & Engineers. PP informed that the project proposed is Amendment project.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 90607.52m2 & total construction area of the project (FSI + Non FSI) is160849.46m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

PP informed that, the project has received Environmental Clearance dated 15thOctober, 2011 comprising total built up area of 357020.65 sq.m. There is existing operating residential building (OC received) on the plot which has been constructed as per previous EC. Further PP stated that there is change in configuration of Building No. 14, 15 and 16

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee observed that, RG as per the plans approved in 2007 is about 13199.38 Sq.m and out of it RG on ground is 1876.42 Sq.m. Now proposal is for vertical expansion, PP stated that there is no change in RG approved in the earlier EC which becomes inadequate in terms of RG area on the ground as stipulated by Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013. This may be rectified
2) PP to submit performance report of existing STP.
3) PP to upload EC compliance report.
4) PP to achieve 10% energy savings through renewable component (use of solar PV panels) & submit revised energy calculations indicating the same.
5) PP to ensure that width of the road for fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same.
6) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
7) PP, if applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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

SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Expansion of Proposed Residential Commercial Project" Vedant Nakshtra" at Plot Bearing S.No. 70 , H.No 1(Pt) & H.No 5 (Pt) , Vil –Kulgaon , Tal- Ambernath ,Dist- Thane Proposed By Tharwani Infrastructure

General Information:

1.Name of Project	Expansion of Proposed Residential Commercial Project" Vedant Nakshtra"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohan Tharwani ,Survey No. 70, Near Church, Rameshwadi, Badlapur West
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	Housing Scheme with Shops
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC on 14th Dec,2015 (SEAC-2013/CR-408/TC-I) for construction of 16 Wing (Wing A-P are of G/S +7 Floors) with total construction area of 35,222.90 sq.m.
8.Location of the project	At S. No.70, H. No. 1(pt) & H. No. 5 (pt) of Village- Kulgaon, Tal- Ambernath, Dist- Thane
9.Taluka	Ambernath
10.Village	Kulgaon
11.Area of the project	KBMC (Kulgaon -Badlapur Municipal Council)
12.IOD/IOA/Concession/Plan Approval Number	YES
	IOD/IOA/Concession/Plan Approval Number: RECEIVED BY KBMC BY 25-01-2017 (JVK NO. /KBMC/NRV/B.P./766-144/2016-2017)
	Approved Built-up Area: 36461.47
13.Note on the initiated work (If applicable)	Constructed FSI AREA = 11204.26 sq.m. ,Constructed Non FSI Area= 4035.81 sq.m. ,Total constructed area = 15,240.07 Sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	26450.00
16.Deductions	13748.68
17.Net Plot area	12701.32
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24733.64 sq.m.
	b) Non FSI area (sq. m.): 11727.83sq.m
	c) Total BUA area (sq. m.): 36461.47sqm
19.Total ground coverage (m2)	4645 sqm.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36 %
21.Estimated cost of the project	1050000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	G/S +7	23.01
2	Wing B	G/S +7	23.01
3	Wing C	G/S +7	23.01
4	Wing D	G/S +7	23.01
5	Wing E	G/S +7	23.01
6	Wing F	G/S +7	23.01
7	Wing G	G/S +7	23.01
8	Wing H	G/S +7	23.01
9	Wing I	G/S +7	23.01
10	wing J	S +20	58.10
11	Wing K	S +12	38.01
12	Wing L	S +12	38.01
13	Wing M	S +20	60.40

23.Number of tenants and shops	No. of Tenements (in Nos.)=699 nos. No. of Shops (in Nos.)=16nos. No. of commercial (In Nos.)=3 nos. Commercial area (In sq.m.)=460
24.Number of expected residents / users	Residential = 3495 ,Shops/Office/commercial = 107 ,Total = 3602
25.Tenant density per hectare	269 nos/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Existing 18.00 m wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Wing A to I of (G/S +7) constructed are existing on site.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	KBMC/ treated water from STP
	Fresh water (CMD):	317
	Recycled water - Flushing (CMD):	160
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	484
	Fire fighting - Underground water tank(CMD):	75 cum (2 nos.)
	Fire fighting - Overhead water tank(CMD):	25 cum (each wing)
	Excess treated water	234

Wet season:	**Source of water**	KBMC/RWH/ treated water from STP
	Fresh water (CMD):	317
	Recycled water - Flushing (CMD):	160
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	477
	Fire fighting - Underground water tank(CMD):	75 cum (2 nos.)
	Fire fighting - Overhead water tank(CMD):	25 cum (each wing)
	Excess treated water	241
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.8 m to 3.6 m
	Size and no of RWH tank(s) and Quantity:	Wing A to I = 110 Cum (2 day capacity) ,Wing L to M = 99 Cum(2 day capacity)- 6 Nos.
	Location of the RWH tank(s):	Ground level (UG)
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 60.0 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.4 Lakhs
	Details of UGT tanks if any :	Particulars Capacity =(CUM) Domestic Water Tank =320 Flushing Water Tank =170 Fire Water Tank UG = 75 (nos.), OH = 25 cum (each wing) Rain Water Harvesting Tank 209 Location of tank Ground level

35.Storm water drainage	**Natural water drainage pattern:**	West To East
	Quantity of storm water:	Actual design discharge = 0.144 m3/s (based on the 4 no. of outlets=0.036 m3/s) Total design discharge= 0.09 m3/s
	Size of SWD:	0.30m x 0.30 m

Sewage and Waste water	**Sewage generation in KLD:**	445 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	500 KLD
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs.38.0 Lakhs
	Budgetary allocation (O & M cost):	Rs. 6.00 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris has been disposed of by covered trucks to the authorized sites with the permission of local body.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counter weight of raft, road works, etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of local body
Waste generation in the operation Phase:	**Dry waste:**	718 Kg/Day
	Wet waste:	1056Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	28 Kg
	Others if any:	Nil
Mode of Disposal of waste:	**Dry waste:**	Will be hand over to authorized recyclers.
	Wet waste:	Will be processed in the OWC for manure for landscaping/ gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as a manure
	Others if any:	nil
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	65 sq.m.
	Area for machinery:	2.77 SQ.M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.10.0 Lakhs
	O & M cost:	Rs.6.00 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1694.14 Sq.mt. (13.34 %)
	No of trees to be cut :	There were 50 trees on site. All of them are cut as per the tree NOC received from KBMC dated 22/03/2012
	Number of trees to be planted :	315 nos.
	List of proposed native trees :	as below
	Timeline for completion of plantation :	at the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Yellow Flamboyant	29	shady
2	Lagerstroemia speciosa	Giant Crape-myrtle	29	shady
3	Delonix regia	Gulmohar	56	flowering
4	Plumeria alba	Pagoda Tree	48	flowering
5	Alstonia scholaris	Indian Devil Tree	21	evergreen troplical tree
6	Tabebuia rosea	Savannah Oak	30	medicinal
7	Bauhinia purpurea	Kanchan	36	medicinal
8	Pongamia pinnata	Karanj	29	shady
9	Filicium decipens	Fern Tree	27	evergreen
10	Samanea saman	French Tamarind	10	medicinal
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	not applicable	not applicable	not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	3668 KW
	During Operation phase (Demand load):	2232 KW
	Transformer:	NIL
	DG set as Power back-up during operation phase:	1 X 200 KVA, 1 X 80KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar lighting
2.T5 lights
3.LED lights
4.solar hot water system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	24.00%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 88.0 lakhs
	O & M cost:	Rs. 4.0lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environemnt	Water sprinkling	1.00
2	EHS	Health, safety & first aid facility	2.00
3	Land environment	Sanitary facility and waste water management	1.50
4	EHS	Environmental Monitoring	3.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	60	3
2	solid waste	MSW	10	6
3	Water requirement	STP	53	8
4	Energy saving	solar energy system	88	4
5	land environment	Landscaping	13	2.6

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The proposed project is connected by Existing 18.00 mtr wide DP road.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	948.00 sq.m.
	Area per car:	28.72 sq.m.
	Area per car:	28.72 sq.m.
	Number of 2-Wheelers as approved by competent authority:	707 Nos.
	Number of 4-Wheelers as approved by competent authority:	33 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	not within 10 km
	Category as per schedule of EIA Notification sheet	schedule 8a, category B
	Court cases pending if any	NA
	Other Relevant Informations	The project is the expansion project. previously got EC(As per EC on 14th Dec,2015 (SEAC-2013/CR-408/TC-I) for construction of 16 Wing (Wing A-P are of G/S +7 Floors) with total construction area of 35,222.90 sq.m.)
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-10-2016

Brief information of the project by SEAC

PP, Mr.Mohan Tharwani, Architect Mr.Satish oak were present during the meeting along with environmental consultant M/s Enviro Analysts & Engineers. PP informed that the project proposed is expansion of the existing project.

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

PP stated that total plot area is 26450m^2 & total construction area of the project (FSI+Non FSI) is 36461.47m^2 comprising construction of 16 Wing (Wing A-P are of G/S +7 Floors). Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

Committee noted that, the EC was issued to the project vide letter dated 14th December, 2015 after completion of credible action on violation by competent authority. Currently the case is pending in Ulhasnagar court. Now the proposal is for expansion from 35222.90 Sq.m to 36461.47 Sq.m. PP state that, there is no change in the plan of 9 wings (Wing A to I) & are constructed as per received EC. The wings D to I have received OC. For remaining, instead of 7 wings only 4 wings are proposed now. Thus, the amendment is for 13 no. of buildings with total construction area of 36,461.47sq.m. and the Wings N, O & P are deleted.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to ensure that required RG of 1694.14 should be provided on ground.
2) PP to submit/ upload EC compliance report.
3) PP to ensure that the height of the stack of DG set should be above the tallest building in the project.
4) PP to submit project specific DMP.
5) PP to ensure BoD of treated waste water should be 5 mg/lit and suspended solids is 20 mg/lit
6) PP to undertake Green belt development along the road to reduce the air pollution.
7) PP to ensure that width of the road for fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same.
8) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
9) PP, if applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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

SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Amendment / Expansion for Redevelopment of residential project under Rental Housing Scheme "Pinnacolo" by SKD Realty LLP

General Information:

1.Name of Project	SKD Realty LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mahendra Kanungo
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. L td.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment / Expansion for Redevelopment of residential project under Rental Housing Scheme
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Earlier EC obtained vide letter No. SEAC-2013/CR-261/TC-1 dt. 07.10.2014
8.Location of the project	Plot bearing S. No. 445 (old), 129 (New) and S. No. 446 (Old), 130 (New), H. No. 3, Village Navghar, Bhayandar, Dist – Thane, Maharashtra.
9.Taluka	Bhayander
10.Village	Navghar
11.Area of the project	Mira-Bhayander Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	LOI Obtained from MBMC vide no. /NNP/NR/4137/10-2011 dated-22/02/2011
	IOD/IOA/Concession/Plan Approval Number: LOI Obtained from MBMC vide no. /NNP/NR/4137/10-2011 dated-22/02/2011
	Approved Built-up Area: 35620.00
13.Note on the initiated work (If applicable)	Construction work is already started on site as per EC received vide letter No. SEAC-2013/CR-261/TC-1 dt. 07.10.2014 . Work completed till today is 46,709.25m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI Obtained from MBMC vide no. /NNP/NR/4137/10-2011 dated-22/02/2011
15.Total Plot Area (sq. m.)	14490 m2
16.Deductions	6696 m2
17.Net Plot area	8905 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35280.75
	b) Non FSI area (sq. m.): 24873.79
	c) Total BUA area (sq. m.): 60154.54
19.Total ground coverage (m2)	5335
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.51 %
21.Estimated cost of the project	887000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rental bldg	PART-G+1 to 15 F +16 (PART) F	49.75m
2	Sale Plot A (Wing A,B,C,D)	S+P+22 Floors	69.75m
3	Sale Plot B	GR.+23 Floors	69.90m

23.Number of tenants and shops	Total Tenements: 978 Nos. Shops: 24 Nos. BWS: 18 Nos
24.Number of expected residents / users	5016 Nos.
25.Tenant density per hectare	674.94/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m wide & 15 m wide DP Roads.

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MBMC
	Fresh water (CMD):	442
	Recycled water - Flushing (CMD):	224
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	666
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	386
Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	388
	Recycled water - Flushing (CMD):	224
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	666
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	391
Details of Swimming pool (If any)	Not provided	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	3 nos with total RWH tank capacity 110 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	2 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	Towards North side
	Quantity of storm water:	1672.51 m3/hr
	Size of SWD:	450 x 600 mm channel
Sewage and Waste water	**Sewage generation in KLD:**	622 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	650 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	120 Lakh
	Budgetary allocation (O & M cost):	20 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1747 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	**Dry waste:**	988 kg/d
	Wet waste:	1482 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 m3
	Others if any:	Household E-waste generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge will be used as manure for gardening
	Others if any:	The household E-waste shall be handed over to e-waste management vendor authorized by MPCB.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	100
	Area for machinery:	80
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35 Lakh
	O & M cost:	14 Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	1096.26 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	131 Nos
	List of proposed native trees :	131 nos
	Timeline for completion of plantation :	1 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	9	Large tree, good for roadside plant
2	Alstonia scholaris	Satwin	7	Shady Tree, white fragrant flowers
3	Saraca asoka	Sita Ashok	35	Shady tree with red-yellow flowers.
4	Badam	Badam	19	Shady tree, small white fragrant flowers
5	Bottle palm	Bottom palm	32	Medium sized deciduous tree. Beautiful orange
6	Fostel palm	Forsterl palm	20	Shady tree
7	Anthocephallus cadamba	Kadamb	9	Shady, large tree, ball shaped flowers.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Vitex negundo	-	-
2	Adhatoda vasica	-	-
3	Plumbago zeylanica	-	-
4	Ziziphus mauritiana	-	-

47.Energy

Power requirement:	**Source of power supply :**	Tata power
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	3.2 MW
	During Operation phase (Demand load):	2.5 MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Two substations linked as a power back up are provided during operation phase and for common lighting, solar system and for fire diesel pump
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Energy efficient lighting using LEDs
2. Use of high energy efficient pumps for fire fighting, UG tanks and STP
3. Solar Street lights are proposed for common areas such as open spaces, pathways, RG etc.
4. Solar Hot Water system will be proposed
5. Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	20.3 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	36 Lakh
	O & M cost:	2 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation (Toilets)	-	3
3	Environmental Monitoring	-	4
4	Potable Water Supply to Labour Camp	-	4
5	Health check-up & first aid	-	4
6	Safety Personal Protective Equipment	-	5
7	Traffic Management	-	3
8	Safety nets	-	6
9	Tyre cleaning and Vehicle maintenance	-	2
10	Solid Waste Management & Site maintenance activity	-	4
11	Safety - Training to Workers	-	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	120	20
2	Solar Hot Water	Weekly	36	2
3	Rain Water Harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	10	2
4	Solid waste Composting plant	Continuous O & M	35	14
5	Landscape	Daily	13	4
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories		4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3239.03 m2
	Total Parking area:	8490 m2
	Area per car:	28.3 m2
	Area per car:	28.3 m2
	Number of 2-Wheelers as approved by competent authority:	120 Nos
	Number of 4-Wheelers as approved by competent authority:	300 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	No
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Our project site is 1.5 km away from the boundary of Sanjay Gandhi national park (SGNP), and as per the Eco Sensitive Zone (ESZ) notification of Sanjay Gandhi National Park (SGNP), Borivali vide no. S. O. 3645 (E) dated 05.12.2016, our project site is outside of ESZ area i.e. (100 m); hence clearance from National Board for Wildlife (NBWL) is not applicable for our project.
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Na
	Other Relevant Informations	Na
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

PP, Mr.Mahindra Kanunga, Architect Mr.D.N Patel were present during the meeting along with environmental consultant Dr. D.A Patil, Mahabal Enviro Engg.Pvt.Ltd. PP informed that the project proposed is for amendment/expansion of project.

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

PP stated that total plot area is 14490m^2 & total construction area of the project (FSI+Non FSI) is 60154.54m^2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

Committee noted that, the EC was issued to the project vide letter dated 7th October, 2014 for Plot area of 14,490 m^2 and Total construction area of 53,557.32 m^2. PP stated that total area constructed till date is 46,709.25 m^2. Due to change in Planning of Sale Building B (Building configuration changes from S + 2P + 21 F to Part- Gr.+23 F) the total construction area is increased by 6,597.22 m^2.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit /upload EC compliance report.
2) As agreed to, PP to ensure that treated waste water to be used for green belt & flushing.
3) PP to ensure that 4 parking from parking towers should be relocated elsewhere to achieve the evacuation time of 30 minutes.
4) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
5) PP, if applicable, PP to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

FINAL RECOMMENDATION

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

SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Proposed Special Township

General Information:

1.Name of Project	60 MILES GOA
2.Type of institution	Private
3.Name of Project Proponent	Mr Rajiv Kulkarni
4.Name of Consultant	ULTRATECH
5.Type of project	HOUSING
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	S. No. 347 Hiss No.2, 348 Hiss no.4,6,353,354 Hiss No.2,3 & 4,355,356,4 Hiss No.2,3,4,7,9&11
9.Taluka	Deogad
10.Village	Phanasgaon
11.Area of the project	Town planning Sindhudurga
12.IOD/IOA/Concession/Plan Approval Number	Locational Clearance from Government of Maharashtra obtained vile letter No 1912/467/CR/-95/12/UD-12 dated. 14/5/2014
	IOD/IOA/Concession/Plan Approval Number: Locational Clearance from Government of Maharashtra obtained vile letter No 1912/467/CR/-95/12/UD-12 dated. 14/5/2014
	Approved Built-up Area: 112031
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Locational Clearance from Government of Maharashtra obtained vile letter No 1912/467/CR/-95/12/UD-12 dated. 14/5/2014
15.Total Plot Area (sq. m.)	4,67,290.00
16.Deductions	Not applicable
17.Net Plot area	4,67,290.00
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 82,676.13
	b) Non FSI area (sq. m.): 29,354.54
	c) Total BUA area (sq. m.): 1,12,030.67
19.Total ground coverage (m2)	45,297.22
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	9.76
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Unit Type 1	G+1	8.60
2	Unit Type 2	G+1	10.42
3	Unit Type 3	G+1	10.20
4	Unit Type 4	G+1	10.42
5	Market	Ground	8.90
6	Club House	G+1	8.90
7	Community Centre 1	Ground	15.80
8	Community Centre 2	Ground	10.00
9	School	Ground	15.20
10	School	Ground	15.20
11	Rejuvenation Centre	Ground	8.40
12	Rejuvenation Centre	Ground	8.40
13	Hospital	Ground	7.00
14	Power Receiving Station Sub Station	Ground	7

15	WTP	Ground	7
16	STP	Ground	7
17	Solid Waste Management Facility	Ground	7
18	Police Station	G+1	10.42

23.Number of tenants and shops	Flats: 864 Nos. Hospital :1(25 beds) School: 1 (500 student) Commercial: Market-34 shops (8 buildings) Club house Community center 1 Community center 2
24.Number of expected residents / users	Residents: 4320 Nos. Hospital: 25 nos. School: 500 student nos. Commercial: 352 nos
25.Tenant density per hectare	18.62
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Fire station Proposed within Site
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	One Farm house Structure

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Irrigation Department
	Fresh water (CMD):	879 (Domestic + flushing+Gradening)
	Recycled water - Flushing (CMD):	considered in fresh water demand
	Recycled water - Gardening (CMD):	512
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1391
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	250
	Excess treated water	0

Wet season:	**Source of water**	Irrigation Department
	Fresh water (CMD):	633 (Domestic + flushing)
	Recycled water - Flushing (CMD):	considered in fresh water demand
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	633
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	250
	Excess treated water	512
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	1391	1391	0	821	821	0	570	570

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-6 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	08 Nos.
	Size of recharge pits :	1mt X 1mt. X 1mt
	Budgetary allocation (Capital cost) :	Rs. 10 Lacs
	Budgetary allocation (O & M cost) :	Rs. 2 Lacs/ Year
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) :614 Flushing tank Capacity(cum):329 Fire UG tank Capacity (cum):250

35.Storm water drainage	**Natural water drainage pattern:**	S to N BGL
	Quantity of storm water:	24.70 m3/Min.
	Size of SWD:	150 to 900 mm

Sewage and Waste water	**Sewage generation in KLD:**	512
	STP technology:	MBBR
	Capacity of STP (CMD):	STPs of Capacity : 40, 90, 95, 165, 80, 110 m3
	Location & area of the STP:	Sectorwise
	Budgetary allocation (Capital cost):	Rs. 177Lacs
	Budgetary allocation (O & M cost):	Rs. 42.64 Lacs / annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	From Workers : 37
	Disposal of the construction waste debris:	Cutting : 5,00,000 CUM 5,00,000 CUM, used for for backfilling & road making.
Waste generation in the operation Phase:	**Dry waste:**	976 kg/day
	Wet waste:	1464 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	1.29kg/day
	STP Sludge (Dry sludge):	81 Kg/day
	Others if any:	not any
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Mechanical composting unit
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	Biomedical waste will be collected as per different Categories in the different color coded bags and handed over to authorized Agency as per the Biomedical Waste Handling Rule- 2002
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	Not any
Area requirement:	**Location(s):**	3 Locations in different sectors
	Area for the storage of waste & other material:	190.024 Sq. m.
	Area for machinery:	considered in above row
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 44.50 lacs
	O & M cost:	Rs. 11.85Lacs/ annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	Not applicable	7.0-8.5	6.5-7.5	6.5-7.5
2	BOD	mg/lit	= 400	Not applicable	= 100
3	COD	mg/lit	= 300	Not applicable	= 30
4	Suspended Solids	mg/lit	= 200-300	Not applicable	= 50
5	Oil & Grease	mg/lit	= 10-20	Not applicable	= 10

Amount of effluent generation (CMD):	8
Capacity of the ETP:	10
Amount of treated effluent recycled :	10
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	Not applicable

Note on ETP technology to be used	Conventional
Disposal of the ETP sludge	To Common hazardous waste treatment and disposal facility.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	Liter/annum	Nil	Negligible	Negligible	Will be handed to MPCB authorized vendor
2	ETP Sludge	UT	UT	Nil	1 Kg/day	1 Kg/day	To ommon hazardous waste disposal facility

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	62.5	14.1 Lit/hr	1	6m	100mm-150mm	600deg C
2	160	36.6 Lit/hr	1	6m	100mm-150mm	600deg C
3	30	7.8 Lit/hr	1	6m	100mm-150mm	600deg C
4	30	7.8 Lit/hr	1	6m	100mm-150mm	600deg C
5	40	9.2 Lit/hr	1	6m	100mm-150mm	600deg C
6	100	21.9 Lit/hr	1	6m	100mm-150mm	600deg C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1,56,461.80m2
	No of trees to be cut :	72
	Number of trees to be planted :	Proposed 21000 and 1077 retained existing tree
	List of proposed native trees :	Proposed 21000 and 1077 retained existing tree
	Timeline for completion of plantation :	Till the completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia catechu	Khair	660	Deciduous tree
2	Actinodaphneangustifolia	Pisa	550	Evergreen tree
3	Aegle marmelos	Bel	765	Fruit bearing Evergreen tree
4	Albizia chinensis	Udal	60	Evergreen tree
5	Anacardium occidentale	Cashew	225	Fruit bearing Deciduous tree
6	Anthocephalus cadamba	Kadamb	350	Evergreen tree
7	Aphanamixis polystachya	Raktarohida	765	Evergreen tree
8	Areca catechu	Supari	665	Fruit bearing Evergreen tree
9	Artocarpusheterophyllus	Jackfruit	405	Fruit bearing Evergreen tree
10	Artocarpushirsutus	Ran phanas	405	Fruit bearing Evergreen tree
11	Bambusa arundinaceae	Bamboo kalak	45	Deciduous tree
12	Bauhinia purpurea	Kanchan	630	Flower bearing evergreen tree
13	Bauhinia racemosa	Apta	875	Flower bearing evergreen tree
14	Bombax ceiba	Katesavar	740	Flower bearing Deciduous tree

15	Butea monosperma	Palas	50	Flower bearing Deciduous tree
16	Canarium strictum	Raldhup	550	Evergreen tree
17	Caryota urens	Maad	115	Evergreen tree
18	Catunaregumspinosa	Gela	550	Evergreen tree
19	Cocos nucifera	Coconut	1070	Fruit bearing Evergreen tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	125KVA (100KW)
	DG set as Power back-up during construction phase	82.5KVA
	During Operation phase (Connected load):	4410 KW
	During Operation phase (Demand load):	3314KW
	Transformer:	630 KVA x 5 Nos and. 315 KVA x 4 Nos.
	DG set as Power back-up during operation phase:	62.5 KVA X 1 Nos. 160 KVA X 1 Nos. 30 KVA X 2 Nos. 40 KVA X 1 Nos. 100 KVA X 1 Nos
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not any

48.Energy saving by non-conventional method:

Use of CFL lamps for common area (Landscape)
Use of Solar Panels for Hot Water. (Solar Panel will not be used for minimum 15 Days during the rainy season. Conventional Electric geyser will be used during this period.)
Street Lights. (LED)
External common lighting (Rejuvenation centre ,temple, community centre)
Solar panels on the roof tops of the bunglows as well as a solar farm

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of CFL lamps for common area (Landscape)	30%
2	Use of Solar Panels for Hot Water. (Solar Panel will not be used for minimum 15 Days during rainy season . Conventional Electric geyser will be used during this period.)	38.63%
3	Street Lights. (LED)	20%
4	External common lighting (Rejuvenation centre ,temple, community centre)	30%
5	Solar panels on the roof tops of the bunglows as well as a solar farm	30%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage from Residential and Commercial Activitiesppplicable	Not applicable	STP(6 NOS.)

Effluent from Hospital	Not applicable	ETP (1NO.)
Biodegradable waste	Not applicable	OWC(3 NOS.)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.4.06 Cr.
	O & M cost:	Rs. 20.32 Lakhas/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	4.66
2	Water Environment	Tanker water for construction Water monitoring	1.8
3	Land Environment	Site Sanitation	5.0
4	Biological Environment	Gardening and Transplantation	166.1
5	Socio- Economic Environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal protective equipment,	43.8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, Noise Environment & Biological Environment	Cost for Gardening Cost for Ambient air & Noise Monitoring Cost for DG Stack Exhaust Monitoring	1431	56.2
2	Water Environment	Cost for sewage Treatment Plant Cost for Waste water Monitoring Cost for RWH pits Cost for WTP Cost for Water Monitoring	287	51.88
3	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage Cost for monitoring of organic manure	44.50	11.93
4	Energy Conservation	Energy Conservation	406	20.32

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 9 m and 15 m wide road

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	15,562.70 m2
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1078
	Number of 4-Wheelers as approved by competent authority:	865
	Public Transport:	Vaibhwadi Railway station :14.0 Km
	Width of all Internal roads (m):	More than 6m
	CRZ/ RRZ clearance obtain, if any:	Not any
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Yes, As per draft notification for Ecologically Sensitive Areas in Western Ghat No. SO 733(E) dated 10/03/2014 project is located within Eco-sensitive area of Phansgaon, Tal. Deogad, Dist. Sindhudurga, State Maharashtra.
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	Not any
	Other Relevant Informations	Not any
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

PP, Mr. Rajiv Kulkarni, Architect Mr. Kamlesh Mistri were present during the meeting along with environmental consultant M/s Ultratech. PP informed that the project application made on 22.2.2011 to obtain prior EC. Proposal was considered in 45th meeting of SEAC-II held on 12.4.2016. Further to this site visit conducted on 21.5.2016 & again the proposal reconsidered in 50th meeting of SEAC-II held on 3.9.2016.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 4,64,290.00 m2 & total construction area of the project (FSI + Non FSI) is 1,12,030.67 m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

PP informed that Phanasgaon is listed in eco sensitive area as per HLWG report. Further, PP informed that the project site is approved for the Special Township & also have received Locational Clearance from Government of Maharashtra. Further, PP informed that project is proposed to be developed in 10 phases in 10 years timeframe. Committee noted that the application was made by PP on dated 25/02/2011 for EC and PP informed that their application is prior to the cut-off date of 17/04/2013 mentioned in the draft notification issued on 28.2.2017 by MoEF.

During discussion following points emerged:

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload minutes of earlier meetings.
2) PP submitted Hydrological modelling report, revised biodiversity studies, detail water requirement calculations, details of STP and ETP, Storm water drainage layout, details of solar energy, project specific DMP etc during the meeting. PP to upload all above mentioned document on ec.mpcb website.
3) PP as committed during meting to ensure that all the recommendations made in above said studies and conditions stipulated by SEAC-II in its 45 th and 50 th meeting are implemented in letter and spirit since area is in eco sensitive zone. EMP should be implemented and ensure that project is implemented in consonance of natural settings in the area.

FINAL RECOMMENDATION

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

SEAC-II Meeting

SEAC Meeting number: 53rd **Meeting Date** May 5, 2017

Subject: Environment Clearance for Environmental Clearance for Amendment of "Nahur Gaothan Shiv Shakti SRA CHS" Residential Project under SRA Scheme

General Information:

1.Name of Project	Amendment of "Nahur Gaothan Shiv Shakti SRA CHS" Residential Project under SRA Scheme at Plot Bearing CTS No. 635, 637(pt), Village Nahur (W), Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. OM BUILDERS AND DEVELOPERS
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received, letter no: SEAC -2013/CR-435/TC-1 dtd: 7.10.2014
8.Location of the project	Plot Bearing CTS No. 635, 637(pt), Village Nahur (W), Mumbai.
9.Taluka	Kurla
10.Village	Nahur
11.Area of the project	MCGM (Municipal Corporation of Greater Mumbai)
12.IOD/IOA/Concession/Plan Approval Number	YES
	IOD/IOA/Concession/Plan Approval Number: IOA received letter no: SRA/ENG/3030/T/ML & STGL/AP dtd: 20.8.2016
	Approved Built-up Area: 25590.4
13.Note on the initiated work (If applicable)	For Composite building: Plinth work completed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI received, letter no. SRA/ENG/2542/T/ML&STGL/LOI dtd: 29th June 2013
15.Total Plot Area (sq. m.)	5728.00
16.Deductions	914.48
17.Net Plot area	4813.52
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15120.4
	b) Non FSI area (sq. m.): 10470
	c) Total BUA area (sq. m.): 25590.4
19.Total ground coverage (m2)	1529.82
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.78 %
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Composite Building (wing A)	Wing A: Gr.+ 20 & 21 (pt) floors	64.40
2	Composite Building (wing B & C)	Wing B & C = Gr.+7 floors	23.80
3	Sale Building (2 wings)	Stilt + 23 floors	69.90

23.Number of tenants and shops	Composite Building: Residential: 254 nos. R/C:1 no. CFC: 8 nos. Sale: Residential: 219 nos. CFC: 2 nos.
24.Number of expected residents / users	Composite Bldg :1310 Nos. , Sale Bldg : 1095 Nos.
25.Tenant density per hectare	987.5 tenant/hector
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 mtr wide access road which is connected to 18.30 mtr wide DP road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum of 6.5 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	Sale : 100 KLD; Composite Bldg 115 KLD
	Recycled water - Flushing (CMD):	Sale: 52 KLD; Composite bldg: 59 KLD
	Recycled water - Gardening (CMD):	Sale: 3 KLD, Composite: 1 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sale: 155 KLD; Composite bldg: 175 KLD
	Fire fighting - Underground water tank(CMD):	Sale: 200 Cum ; Composite Bldg: 200 Cum
	Fire fighting - Overhead water tank(CMD):	Sale: 125Cum ; Composite Bldg: 150 Cum
	Excess treated water	Sale: 73Cum ; Composite Bldg: 86Cum
Wet season:	**Source of water**	MGCM/RWH
	Fresh water (CMD):	Sale : 100 KLD; Composite Bldg 115 KLD
	Recycled water - Flushing (CMD):	Sale: 52 KLD; Composite bldg: 59 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sale: 152 KLD; Composite bldg: 174KLD
	Fire fighting - Underground water tank(CMD):	Sale: 200 Cum ; Composite Bldg: 200 Cum
	Fire fighting - Overhead water tank(CMD):	Sale: 125Cum ; Composite Bldg: 150 Cum
	Excess treated water	Sale: 76 Cum ; Composite Bldg: 87Cum
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.5 to 3.0 mts
	Size and no of RWH tank(s) and Quantity:	2 nos. of RWH, Quantity: 26 cum & 19 cum
	Location of the RWH tank(s):	Below ground level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.4 Lakh/Annum
	Details of UGT tanks if any :	Domestic tank: 241 Flushing tank: 108 Fire fighting Tank: 400
35.Storm water drainage	**Natural water drainage pattern:**	NW to SE
	Quantity of storm water:	Actual Discharge : 0.121 m3/sec (Sale and composite bldg) Design Discharge : 0.09 m3/sec (Sale and composite bldg)
	Size of SWD:	300 mm X 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	Sale: 142 KLD ; Composite Bldg : 162 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Sale: 150 KLD ; Composite Bldg : 190 KLD
	Location & area of the STP:	Ground level, Area of STP: rehab: 300sq.m, Sale: 100 sq.m
	Budgetary allocation (Capital cost):	Rs. 74 Lakh
	Budgetary allocation (O & M cost):	Rs. 11 Lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	Sale: 237 kg/day; composite: 261 Kg/day.
	Wet waste:	Sale: 336 kg/day; composite bldg :385 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 Kg/Day; composite bldg :9 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be managed through recyclers
	Wet waste:	Will be composted in organic waste converters
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure in landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	Total Area: Composite: 32 sq.m; Sale: 33 sq.m
	Area for machinery:	Total Area: Composite: 32 sq.m; Sale: 33 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12 Lakh
	O & M cost:	Rs. 4 Lakh/ annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	936.15 Sq. m
	No of trees to be cut :	Nil
	Number of trees to be planted :	50
	List of proposed native trees :	as listed bleow
	Timeline for completion of plantation :	At the end of Construction Phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Blackboard tree	10	Evergreen Tree
2	Melia azederach	Indian lilac	11	Evergreen Tree
3	Callistemon lanceolatu	Crimson Bottlebrush	16	Ornamental plant
4	Bauhinia acuminata	White Orchid-tree	13	flowering plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	Sale:1577 KW, Rehab: 1732 KW
	During Operation phase (Demand load):	Sale:927 KW, Rehab: 1061 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Sale 300 KVA : ; Composite bldg : 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Road & Landscaping-60% on solar
Parking - T8 lights to T5
Lobby & staircase LED lights -Incandescent to LED
Lifts - with VFD & Regenerative Type

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving: 15.5 %	Total Energy saving: 15.5 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 46 Lakh
	O & M cost:	Rs.5 lakh/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for Dust Suppression	2
2	EHS	Site Sanitation	2
3	Environmental Monitoring	Environmental Monitoring	6
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	30	1.4
2	Water Environment	STP	74	11
3	Energy	Solar System	46	5
4	Land Environement	landscaping	15	1.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no. of entry & exit

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	809.33 sq.mt
	Area per car:	28sq.m
	Area per car:	28sq.m
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	139 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (2.02 km)
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category B
	Court cases pending if any	NA
	Other Relevant Informations	This is an amendment project.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-09-2016

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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