SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for "VIVA CITY – VIRAR" - Amendment for Residential & Commercial Buildings at Plot bearing S. No. 296, 297, 298, 299, 303, 390B, 304 & 324 Village – Bolinj, Tal – Vasai, District: Palghar, Maharashtra By M/s Viva Winner Venture Realtors LLP.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	"VIVA CITY – VIRAR" - Amendment for Residential & Commercial Buildings
2.Type of institution	Private
3.Name of Project Proponent	M/s Viva Winner Venture Realtors LLP.
4.Name of Consultant	Project Proponent : M/S Viva Winner Venture Realtors LLP.; Architect : M/S. Encon Consulting Engineers; MEP: Architectural Energy solutions (P) Ltd.; Traffic Consultant & DMP Consultant: M/S. Sustainable Approach For Green Environment; Environmental Consultant : M/s Enviro Analysts And Engineers Pvt. Ltd.
5.Type of project	Amendment for Residential & Commercial Buildings
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC was obtained for the proposed project on 4th September, 2014
8.Location of the project	Residential cum Commercial project at Plot bearing S. No. 296, 297, 298, 299, 303, 390B, 304 & 324 Village – Bolinj, Tal – Vasai, District: Palghar, Maharashtra.
9.Taluka	VIRAR
10.Village	BOLINJ
11.Area of the project	VVCMC (Vasai-Virar Municipal Corporation)
12.IOD/IOA/Concession/Plan Approval Number	VVCMC/NR/74/2017-18 dated 7th April 2017
	IOD/IOA/Concession/Plan Approval Number: VVCMC/NR/74/2017-18 dated 7th April 2017
	Approved Built-up Area: 242628.06
13.Note on the initiated work (If applicable)	Construction initiated for north zone as per EC received 4th September 2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	93760 sqm
16.Deductions	22123.75 sqm
17.Net Plot area	71636.25 sqm
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 132293.18
	b) Non FSI area (sq. m.): 110334.88
	c) Total BUA area (sq. m.): 242628.06
19.Total ground coverage (m2)	20.81%
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19512 sqm
21.Estimated cost of the project	3300000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	North Side : A1 to A5	G /St+ 16 Floors	49.85
2	North Side : A6 to A11	G /St+ 16 Floors	48.30
3	North Side : CFC	St+3 floors	15
4	North Side :Club house	Ground floor structure	4.2
5	South Side : T-1,T-2, T-3	St+ 3P+ 19 Floors	69.95

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6	South Side : T-4, T- 5, T-6, T-7	ST.+ 22 Floors	68.30
7	South Side : Club House	Ground floor structure	4.2
8	NA	NA	NA

23.Number of tenants and shops	Total Residential –2594 No's Shops-60 No's Clubhouse - 2 No's CFC-2 No's
24.Number of expected residents / users	Total population:13,626 No's. Residential:12,960 No's Shops: 267 No's Clubhouse: 30 no's CFC: 360 No's
25.Tenant density per hectare	365.35 tenements per 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)	20 mt wide DP road passing through the plot Bolinj Sopara 2 lane undivided collector road (12.0 mt wide DP Road) 30 mt wide Chhatrapati Shivaji Marg/ Bolinj Agashi Road 4 lane divived sub arterial road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	Construction has been done as per previous EC except for Building no. 6 & 7 - The construction work done so far is 27,120.28 Sq.m Now, PP intended to go for amendment in South side of Plot.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	VVCMC / Recycled water
	Fresh water (CMD):	1176
	Recycled water - Flushing (CMD):	644
	Recycled water - Gardening (CMD):	59
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1879
	Fire fighting - Underground water tank(CMD):	(300 KLD for NZ) ; (300 KLD for SZ)
	Fire fighting - Overhead water tank(CMD):	20 Kl For Each North Zone Tower 20kld For Each South Zone Tower
	Excess treated water	806
Wet season:	**Source of water**	VVCMC / Recycled water/ RWH
	Fresh water (CMD):	1176
	Recycled water - Flushing (CMD):	644
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1820
	Fire fighting - Underground water tank(CMD):	(300 KLD for NZ) ; (300 KLD for SZ)
	Fire fighting - Overhead water tank(CMD):	20 Kl For Each North Zone Tower 20kld For Each South Zone Tower
	Excess treated water	832
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table was observed at depths between 1.5 m and 2.1 m below ground surface in the boreholes. Annual and seasonal fluctuations in ground water levels can also be expected to occur.
	Size and no of RWH tank(s) and Quantity:	North Zone : 1 x 240 cum; South Zone : 1 x 145 cum
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	26.5 Lakhs
	Budgetary allocation (O & M cost) :	3.5 Lakhs
	Details of UGT tanks if any :	North Zone : Domestic Water tank-914.3 cum Flushing tank-329.2 cum RWH tank-240 cum Fire tank-2 tanks of 150 cum South zone : Domestic tank-570cum Flushing tank-314 cum Fire tank- 2 tanks of 150 cum RWH tank-145 cum
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	North Zone : 1509 L/s & South Zone : 1140L/s
	Size of SWD:	For North Zone : 1 NO. OF 1000MM Diameter ; For South Zone: 2 NOS. OF 600MM WIDE & 1.3M DEEP SWD
Sewage and Waste water	**Sewage generation in KLD:**	1551 KLD
	STP technology:	SAFF AND MBBR
	Capacity of STP (CMD):	North Zone : Bldg. A1 to A5- 390 KLD, Bldg. A6 to A11 -410 KLD C.F.C 1– 15 KLD & C.F.C – 10 KLD ; South Zone : 800 KLD - 1 STP of Modular type
	Location & area of the STP:	North Zone : 416.00 Sqm(Ground) ; South Zone : 620 Sqm (Underground)
	Budgetary allocation (Capital cost):	273 Lakhs
	Budgetary allocation (O & M cost):	70 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation Quantity: 4500 Cum.
	Disposal of the construction waste debris:	Construction waste shall be used on site and remaining shall be sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	2464 kg/day
	Wet waste:	3696 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	100 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Collected by recyclers
	Wet waste:	Utilized as manure through Organic Waste composting machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	64 sqm (includes total raw material storage area for both north and south zone)
	Area for machinery:	144.8 sqm (total area for plant for both north and south zones)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	37 Lakhs
	O & M cost:	8.95 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

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43.Green Belt Development	**Total RG area :**	Total RG area on ground: RG Required = 10900.39 Sq.mts RG Proposed = 10904.06 Sq.mts
	No of trees to be cut :	NA
	Number of trees to be planted :	Total no of trees proposed: 1,016 Nos.; Total no of Shrubs proposed: 13,958 No's
	List of proposed native trees :	As mentioned in the List of proposed plantation on ground
	Timeline for completion of plantation :	At the time of completion of the 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	North Zone : SAMANEA SAMAN	NA	12	NA
2	DELONIX REGIA	NA	11	NA
3	ALSTONIA SCHOLARIS	NA	11	NA
4	BAUHINIA BLAKEANA	NA	12	NA
5	CASSIA FISTULA	NA	11	NA
6	MAGNIFERA INDICA	NA	11	NA
7	AZADIRACHTA INDICA	NA	12	NA
8	ARTOCARPUS HETEROPHYLLUS	NA	12	NA
9	MANICARO ZOPATA	NA	11	NA
10	PLUMERIA ALBA	NA	10	NA
11	COCOS NUSIFRA	NA	06	NA
12	ARECA CATECHU	NA	110	NA
13	FISHTAIL PALM	NA	13	NA
14	TRAVELLER'S PALM	NA	25	NA
15	WASHINGTONIA PALM	NA	86	NA
16	Total No of proposed trees for North ZOne	NA	353	NA
17	South Zone :	NA	NA	NA
18	Bauhinea purpurea	NA	152	NA
19	Tabebuia rosea	NA	87	NA
20	Plumeria actufolia	NA	63	NA
21	Largestromea thorelli	NA	10	NA
22	Largestromea flos reginae	NA	69	NA
23	Anthocephalpus chinensis	NA	51	NA
24	Grevillea robusta	NA	231	NA

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25	Total No of proposed trees for South ZOne	NA	663	NA
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	North Zone : Total No of Shrubs - 12847	As per recommendations	As per recommendations
2	North Zone : Total No of Shrubs - 1111	As per recommendations	As per recommendations

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	North Zone : 40 kW ; South Zone : 80.09 kW
	DG set as Power back-up during construction phase	North Zone : 62.5 kVA ; South Zone : 100 kVA
	During Operation phase (Connected load):	7944.53 KW (North Zone : 4475KW & South Zone : 3469.53KW)
	During Operation phase (Demand load):	6332 KW (North Zone : 3499KW & South Zone :2833KW)
	Transformer:	North Zone : NA ; South Zone : 200 kVA
	DG set as Power back-up during operation phase:	North Zone : 3 x 250 KVA , 1 x175 KVA , 1 x 500KVA , 1x 315 KVA, 1x150 KVA; South Zone - 1 x 630 kVA
	Fuel used:	High speed diesel
	Details of high tension line passing through the plot if any:	North Zone : NA; South Zone : 11 kV

48.Energy saving by non-conventional method:

Energy saving initiatives through renewable component (Solar)

For North Side Plot:
01.Total Lighting Load for Common Area Lighting = 42 kW
02.Total Electrical Load considered on Solar PV system = 6.72 kWp
03.Percentage of Common Area Lighting proposed on Solar PV System= 16%

For South Side Plot:
01. Total Lighting Load for Common Area Lighting =75 kW
02.Total Electrical Load considered on Solar PV system =12 kWp
03. Percentage of Common Area Lighting proposed on Solar PV System = 16 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Total energy savings for the project (North Zone)	26 %
2	• Total energy savings for the project (South Zone)	30.4 %

50.Details of pollution control Systems

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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:**	325 Lakhs
	O & M cost:	13 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Environment	Water for Dust Suppression	5
2	Site Sanitation & Safety	Site Sanitation & Safety	2
3	Environmental Monitoring	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	4
4	Disinfection	Disinfection	1
5	Health Checkup	Health Checkup	2
6	Total Cost	Total Cost	14

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	26.5	3.5
2	Solid waste management	MSW	37	8.95
3	Water Environment	STP	273	70
4	Energy	Energy System	325	13
5	Landscaping	Landscaping	120	12
6	Disaster Management	DMP	148.15	33.24
7	Total	Total	929.65	140.69

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	20 mt wide DP road passing through the plot ; Bolinj Sopara 2 lane undivided collector road (12.0 mt wide DP Road) ; Chhatrapati Shivaji Marg/ Bolinj Agashi Road: 4 lane divided Sub arterial Road (30.0 Mt wide DP Road)
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 podium of area 20364.84 Sqm
	Total Parking area:	34385.30 Sqm
	Area per car:	28.20 sqm
	Area per car:	28.20 sqm
	Number of 2-Wheelers as approved by competent authority:	North Zone: 1338nos (Required) , 1338 nos(Provided) ; South Zone : 938 nos(Required) , 1254nos (Provided)
	Number of 4-Wheelers as approved by competent authority:	North Zone: 748 nos (Required) , 754 nos(Provided) ; South Zone : 938 nos(Required) , 1007 nos (Provided)
	Public Transport:	NA
	Width of all Internal roads (m):	6 mt wide & 12 mt wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	NA
	Other Relevant Informations	The project “VIVA CITY – VIRAR” - Amendment for Residential & Commercial Buildings at Plot bearing S. No. 296, 297, 298, 299, 303, 390B, 304 & 324 Village – Bolinj, Tal – Vasai, District: Palghar, Maharashtra By M/s Viva Winner Venture Realtors LLP. was presented in the 51st meeting of SEAC II. After deliberation and review of details of the project, the project was appraised and recommended to SEIAA for Environmental Clearance.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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51(B) SEAC-1 Minutes :

Representative of PP Mithun Shah was present during the meeting along with Architect Sanjay Narang. PP informed that they have received earlier EC vide letter dated 4/09/2014 for total construction area of 1,95,182.33 m2. EIA was conducted for area of 3,21,984.54 m2 as per the ToR issued by SEAC II in its 10th meeting. Proposed expansion is due to TDR and increase in plot area of 12,290 m2. TDR area is 10,500 m2. Now total construction area is 2,41,432.79 m2. PP submitted EIA report. PP informed that they have completed construction admeasuring 27,120.28 m2 as per EC. PP informed that planning has been changed and same has been accounted in the comparative statement. There is a deletion of one building in south zone so instead of 8 building, 7 are proposed and subsequently one floor has been increased in all the buildings of north zone. Committee noted comparative changes due to proposed expansion/amendment.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that project was earlier considered in 49th SEAC II meeting. 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 93,760 m2 & total construction area of the project is 2,41,432.79 m2. Plans have been submitted to planning authority. Only vertical expansion is proposed. Committee noted that the project under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. PP to ensure that no possession shall be given before completion of the sewer lines & storm water drainage line and permission for the connection to the same by the competent authority. Local body to ensure the same. 2. PP to submit copy of NOC for fire. 3. PP to submit detailed source of drinking water and permission for water supply to the project from planning authority. 4. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Arkema Chemicals India Private Limited

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Expansion project for Manufacturing of resins
2.Type of institution	Private
3.Name of Project Proponent	Mr. Suresh Ramachandran
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	D-43/1 & D-43/5
9.Taluka	Thane
10.Village	Shirvane
11.Area of the project	Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 10052.77
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	564000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
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	Synthetic Resins such as; Acrylic Resin	1500	00	1500
2	Saturated powder polyester resins 00	00	1170	1170
3	Total	1500	1170	2670

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
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	11	00	11	2.5	00	2.5	8.5	00	8.5
Industrial Process	5	15	20	1.5	4.21	5.71	3.5	10.79	14.29
Cooling tower & thermopack	72	137	209	57.5	133.29	190.79	14.5	3.71	18.21
Gardening	10	00	10	10	00	10	00	00	00
Fresh water requirement	98	152	250	71.5	137.5	209	26.5	14.5	41.0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not applicable
	Size and no of RWH tank(s) and Quantity:	20 Cubic Meter and 1 no.
	Location of the RWH tank(s):	RWH will be implemented. Plan is under review.
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	5.5 Lakhs / annum
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Existing : 2 nos. of water tank, Proposed 1 no. Water Tank
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains available, as per natural slope.
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	8.5 KLD
	STP technology:	Sewage will be treat in ETP
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not applicable
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Not applicable
	Wet waste:	ETP Sludge, Wastes and Residues, Spent Solvent, Spent Oil, Waste/ Residue (not made with vegetable or animal mate)
	Hazardous waste:	ETP Sludge : 5.6 MT/M, Wastes and Residues : 10 MT/M, Spent Solvent : 7 MT/M, Spent Oil : 90 Lit/M, Waste/ Residue (not made with vegetable or animal mate) : 0.52 MT/M
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

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Mode of Disposal of waste:	**Dry waste:**	Not applicable
	Wet waste:	Will be send to CHWTSDF, Authorised Recycler
	Hazardous waste:	Will be send to CHWTSDF, Authorised Recycler
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Building Area
	Area for the storage of waste & other material:	947.6 Sq. Mtr.
	Area for machinery:	1221.32 Sq. Mtr.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Including in Total Capital cost
	O & M cost:	32.26 Cr.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.3-7.4	7.0-8.0	6.0-8.5
2	Oil and Grease	mg/l	7-10	5-6	<10.0
3	BOD	mg/l	3000-4000	60-80	<100
4	COD	mg/l	8000-11000	200-240	<250
5	Total Suspended Solid	mg/l	50-100	70-80	<100
6	Total Dissolved Solids	mg/l	800-1000	800-1000	<2100

Amount of effluent generation (CMD):	41 CMD
Capacity of the ETP:	50 CMD
Amount of treated effluent recycled :	00 CMD
Amount of water send to the CETP:	41 CMD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	The treatment scheme involves Primary, Secondary and tertiary treatment. Treated water will be sent to CETP for further treatment.
Disposal of the ETP sludge	ETP sludge will be disposed to TTCWMA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Solvent	28.5	MT/M	00	7	7	Authorised Recycler
2	ETP Sludge	34.3	MT/M	0.6	5.0	5.6	CHWTSDF
3	Waste/ Residue (not made with vegetable or animal mate)	23.1	MT/M	0.02	0.5	0.52	CHWTSDF
4	Spent Oil	5.1	MT/M	40	50	90	Authorised Recycler
5	Wastes and Residue	21.1	MT/M	4	6	10	CHWTSDF / Recycle back to authorised Recycler

39.Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Thermopack (10 lkcal/h)	PNG (2350 SCMD)	1	32	0.6	166o C
2	Thermopack (15 lkcal/h)	PNG (2350 SCMD)	1	30	0.6	188o C
3	Thermopack (20 lkcal/h) Proposed	PNG (5540 SCMD) / FO (5.2 TPD)	1	35	1	180o C
4	DG Set (380 KVA)	HSD (50 lit/hr)	1	4.3 Above enclosure	0.14	172o C
5	DG Set (250 KVA)	HSD (50 lit/hr)	1	4.3 Above enclosure	0.14	246o C
6	DG Set (380 KVA) Proposed	HSD (80 lit/hr)	1	4.0 Above enclosure	0.14	175o C
7	Scrubber (Glycol)	NA	1	4.3	0.03	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	PNG	4700 SCMD	5540 SCMD	10240 SCMD
2	FO	NA	5.2 TPD	5.2 TPD
3	HSD	100 Lit/hr	80 Lit/hr	180 Lit/hr
41.Source of Fuel		From market/ out sider fuel companies		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	3050 Sq. Mt.
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	150 nos.
	List of proposed native trees :	150 nos.
	Timeline for completion of plantation :	6 month after grant of EC

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	Cocosnucifera	Naral	10 nos.	Dust Resistant and Local Variety
2	Ficusreligiosa	Pimpal	10 nos.	Dust Resistant and Local Variety
3	Mangiferaindica	Mango	05 nos.	Dust Resistant and Local Variety
4	Ficusracemosa	Umber	15 nos.	Dust Resistant and Local Variety
5	Polyalthialongifolia	False Ashok	40 nos.	Dust Resistant and Local Variety
6	Peltophorumpterocarpum	Sonmoher	20 nos.	Dust Resistant and Local Variety
7	Saracaasoka	Ashok	40 nos.	Dust Resistant and Local Variety
8	Plumeria alba	Chaffa	10 nos.	Dust Resistant and Local Variety
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing 1283 KVA, Proposed 1925 KVA
	During Operation phase (Demand load):	Existing Power requirement : 679 KVA , Proposed power requirement : 700 KVA
	Transformer:	Existing 500 KVA 2 nos. Proposed 1500 KVA
	DG set as Power back-up during operation phase:	Existing : 380 KVA and 250 KVA DG sets, Proposed: 250 KVA DG set will be replaced by new 380 KVA DG Set
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	By dispersal into atmosphere through chimney of adequate/ recommended height	By dispersal into atmosphere through chimney of adequate/ recommended height.
Water	ETP consisting of Primary and Secondary treatment only	New ETP consisting of Primary, secondary and tertiary treatment. Treated effluent will be sent to CETP.
Noise	PPE & Acoustic enclosure for existing DG sets.	Acoustic enclosure for proposed D.G of 380 KVA & PPE
Solid Waste	Hazardous waste is being disposed to CHWTSDF	Hazardous waste will be disposed to CHWTSDF There is no increment in Non-hazardous waste

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

51.Environmental Management plan Budgetary Allocation

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a) Construction phase (with Break-up):			
Serial Number	**Attributes**	**Parameter**	**Total Cost per annum (Rs. In Lacs)**
1	NA	NA	NA

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Air Pollution Control	The emissions from Process & fuel stacks - Stack with Adequate height.	30.0	10.0
2	Water Pollution Control	The waste water will be treated in Effluent Treatment Plant. The source of water supply is MIDC and ETP treated effluent will be sent to CETP.	125.0	10.3
3	Noise Pollution Control	Smooth roads. No Vibrations. Acoustic enclosures to D G set as per manufacturers design. Trees shall be planted & developed to its growth.	10.0	5.0
4	Environment Monitoring and Management	For the effective implementation of the EMP, an Environmental Management System (EMS) will be established at the proposed project. The EMS will include- ? An Environmental Management cell ? Environmental Monitoring Program ? Personnel Training ? Regular Environmental Audits and Corrective Action ? Documentation – Standard operating procedures ? Environmental Management Plans and other records	NA	1.8

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5	Occupational Health	Cleanliness of all workplaces will be emphasized upon. Sufficient and suitable lighting arrangements will be provided in all working areas. Effective provisions of drinking water at convenient places will be made for the work force. Apart from the above provisions, the health of all personnel will be consistently monitored for occupational diseases through medical check-ups at regular intervals carried out by a registered medical practitioner.	15.0	2.1
6	Green Belt	Available Green belt area is 3050m2, 150 numbers of Shrubs and Trees will be planted in green belt within factory premises.	1.5	0.5
7	Solid waste management	Segregation category wise and disposed to CHWTSDF	NA	2.0
8	Rain Water Harvesting	Roof water will be collected by rain water pumping system and stored for further use.	5.5	NA
9	CSR	Education, healthcare	NA	1.0

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Phosphoric Acid	Liquid	R.M. Godown no.1	0.2	0.2	0.07	Local	Road
Glycerophosphric Acid	Liquid	R.M. Godown no.1	0.2	0.2	0.06	Local	Road
Benzoic Acid	Solid	R.M. Godown no.1	10	10	5	Local	Road
Adipic Acid	Solid	R.M. Godown no.1 & 3	55	55	35	Local / Import	Road / Sea
Itaconic Acid	Solid	R.M. Godown no.1	1	1	0.1	Local	Road
Isophthalic Acid	Solid	R.M. Godown no.1	55	55	44	Local / Import	Road / Sea
Pure Terephthalic Acid	Solid	R.M. Godown no.1 &3	20	20	19	Local	Road
TPP (Triphenyl Phosphite	Liquid	R.M. Godown no.1	0.3	0.3	0.07	Local	Road

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Triethylene Tetramine (Teta)	Liquid	R.M. Godown no.5	16	16	32	Local / Import	Road / Sea
TEPA	Liquid	R.M. Godown no.5	8	8	2	Import	Road / Sea
Trimellitic Anhydride	Solid	R.M. Godown no.1	1	1	0.15	Local	Road
Phthalic Anhydride	Solid	R.M. Godown no.1 & 3	60	60	103	Local / Import	Road / Sea
Maleic Anhydride	Solid	R.M. Godown no.1	5	5	0.1	Local	Road
Fascat4100	Solid	R.M. Godown no.1	0.2	0.2	0.1	Local	Road
Calcium Octoate	Liquid	R.M. Godown no.1	0.1	0.1	0.02	Local	Road
Zinc Octoate 6%	Liquid	R.M. Godown no.1	0.1	0.1	0.05	Local	Road
Lithium Hydroxide	Solid	R.M. Godown no.1	0.1	0.1	0.05	Local	Road
Epoxy Resingy-250	Liquid	R.M. Godown no 2	1.5	1.5	0.6	Local	Road
Soya Fatty Acid	Liquid	Tank	40	32	40	Local	Road
Unfatic Acid	Liquid	R.M. Godown no 5	5	5	2.5	Local	Road
Dimer Acid	Liquid	Tank & Godown no.5	60	55	65	Local / Import	Road / Sea
Cardura E-10	Liquid	R.M. Godown no.4	2	2	3	Local	Road
Lauric Acid 99%	Powder	R.M. Godown no.1	10	10	1	Local	Road
NPG	Solid	R.M. Godown no.3 & 6	70	70	86	Local / Import	Road / Sea
Glycerine	Liquid	R.M. Godown no.5	15	15	19	Local	Road
Monoethylene Glycol	Liquid	Tank	18	14	8	Local	Road
Diethylene Glycol	Liquid	Tank	18	14	12	Local	Road
M P Diol Glycol	Solid	R.M. Godown no.1	1	1	0.3	Local	Road
Penta Erythritol	Solid	R.M. Godown no.3 & 6	20	20	14	Local / Import	Road / Sea
TMP	Solid	R.M. Godown no.6	2	2	0.4	Local	Road
Normal Dodecyl Mercaptan	Liquid	R.M. Godown no.2	1	1	0.1	Local	Road
Tertiary Dodecyl Mercaptan	Liquid	R.M. Godown no.2	1	1	0.2	Local	Road
Acrylic Acid	Liquid	R.M. Godown no.2	2	2	1.5	Local	Road
Hydroxy Ethyl Methacrylate	Liquid	R.M. Godown no.2	16	16	5.5	Local / Import	Road / Sea
2-Hydroxyl Ethyl Acrylate	Liquid	R.M. Godown no.2	16	16	10	Local / Import	Road / Sea
N-Butyl Mehtacrylate	Liquid	R.M. Godown no.2	16	16	6	Import	Road / Sea
Ethyl Hexyl Acrylate	Liquid	R.M. Godown no.2	5	5	2	Local	Road
Hydroxyproplyl Methacrylate	Liquid	R.M. Godown no.2	16	16	10	Local / Import	Road / Sea
MMA	Liquid	Tank & R.M. Godown no.2	20	17	15	Local	Road
Styrene Monomer	Liquid	Tank & R.M. Godown no.2	20	17	48	Local	Road
2-Hydroxy Propyl Acrylate	Liquid	R.M. Godown no.2	2	2	0.5	Local	Road
Butyl Acrylate	Liquid	Tank & R.M. Godown no.2	16	16	30	Local	Road
Methacrylic Acid	Liquid	R.M. Godown no.2	2	2	0.5	Local	Road
Caustic Soda	Solid	R.M. Godown no.1	2	2	0.3	Local	Road
DTAP	Liquid	Peroxide room / A/C Stores	1.2	1.2	0.5	Local	Road

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Tertiary Butly Perbenzoate	Liquid	Peroxide room / A/C Stores	1.2	1.2	0.7	Local	Road
DTBP	Liquid	Peroxide room / A/C Stores	1.5	1.5	2	Local	Road
MEKP	Liquid	Peroxide room / A/C Stores	0.1	0.1	0.01	Local	Road
Di Butyl Tin Dilaurate	Liquid	Peroxide room / A/C Stores	0.1	0.1	0.01	Local	Road
Distlled Aromax	Liquid	R.M. Godown No. 4	5	5	2	Local	Road
Mineral Turpentine	Liquid	Tank & R.M. Godown no.4	40	32	25	Local	Road
Mixed Xylene	Liquid	Tank & R.M. Godown no.4	80	66	70	Local	Road
Mixed Xylene (Paint Grade)	Liquid	R.M. Godown No. 4	5	5	6.5	Local	Road
Methoxy Propyl Acetate	Liquid	R.M. Godown No. 4	2	2	0.7	Local	Road
CIX Solvent	Liquid	Tank & R.M. Godown no.4	60	52	105	Local	Road
Industrial Solvent Mcee-Ten(A)	Liquid	Tank & R.M. Godown no.4	40	33	55	Local	Road
Butyl Cellosolve	Liquid	Tank&Godown no.4	30	24	35	Local	Road
Ethoxy Ethyl Propionate	Liquid	R.M. Godown No. 4	2	2	0.3	Local	Road
Butyl Acetate	Liquid	R.M. Godown No. 4	10	10	3.5	Local	Road
Normal Butanol	Liquid	R.M. Godown No. 4	10	10	3.5	Local	Road
Isopropyl Alcohol	Liquid	R.M. Godown No. 4	1	1	0.2	Local	Road
MIBK	Liquid	R.M. Godown No. 4	1	1	0.1	Local	Road
Cellosolve Acetate	Liquid	R.M. Godown No. 4	9	9	7	Local	Road
Toluene Di Isocyanate	Liquid	Isolated Godown in R.M. Godown no.1	2	2	2	Local	Road
Ethilene Glycol	Solid	Tank	18 KL	15 KL	35	Local	Road
Neopentyl Glycol	Solid	Godown No. 01	50 MT	50 MT	116	Local / Import	Road / Sea
Neopentyl Glycol 90%	Liquid	Tank	60 Kl	50 KL	408	Local / Import	Road / Sea
Terphtalic Acid	Solid	Godown No. 01	100 MT	100 MT	618	Local	Road
Adipic Acid	Solid	Godown No. 01	10 MT	10 MT	47	Local / Import	Road / Sea
Isophtalic Acid	Solid	Godown No. 01	20 MT	20 MT	175	Local / Import	Road / Sea

52.Any Other Information

No Information Available

53.Traffic Management

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

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2723 Sq. Mtr.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 Mtr.
	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	5 (f)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-12-2015

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Brief information of the project by SEAC

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The Committee considered the project under 5 (f)-B1 category of EIA Notification 2006. The PP gave a detailed presentation of EIA Report pertaining to the proposed expansion of the project by adding 1170 MT/M of powder resin with 0% solvent content to existing production of 1500 MT/M solvent borne liquid resins. The process will remain the same except for the addition of flaking operation.

DECISION OF SEAC

After discussion the Committee made the following observations:

1. The project involves 250 CMD of fresh water which will be provided by TTC MIDC Shiravane [existing 98 CMD + proposed 152 CMD]. The effluent treatment process is given in ***Annexure 2.1*** and features an ETP of capacity 50CMD consisting of Primary, Secondary and Tertiary treatments. The ETP will treat 41.5 CMD of trade and domestic waste water and after treatment the same quantum will be sent to the CETP. The Committee was given to understand that the CETP at TTC MIDC Shiravane **has additional capacity to accept the hydraulic load**. 2. The effluent treatment also features Membrane Bioreactor to be provided by Aquachem. **The operation of membrane bio-reactor should be the responsibility of PP** and Aquachem should transfer the technology for operating the Membrane bioreactor to the PP. Dioxene formed in the process should be separately treated in scrubber to convert it into bio-degradable compound before leading the effluent into the ETP. The PP shall facilitate online monitoring of hydrocarbon at the vent of the scrubber. 3. The PP has 2 existing thermopacks of 10 lakh kcal/hr and 15 lakh kcal/hr with stack heights of 30m & 32m respectively. Both use PNG as fuel. The PP proposes a third thermopack of 20 lakh kcal/hr with stack height of 35m using PNG (FO when PNG is not available). Stack height calculations were verified. TPM of less than 100 mg/Nm3 shall be achieved at the stack end. 4. The detailed analysis of Risk Assessment and Risk Mitigation studies were carried out, which indicates that there will not be any off-site emergency. Mitigation measures are depicted in ***Annexure 2.2***. Necessary training shall be given to employees and necessary guidelines should be displayed wherever required. Salient features of MSDS may also be displayed at appropriate locations.

The Committee went through the all aspects of Environmental Impact and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project. The Committee therefore decided to **recommend** the project for **EC** subject to the observations (1-4) above.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Greenfield project of R&D, Pilot plant for food and non-food additives

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Privi Biotechnologies Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pradip Yelave
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
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	D - 122
9.Taluka	Thane
10.Village	Nerul
11.Area of the project	Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 1104
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2100 Sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	130000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
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	Flavors & fragrances like a. Vanillin b. Flavor esters	NA	20 kg/batch	20 kg/batch
2	Food additives and nutraceuticals like a. Xylitol b. Fatty Acids c. Mono & diglycerides etc.	NA	50 kg/batch	50 kg/batch
3	Biopolymers	NA	50 kg/batch	50 kg/batch

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
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	0	4	4	0	1	1	0	3	3
Industrial Process	0	9	9	0	1	1	0	8	8
Cooling tower & thermopack	0	76.2	76.2	0	71(29 CMD)	71(29 CMD)	0	5.20	5.20
Gardening	0	4	4	0	4	4	0	0	0
Fresh water requirement	0	93.2	93.2	0	77	77	0	16.2	16.2

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains available, as per natural slope
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	3 KLD
	STP technology:	treat in combine ETP
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	E -waste
	Wet waste:	Empty barrels, bottles and containers Solid waste from process Solid waste from con. technique Solid adsorbent resins
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Send to MWML and Sold to authorized recyclers
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Building Area
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	1104 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5.5 Cr.
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-7	6-7	6 - 9
2	COD	mg/lit	4500 - 7500	200 - 250	< 250
3	BOD	mg/lit	1500 - 3500	80 - 100	< 100
4	TDS	mg/lit	5000 - 7000	5000 - 7000	< 2100
5	TSS	mg/lit	80 - 120	10 - 20	< 100

Amount of effluent generation (CMD):	16.20 CMD
Capacity of the ETP:	21 CMD
Amount of treated effluent recycled :	45 CMD
Amount of water send to the CETP:	Its Zero Liquid Discharge
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Liquid effluents will be treated in effluent treatment plant of capacity 21 CMD, fed to RO and evaporator to achieve Zero Liquid Discharge (ZLD)
Disposal of the ETP sludge	Not Applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Empty barrels, bottles and containers	NA	Nos. / year	NA	500	500	Sold to authorized recyclers
2	E -waste	NA	Kg / year	NA	100	100	Sold to authorized recyclers
3	Solid waste from process	NA	Kg / year	NA	7200	7200	Used as manure / send to authorized recyclers
4	Solid waste from con. technique	NA	Kg / year	NA	3000	3000	Send to MWML, Taloja
5	Solid adsorbent resins	NA	Kg / year	NA	800	800	Send to incineration

39.Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (Non IBR) Kg/hr	CNG = 109.68 SCM/hr or FO = 96.26 Kg/hr or LDO = 86.23 Kg/hr	1	30	0.40	275 deg. cel.
2	Thermic Fluid Heater (Non IBR)	CNG= 6.68 SCM/hr, LDO = 6 Kg/hr, Biofuel = 6 Kg/hr	1	30	0.40	275 deg. cel.
3	DG KVA	LDO = 60 Kg/hr	1	3.5	0.40	150 deg. cel.

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	CNG or	00	109.68 SCM/hr	109.68 SCM/hr
2	FO or	00	90.26 Kg/hr	90.26 Kg/hr
3	LDO	00	86.23 Kg/hr	86.23 Kg/hr
4	LDO for DG set	00	60 Kg/hr	60 Kg/hr
41.Source of Fuel		From market/ out Sider fuel companies		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	350 Sq.m.
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	40
	List of proposed native trees :	40
	Timeline for completion of plantation :	6 month after grant of EC

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	05	Dust Resistant and Medicinal Value
2	Ficus religiousa	Pimpal	05	Dust Resistant and Local Variety
3	Cocos nucifera	Naral	05	Dust Resistant and Local Variety
4	Polyalthia longifolia	Ashok	20	sound Barrier and Local Variety
5	Terminalia catappa	Badam	05	Dust Resistant and Local Variety
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	427 KW
	During Operation phase (Demand load):	382 KW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	315 KVA
	Fuel used:	LDO
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler (1500 kg/hr.)	NA	Stack of 30 m. height
Thermopack (50,000 kcal/hr.)	NA	Stack of 30 m. height
D G Set (315 KVA)	NA	Stack of 3.5 m height, acoustic enclosure

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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1	Air pollution control	Stack	2.00	0.14
2	Water Pollution control	ETP, MEE & RO	102.00	12.00
3	Noise pollution control, Env. Monitoring	Acostic enclosure to 325 KVA D G set	1.8	3.4
4	Occupational health	First aid rooms	7.60	2.0
5	Green belt	Green belt development	2.00	0.30
6	Non-hazardous waste storage & Disposal	Transport and disposal	0.20	23.00
7	Hazardous waste storage & disposal	Transport and disposal	2.00	4.60
8	CSR activity	Education, healthcare, infrastructure development	NA	35.00

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
Alcohol water	Liquid	Barrel	5000 kg	5000 kg	840 kg/batch	Local	By Road
Sulfuric acid (30 %)	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Nitric Acid (70%)	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Hydrochloric acid	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Sodium Hydroxide	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road
Sodium carbonate	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road
Potassium hydroxide	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable

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Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	252 Sq. Mtr.
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 Mtr.
	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	5 (f)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-08-2016

Brief information of the project by SEAC

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136th SEAC-1 Minutes : The project was considered under category 5(f)-B1 of the schedule of the EIA Notification, 2006. The PP gave detailed presentation for EIA report for proposed greenfield project for R&D pilot plant for food and non-food additives for the following projects sanctioned by Government of India:

Project No.1: Sanctioned by Department of Biotechnology - '*Pilot scale translational facility for value added chemicals from biomass*'

Project No.2: Sanctioned by Indo German Science & Technology Center - '*Design of Selective nanoporous membrane bioreactor for efficient production of bio-butanol from lignocellulosic sugars*' Project No.3: Department of Science and Technology - *Green enzymatic fat-splitting technology for production of fatty acids and acyl glycerols*

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DECISION OF SEAC

After detailed discussion the Committee made the following observations:

1. The baseline studies indicate that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project. 2. The project will run as a Zero Liquid Discharge system. The liquid effluent shall be processed through RO, MEE and ETP each of 21 CMD capacity. 3. The PP contended that there would not be any odor problem. 4. The PP shall be deploying 1.5 TPH boiler and 50,000 kcal/hr thermic fluid heater which will be using CNG/LDO, the emission of thereof shall be let out through stack of height 30m. Notwithstanding the relatively non-polluting character of emissions the TPM <100 mg/Nm3. 5. 99% recovery of solvents shall be achieved. Unused solvents shall be sold to authorized vendors. 6. The project does not classify as accidental hazardous unit however the Committee insisted that Alcohol water solution should not be prepared in situ but outsourced from outside. ***Annexure 22.1*** gives diagram of hazard management facilities provided by the PP.

After considering all aspects of Environmental Impact the Committee decided to **recommend** the project for **EC** subject to the above (2-6) conditions. This recommendation will be restricted to the projects of GoI presented before the Committee. For any new projects the PP shall apply for fresh EC.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Residential & Commercial Project â??Ambika estateâ?? At survey no. 7, 8, 9, 13 to 15, 19, 22 to 28, 30, 31 pt. & pardi (2) of Village borpada, Taluka: Bhiwandi, District: Thane, Maharashtra.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed Residential & Commercial Project â??Ambika estateâ??
2.Type of institution	Private
3.Name of Project Proponent	Mr. Anup Shyam Karnani
4.Name of Consultant	ABC Techno Labs India Private Limited
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey no. 7, 8, 9, 13 to 15, 19, 22 to 28, 30, 31 pt., & pardi (2) of Village borpada, Taluka: Bhiwandi
9.Taluka	Bhiwandi
10.Village	Borpada
11.Area of the project	Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Development Control Regulations for Bhiwandi Surrounding Notified Area.
	IOD/IOA/Concession/Plan Approval Number: MMRDA Approval No. SROT/BSNA/2501/BP/Borpada-01/492/2017 dated 12.04.2017
	Approved Built-up Area: 710433.304
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	252289.0 m2
16.Deductions	49150.87 m2
17.Net Plot area	203138.13 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 406901.53 m2
	b) Non FSI area (sq. m.): 331897.19 m2
	c) Total BUA area (sq. m.): 738798.72 m2
19.Total ground coverage (m2)	100553.37
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.5 % of net plot area
21.Estimated cost of the project	19000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Total 52 Nos. of Buildings including Shops	Ground/stilt + 18 Floors	54 Mtrs
2	1 School Building	Not applicable	Not applicable

23.Number of tenants and shops	Total Tenants: 7132 Nos. & Shops: 40 nos.
24.Number of expected residents / users	38474 Users

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25.Tenant density per hectare	1750-1900/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)	30 Mtrs
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 mtrs to 9.0 mtrs
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**	STEM Water Distribution & Infrastructure Co. Pvt. Ltd./Recycled
	Fresh water (CMD):	3286.0
	Recycled water - Flushing (CMD):	1711.0
	Recycled water - Gardening (CMD):	480.0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5778.0
	Fire fighting - Underground water tank(CMD):	100 Cum for each wing/building
	Fire fighting - Overhead water tank(CMD):	25 Cum for each wing/building
	Excess treated water	1761.0

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Wet season:	**Source of water**	STEM Water Distribution & Infrastructure Co. Pvt. Ltd./Recycled
	Fresh water (CMD):	3286.0
	Recycled water - Flushing (CMD):	1711.0
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5298.0
	Fire fighting - Underground water tank(CMD):	100 Cum for each wing/building
	Fire fighting - Overhead water tank(CMD):	25 Cum for each wing/building
	Excess treated water	2241.0
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.50 m to 6.00 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	208 Nos.
	Size of recharge pits :	2.5 Mtrs of Diameter with Area of 4.906 m2
	Budgetary allocation (Capital cost) :	14.5 Lakhs
	Budgetary allocation (O & M cost) :	1.5 Lakhs / Annum
	Details of UGT tanks if any :	Common UG tank for Phase 1: i. Domestic Water tank Capacity: 810 m3 ii. Flushing Water tank Capacity: 409 m3 iii. Fire Fighting tank Capacity: 100 m3 for each bldg. Common UG tank for Phase 2: i. Domestic Water tank Capacity: 1918 m3 ii. Flushing Water tank Capacity: 978 m3 iii. Fire Fighting tank Capacity: 100 m3 for each bldg. Common UG tank for Phase 3: i. Domestic Water tank Capacity: 558 m3 ii. Recycled Water tank Capacity: 324 m3 iii. Fire Fighting tank Capacity: 100 m3 for each bldg.
35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	3324 mm
	Size of SWD:	1000 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	4295.0 KLD
	STP technology:	Moving Bed Biofilm Reactor (MBBR)
	Capacity of STP (CMD):	7 STP's of 4725 KLD Capacity
	Location & area of the STP:	Above Ground
	Budgetary allocation (Capital cost):	1248 lakhs
	Budgetary allocation (O & M cost):	125 lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	13000 cum
	Disposal of the construction waste debris:	Used for Leveling Purpose
Waste generation in the operation Phase:	**Dry waste:**	5041 Kg/day
	Wet waste:	11620 kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	43 kg/day
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorize vendor for further handling and disposal.
	Wet waste:	Will be converted to compost using Organic Waste Convertor.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	285 m2
	Area for machinery:	3000 Sq. ft.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	146.25 lakhs
	O & M cost:	15 lakhs / 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

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43.Green Belt Development	**Total RG area :**	49167.85 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	2945 Nos.
	List of proposed native trees :	Delonix regia, Bahinia blackiana, Casurina, Cassia fistula, Melia azedarach, Pritchardia passifica, Saraca indica, Tabebuia rosea, Plumeria alba, Albizia saman, Neolamarckia cadamba, Barringtonia asiatica , Pongamia pinnata
	Timeline for completion of plantation :	With compleation 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	Delonix regia	Gulmohar	314	Evergreen tropical, Drought tolerant
2	Bahinia blackiana	Hong Kong Orchid Tree	242	Evergreen flowering medicinal tree, Bark used in dye
3	Casurina	Whistling Pine	134	Evergreen tropical, Drought tolerant
4	Cassia fistula	Amaltas/ Bahava	253	Semi-deciduous tropical tree, Flowering, Drought tolerant, Flowers are attractive to bees and butterflies ,
5	Melia azedarach	Indian Lilac	191	Deciduous tree, Evergreen flowering, Drought tolerant
6	Pritchardia passifica	Fiji Fan Palm	189	Evergreen Palnt
7	Saraca indica	Sita Ashok	171	Evergreen tropical, flowering medicinal tree
8	Tabebuia rosea	Pink Trumpet Tree	256	Evergreen deciduous Flowering, Drought tolerant
9	Plumeria alba	Champa	883	Evergreen flowering
10	Albizia saman	Rain Tree	45	Evergreen deciduous Flowering, Drought tolerant
11	Neolamarckia cadamba	Kadamba	123	Evergreen flowering medicinal tree, Drought tolerant
12	Barringtonia asiatica	Samudraphool	64	Evergreen flowering
13	Pongamia pinnata	Karanj	95	Evergreen flowering
45.Total quantity of plants on ground				

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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 :**	Torrent Power Company Ltd.
	During Construction Phase: (Demand Load)	18960 KW
	DG set as Power back-up during construction phase	82.5 kVA x 5 Nos.
	During Operation phase (Connected load):	41277 KW
	During Operation phase (Demand load):	18960 KW
	Transformer:	1. Residential = 1000 kVA x 5 Nos. School Building = 630 x 1 Nos., 2. Residential = 990 kVA x 11 Nos. Commercial Building = 1000 x 1 Nos., 3. 1000 kVA x 3 Nos.
	DG set as Power back-up during operation phase:	82.5 kVA x 13 Nos. + 1 for school, 82.5 kVA x 23 Nos. & 83.5 kVA x 7 Nos.
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Percentage of Saving : Phase I: 12. % , Phase II: 11.4 % Phase III: 13.0 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Considered Energy efficient T5 lights and CFLs inside the flat, LED lights for all common areas, Use of VFD and APFC panels with lifts, Use of Water pumps with 90% efficiency and with VFD and APFC panel, Use of MBBR type STP with VFD panel, Use of LED with solar panels for Street lighting & Use of Solar water heaters for one bathroom per flat	Phase I: 12. % , Phase II: 11.4 % Phase III: 13.0 %

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:**	160 Lakhs
	O & M cost:	30 Lakhs/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	Water for Dust Suppression	Dust control	4.0
2	Site Sanitation, Safety & Disinfection	Workers Health	4.0

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3	Environmental Monitoring	Air, Water, Noise, Soil sampling & testing	5.0
4	Health Check up	Routine Health checkup for workers	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Waste water treatment	1248	125.0
2	Solid Waste Management	Disposal of Soild waste	146.25	15.0
3	Rain Water Harvesting	RWH infrastructure	14.5	15.0
4	Landscaping	Green belt deveopment	811.0	125.0
5	Irrigation	Landscape irrigation	124.87	8.0
6	Energy saving features	Installation Energy saving featurs	160	30.0
7	Environmental Monitoring	Air, Water, Noise, Soil sampling & testing	Not applicable	06.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	No. of Junctions to the main road: 1

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Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Total Car Parking Area : 180000 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	1710 Nos.
	Number of 4-Wheelers as approved by competent authority:	6015 Nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	12 Mtrs
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 Km area around the project site
	Category as per schedule of EIA Notification sheet	8 a (B1)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-02-2016

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Brief information of the project by SEAC

Minutes of 50th SEAC-1 meeting :

PP submitted CFO NOC dated 20/09/2016. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 45th meeting of SEAC II in which ToR was issued. PP submitted EIA report. 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 2,52,289 m2 & total construction area proposed in this meeting of the project is 7,38,798.72 m2. PP agreed to submit socio-economic studies for the project. PP also agreed to submit revised solid waste management plan including collection, disposal, treatment etc. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. It is observed that there are no sewer lines & no storm water drainage lines constructed up to the project site. Therefore, PP to ensure that no possession shall be given before completion of the sewer lines & storm water drainage line and permission for the connection to the same by the competent authority. Local body to ensure the same. PP to ensure that no possession shall be given before completion & connection to sewer lines, storm water drainage lines & water supply.

2. PP stated that excess treated water will be given to Bhiwandi Municipal Corporation for road washing. PP to submit agreement/back to back commitment for the same from the Bhiwandi Municipal Corporation.

3. PP to submit letter of commitment for drinking water to the project from Municipal Corporation.

4. Further, PP informed that entire treated water should be reused / recycled to ensure the zero discharge. PP to submit details accordingly. PP to submit detailed water budget indicating fool proof mechanism achieving zero discharge including treatment mechanism. PP to ensure that no treated or untreated sewage water should be released in storm water drainage lines or in nearby water bodies.

5. PP to ensure that BOD of the treated water should be 5 mg/lit.

6. Proper design of storm water drainage considering entire project area should be done to ensure that it should not overload outside storm water drain & submit along with storm water drainage calculations. Storm water drainage should be designed as per guidelines given in SP:IRC-50.

7. PP to submit contour map with all services and building plans to evaluate contour cutting and environmental issues. PP to submit contour plan by superimposing layout plan & storm water drainage lines.

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

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000000000

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for New Construction project

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Majestique Manhatten by Majestique Housing LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit A. Lalwani
4.Name of Consultant	Ultra-Tech (Environmental Consultancy and Laboratory)
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	Gat No. 569 B
9.Taluka	Haveli
10.Village	Wagholi
11.Area of the project	Pune Metropolitan Regional Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Sanction received from PMRDA
	IOD/IOA/Concession/Plan Approval Number: BHA/CR No. 1399 dated 17.01.2017
	Approved Built-up Area: 22785.87
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	9,650 m2
16.Deductions	2,644.31 m2
17.Net Plot area	6,985.85 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12,573.72 m2
	b) Non FSI area (sq. m.): 10,212.15 m2
	c) Total BUA area (sq. m.): 22,785.87 m2
19.Total ground coverage (m2)	2,432.50 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.2%
21.Estimated cost of the project	320000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Building ,1 Number	LP+UP+11	36.23 m
2	B Building ,1 Number	LP+UP+11	36.23 m
3	C Building ,1 Number	LP+UP+11	36.23 m
4	Club House, 1 Number	G+1	7.92 m

23.Number of tenants and shops	283 tenants
24.Number of expected residents / users	1415

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25.Tenant density per hectare	405
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Yerwada Fire Station, 6 Km away from proposed site. Width of the road from the nearest fire station to the proposed building 15 mt
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 9.00 m
29.Existing structure (s) if any	Not Any
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**	Wagholi Grampanchayat
	Fresh water (CMD):	127
	Recycled water - Flushing (CMD):	64
	Recycled water - Gardening (CMD):	11
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	202
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	80 m3

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Wet season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	127
	Recycled water - Flushing (CMD):	64
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	191
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	91 m3
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	127	127	0	13	13	0	114	114
Domestic	0	64	64	0	6	6	0	58	58
Gardening	0	11	11	0	11	11	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon 8-12 m & Post- monsoon:6-10 m
	Size and no of RWH tank(s) and Quantity:	Not Any
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	03
	Size of recharge pits :	2m X 2m X2.5m
	Budgetary allocation (Capital cost) :	2.5 Lakh
	Budgetary allocation (O & M cost) :	0.36 Lakh/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 192m3 Flushing UG tank Capacity: 96 m3 Fire UG tank Capacity: 200 m3

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35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	159.23 m3/hr
	Size of SWD:	Internal 300 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	172
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 180 m3 capacity
	Location & area of the STP:	South West corner
	Budgetary allocation (Capital cost):	45 Lakh
	Budgetary allocation (O & M cost):	5.50 lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	27 kg/day MSW
	Disposal of the construction waste debris:	Used for land filling
Waste generation in the operation Phase:	**Dry waste:**	284 kg/day
	Wet waste:	425 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	26 kg/day
	Others if any:	Not Any
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in composting machine
	Hazardous waste:	Will be handed over to authorised vendour as and when required
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure in garden
	Others if any:	Not any
Area requirement:	**Location(s):**	Eowards East side
	Area for the storage of waste & other material:	75 m2
	Area for machinery:	15 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13.50 lakh
	O & M cost:	3.52 lakh/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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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	DG sets	HSD	1	3.5 m	0.1	64 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	00	36.28 lit/hr	36.28 lit/hr

41.Source of Fuel	Near Authorised dealer
42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development	**Total RG area :**	965.03 m2
	No of trees to be cut :	00
	Number of trees to be planted :	146
	List of proposed native trees :	All are native trees
	Timeline for completion of plantation :	1.5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Manilkara zapota	Chiku	8	Fruit Bearing tree
2	Michelia champaca	Son chafa	6	Evergreen & bird attracting tree.
3	Mimusopes elengi	Bakul	17	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	11	Evergreen & bird attracting tree

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5	Cassia fistula	Golden Shower	06	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame Tree	16	Used in pesticide & dye preparation
7	Cassia grandis	Pink Shower	19	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita Ashok	09	Evergreen medicinal plant
9	Roystonea regia	Royal palm	17	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jamun	19	Fruit tree & bird attracting tree
11	Neolamarkia cadamba	Kadamba	12	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango	06	Evergreen & bird attracting 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)	50kVA
	DG set as Power back-up during construction phase	82.5 kVA
	During Operation phase (Connected load):	1083.48 kW
	During Operation phase (Demand load):	586 kW
	Transformer:	2 number of 315 kVA
	DG set as Power back-up during operation phase:	160 kVA
	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 T5-28W, LED lamps shall be used for Common area lighting
• Use of non conventional energy i.e. Solar water heating system
• Transformers are located close to load center to minimize transmission losses
• The elevators shall have group control and VFD, thereby saving energy
• Energy meters with Timer Circuits shall be installed to monitor the energy consumption for External lighting, treated water pumping, municipal water pumping, common area internal lighting etc

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	Solar water heating	82%
2	Energy efficient lihtening	38%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	--	MBBR STP, 1 number
OWC	--	SMART OWC, 1 number
DG Set	--	160 kVA ,1 number

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55 lakh
	O & M cost:	3 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	Water	Tanker water for construction	0.84
2	Water	Water monitoring	0.60
3	Air	Water for dust suppression	0.84
4	Air	Air & Noise monitoring	0.48
5	Land	Mobil toilet	1.20
6	Biological	Gardening Set-up	1.71
7	Socio-economic	Disinfection - pest control	0.18
8	Socio-economic	safety, first air, health hyegine facilities	0.18
9	Socio-economic	Health check-up	0.2
10	Socio-economic	Creches for children	2.4
11	Socio-economic	Personal protectove equipments	1.2
12	Energy Conservation	CFL lamps for labor hutments	0.04

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	1 STP with MBBR	45	5.5
2	Rain water Harvesting	RWH Pits	2.5	0.36
3	Environmental Monitoring	From MoEF&CC approved laboratory	--	8.58
4	Solar System	energy consservation	55	3.0
5	Gardening	gardening & Plantation	15.02	0.90
6	Solid waste	OWC	13.50	3.52
7	Laying Storm water line	Storm water	3.75	0.60
8	Laying of sewer line	Drainage	3.75	0.60

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9	Sprinkler system	Fire fighting	2.40	0.24

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 junction to main road
Parking details:	**Number and area of basement:**	Not any
	Number and area of podia:	Not any
	Total Parking area:	2610
	Area per car:	32.63 m
	Area per car:	32.63 m
	Number of 2-Wheelers as approved by competent authority:	327
	Number of 4-Wheelers as approved by competent authority:	80
	Public Transport:	Wagholi bus stand 1.5 km away
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km radius
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not any

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	Other Relevant Informations	The project was recommended by 55th SEAC meeting having proposal no. SIA/MH/NCP/31218/2015 . We are re-submitting the application as previous application with Statement Unique number as SEIAA-STATEMENT-0000000020 is not considered for SEIAA.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-09-2015

Brief information of the project by SEAC

55th SEAC-3 & 104th SEIAA :

The case was earlier considered and recommended by SEAC-III in its 48th meeting for total plot area of 9,650.00 Sq. Mtrs, BUA of 22,785.75 Sq. Mtrs and FSI area of 12,573.00 Sq. Mtrs. PP proposes to construct 3 nos. of residential buildings (2P+11) having maximum height of 36.23 Mtrs, and a club house.

The case was considered in 104th meeting of the SEIAA held from 21st, 26th, 27th, July, 2016 where, it was observed that PMRDA approved plan shows building configuration as **Basement + Stilt** whereas the documents forwarded by SEAC – III shows **2P+11 floors** for three buildings. Hence SEIAA decided to refer back the proposal to the SEAC – III for reconsideration. During deliberation PP and his consultants informed that IOD was obtained in between 48th meeting of SEAC-III and 104th meeting of SEIAA. Committee noticed that when proposal came for approval before committee, PMRDA had plans before it showing basement. Committee also observed that the conceptual plan submitted by PP before SEAC-III has also shown basement+ stilt.

During the course of meeting committee advised PP to modify the plan by revising basement level for natural ventilation and make lower parking instead of basement. Accordingly PP agreed to modify the plans. Hence the document forwarded by SEAC to SEIAA includes building configuration 2P+11 which are as per revised conceptual plans submitted by PP during the meeting. No basement approval is granted by committee. The apparent discrepancy created by original plan of PP presented to PMRDA, got approval showing basement.

DECISION OF SEAC

Committee is of opinion that PP has to submit appraised conceptual plans by committee for approval of local planning authority and after approval of local planning authority same should be submitted to SEIAA. But in this case it is observed that PP has not submitted appraised conceptual plans of committee for approval before PMRDA instead of that PP submitted earlier approved plan from PMRDA which includes basement to SEIAA for grant of EC.

After deliberation in view of above findings of committee decided to refer the case to SEIAA for further decision.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Composite H.S.G. Scheme On Land Bearing S.No.58/1 (P), 58/2 (P), 58/3 (P), Sr. No 59/A3 (P), 60/3 (P), 63/1 (P), Sr. No 63/2 & Sr. No 63/3 At Shrirampur, District-Ahmednagar, Maharashtra

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed Composite H.S.G. Scheme On Land Bearing S.No.58/1 (P), 58/2 (P), 58/3 (P), Sr. No 59/A3 (P), 60/3 (P), 63/1 (P), Sr. No 63/2 & Sr. No 63/3 At Shrirampur, District-Ahmednagar, Maharashtra
2.Type of institution	Government
3.Name of Project Proponent	Nashik Housing & Area Development Board
4.Name of Consultant	M/s. Fine Envirotech Engineers
5.Type of project	MHADA
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	Land Bearing S.No.58/1 (P), 58/2 (P), 58/3 (P), Sr. No 59/A3 (P), 60/3 (P), 63/1 (P), Sr. No 63/2 & Sr. No 63/3 At Shrirampur, District-Ahmednagar, Maharashtra
9.Taluka	Shrirampur
10.Village	Shrirampur
11.Area of the project	Shrirampur Municipal Council, Shrirampur
12.IOD/IOA/Concession/Plan Approval Number	Proposed MHADAs Composite Housing Scheme is approved by Shrirampur Municipal Council, Shrirampur vide letter dated 15/07/2014
	IOD/IOA/Concession/Plan Approval Number: Plan Approval Number - RBP/00013/2014-15 dated: 15/7/2014
	Approved Built-up Area: 45263.60
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	51400 sq.mt.
16.Deductions	8354.44 sq.mt.
17.Net Plot area	43045.56 sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 45263.60 sq.mt.
	b) Non FSI area (sq. m.): 2309.58 sq.mt
	c) Total BUA area (sq. m.): 47573.18 sq.mt.
19.Total ground coverage (m2)	11800 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.07 %
21.Estimated cost of the project	777300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (MIG) with 3 Wings A, B, C	Ground +3	12.29
2	Building No.2 (MIG) with 3 Wings A, B,C	Ground +2	9.33
3	Building No.3 (LIG) with 4 Wings A, B,C,D	Ground +3	11.65

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4	Building No.4 (LIG) with 3 Wings A,B,C	Ground +3	11.65
5	Building No.5 (LIG) with 3 Wings A,B,C	Ground +3	11.65
6	Building No.6 (MIG) with1 Wing A	Ground +3	12.29
7	Building No.7 (MIG) with 1 Wing A	Ground +3	12.29
8	Building No.8 (EWS) with 7 Wings A,B,C,D,E,F,G	Ground +3	11.65
9	Building No.9 (EWS) with 2 Wings A,B	Ground +3	11.65
10	Building No.10 (MIG) with 5 Wings A,B,C,D,E	Ground +3	12.29
11	Building No.11 (EWS) with 3 Wings, A,B,C	Ground +3	11.65
12	Building No.12 (EWS) with 4 Wings A, B,C,D	Ground +3	11.65
13	Building No.13 (EWS) with 4 Wings A,B,C,D	Ground +3	11.65
14	Building No.14 (EWS) with 2 Wings A,B	Ground +2	8.85
15	Building No.15 (EWS) with 5 Wings A,B,C,D,E	Ground +3	11.65
16	Building No.16 (LIG) with 6 Wings A,B,C,D,E,F	Ground+3	11.65
17	Building No.17 (LIG) with 6 Wings A,B,C,D,E,F	Ground +3	11.65
18	Shopping Complex (1 no.)	Ground	4.50

23.Number of tenants and shops	Total Residential Tenements - 908 nos Total Shops - 87 nos Shopping Complex - 1 no. (402.45 sq.mt)
24.Number of expected residents / users	Residential users - 4540 nos. and Commercial Users - 254 nos.
25.Tenant density per hectare	215 tenements /hectares
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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable (Buildings are G+3 structure. Height of Building 12.29 m and accessible from 18 m wide road)
29.Existing structure (s) if any	Not applicable

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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**	Shrirampur Municipal Water supply
	Fresh water (CMD):	413
	Recycled water - Flushing (CMD):	211
	Recycled water - Gardening (CMD):	24
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	648
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	268
Wet season:	**Source of water**	Shrirampur Municipal Water supply
	Fresh water (CMD):	413
	Recycled water - Flushing (CMD):	211
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	624
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	295
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

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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:**	5 m
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	Nil
	Quantity of recharge pits:	10 nos.
	Size of recharge pits :	1.5 M x 1.5 M x 1.5M
	Budgetary allocation (Capital cost) :	25 Lakhs
	Budgetary allocation (O & M cost) :	9 Lakhs
	Details of UGT tanks if any :	Domestic UG tank Capacity - 206840 Liters Flushing UG tank Capacity - 105350 Liters
35.Storm water drainage	**Natural water drainage pattern:**	Storm water collection is proposed separately in project premises
	Quantity of storm water:	0.59 cum/sec
	Size of SWD:	300 mm, 450 mm and 600 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	561 KLD
	STP technology:	Shall be connected to Municipal STP
	Capacity of STP (CMD):	Shall be connected to Municipal STP
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste
	Disposal of the construction waste debris:	To be disposed by handing over to authorized contractor
Waste generation in the operation Phase:	**Dry waste:**	959 Kg/day
	Wet waste:	1387 Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	28 Kg/day
	Others if any:	Not applicable

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Mode of Disposal of waste:	**Dry waste:**	Disposed by handing over to authorized contractor
	Wet waste:	Will be composted
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Open space
	Area for the storage of waste & other material:	216 sq.mt
	Area for machinery:	7.5 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35 Lakhs
	O & M cost:	15 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

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43.Green Belt Development	**Total RG area :**	4848.55 sq.mt
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	300 nos.
	List of proposed native trees :	Neem, Chikoo, Sitaphal, Apta, Kateshwar, Bahava, Peru, Mango, Sita Ashoka, Tamhan, Son Chafa, Kadam, Kunti
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardicata indica	Neem	20	Medicinal, Soil erosion control bird Squirrel monkey attracting fruit
2	Acrus sapota	Chikoo	15	Fruit bearing tree, Bird attracting
3	Annona squamosa	Sitaphal	15	Fruit bearing tree, Bird attracting
4	Bauhinea racemosa	Apta	30	Drought tolerant, Medicine
5	Bombax ceiba	Katesavar	25	Drought tolerant, Medicinal
6	Cassia fistula	Bahava	20	Medicinal, Bird attracting, Soil erosion control
7	Psidium guava	Peru	10	Fruit bearing tree, Bird attracting
8	Magnifera indica	Mango	20	Fruit bearing tree, Bird attracting
9	Saraca ashoka	Sita Ashoka	30	Medicinal, , Bee & Squirrel attracting flowers, Anti poison capacity, Fragrant flowers
10	Lagerstromia speciosa	Tamhan	40	Medicinal, control soil erosion
11	Michelia champaca	Son Chafa	30	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
12	Anthocephallus cadamba	Kadam	25	Shady, large tree, ball shaped flowers
13	Murraya paniculata	Kunti	20	Good for ornamental purpose
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	150 KVA
	During Operation phase (Connected load):	2934.50 KW
	During Operation phase (Demand load):	3260.56 KVA
	Transformer:	8 nos. of 315 KVA
	DG set as Power back-up during operation phase:	1 DG set of 82.5 KVA capacity for STP
	Fuel used:	Deisel
	Details of high tension line passing through the plot if any:	Over head HT line removal in progress and underground cable lying in progress

48.Energy saving by non-conventional method:

T-5 Tube Lights of 28 W

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	T-5 Tube Lights of 28 W (Annual Energy Saving)	29871.60 kwh

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakhs
	O & M cost:	2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading and dust suppression	12
2	Environmental Monitoring	Air, Noise, Water, Biological	6
3	Sanitary facility and waste water management	Mobile toilets	4
4	Solid waste management	Solid waste	3

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5	Occupational Health & Safety	Medical Checkup, PPE and First Aid Kit	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	Rain Water Harvesting System	Recharge pits	25	9
2	Environmental Monitoring	Air, Noise, Water, Biological	...	12
3	Solid Waste Management	OWC, Colored Dustbins	35	15
4	Energy Saving Measures	T5 Tube Lights of 28 W	10	2
5	Green Belt Development	RG area - 4848.55 sq.mt , Tree plantation	40	10

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:	Separate exit and entry point

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Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	7654.2 sq.mt
	Area per car:	25 sq.mt
	Area per car:	25 sq.mt
	Number of 2-Wheelers as approved by competent authority:	1098 nos.
	Number of 4-Wheelers as approved by competent authority:	69 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m, 9 m, and 12 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) - B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	.....
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

SEIAA AGENDA-0000000008

Minutes of 55th SEAC-3 meeting:

PP submitted their application for prior Environment Clearance for total plot area of 51400.00 m2 BUA of 47573.18 sq.m and FSI area of 45263.60 sq.m. PP proposes to construct 17 nos. of residential buildings having 62 wings and 1 commercial building having maximum height of 12.29 Mtrs. The case was earlier considered in the 28th meeting of the SEAC - III held on 7th to 10th April 2015 when case was deferred. The case was again considered in 30th meeting of the SEAC - III held from 21st to 24th July 2015 and 44thmeeting of the SEAC - III held from 28th to 31st March 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP informed that they have obtained full potential sanction.

2. PP to obtain NOC for training of Nallah from competent authority.

3. PP has received letter dated 9.04.2015 from CO, Shrirampur ,Municipal Council mentioning no objection to connect sewage line of project to their STP;PP to obtain specific NOC from Municipal council, Shrirampur that 561 CMD generated sewage from project will be accepted to connect it to municipal council STP.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for "Marathon ICON" at Lower Parel, Mumbai

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	"Marathon ICON" at Lower Parel, Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Marathon IT Infrastructure Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
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 as the completed construction not under purview of EIA Notification
8.Location of the project	C.S. No. 2/142 of Lower Parel Division, Mumbai, District – Mumbai, Maharashtra.
9.Taluka	Mumbai
10.Village	Lower Parel Division
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Received IOD dt. 05.03.2009
	IOD/IOA/Concession/Plan Approval Number: IOD No. - EB/4143/GS/A
	Approved Built-up Area: 72119.07
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 19458.92 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received IOD dt. 05.03.2009 and CC dt. 06.11.2009 for Building No. 2 from M.C.G.M.
15.Total Plot Area (sq. m.)	34,749.78 Sq.mt.
16.Deductions	1424.54 Sq. mt.
17.Net Plot area	33,325.24 Sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20483.50 Sq. mt.(Including Fungible Area)
	b) Non FSI area (sq. m.): 21275.26 Sq. mt.
	c) Total BUA area (sq. m.): 41758.76 Sq. mt.
19.Total ground coverage (m2)	14642.63 Sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42 %
21.Estimated cost of the project	1381500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	IT/ITES Building No. 2 (ICON)	2 Basements + Ground + 1st floor (Double height) + 2nd parking floor + 3rd to 29th floor	124.50 mt. (Up to terrace level)
2	Parking Building	2 Basements + Ground + 1st to 5th Parking Floor	21.00 mt. (Up to terrace level)

23.Number of tenants and shops	Offices
24.Number of expected residents / users	2253 Nos.

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25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.0 mt. wide Veer Santaji Marg (Planet Mill Street)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 7.5 mt
29.Existing structure (s) if any	There are total 3 nos. of existing buildings 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**	MCGM
	Fresh water (CMD):	42
	Recycled water - Flushing (CMD):	53
	Recycled water - Gardening (CMD):	25
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	120
	Fire fighting - Underground water tank(CMD):	562
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	Nil

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Wet season:	**Source of water**	MCGM/RWH
	Fresh water (CMD):	42
	Recycled water - Flushing (CMD):	53
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	95
	Fire fighting - Underground water tank(CMD):	562
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	25
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:**	1.7 m to 2.0 m below ground level
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of total capacity 100 KL
	Location of the RWH tank(s):	Basement level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 10.20 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lacs/annum
	Details of UGT tanks if any :	Location of UGT tanks - Basement level

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external drain.
	Quantity of storm water:	0.74 m3/sec
	Size of SWD:	600 mm dia

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Sewage and Waste water	**Sewage generation in KLD:**	87 KLD
	STP technology:	FMBR (FLUODIZED MOVING BED BIO REACTOR)
	Capacity of STP (CMD):	1 STP of 300 KL capacity
	Location & area of the STP:	Basement level
	Budgetary allocation (Capital cost):	Rs. 80.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 11.53 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The excavation material shall be partly reused on site and partly shall be disposed to authorized site through authorized contractors with permission from M.C.G.M.
	Disposal of the construction waste debris:	Construction waste shall be partly reused on site and partly will be disposed to the authorized landfill site
Waste generation in the operation Phase:	**Dry waste:**	180 Kg/day
	Wet waste:	45 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13 Kg/day
	Others if any:	E-waste - 184 Kg/month
Mode of Disposal of waste:	**Dry waste:**	Non-recyclable: To M.C.G.M. Recyclable: To recyclers
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	E - waste: To authorized recyclers
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	48
	Area for machinery:	12
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 1.18 Lacs/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			

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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 :**	RG area on the ground - 7831.81 Sq.mt. , RG area on the podium - 5846.99 Sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	621 Nos. of trees are already planted on site
	List of proposed native trees :	List of already planted trees are given in List of proposed plantation on ground
	Timeline for completion of plantation :	Plantation completed

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	Spathodea campanulata	African tulip tree	45	This tree is planted extensively as an ornamental tree throughout the tropics and is much appreciated for its very showy reddish-orange or crimson. The wood of the tree is soft and is used for nesting by many hole-building birds such as barbets. Its flower nectar is very popular for Humming birds
2	Thevetia neriifolia	Cook tree	57	Medicinal tree

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3	Michelia alba	White champaca	25	It is a large evergreen tree. It is best known for its strongly fragrant yellow or white flowers.
4	Tabebuia rosea	Pink Trumpet Tree	44	It is often planted in parks and gardens A decoction of the flowers, leaves and roots has been used to reduce fevers and pain, cause sweating, to treat tonsil inflammation and various other disorders.
5	Swietenia mahagoni	Mahogany	77	Mahogany is a medium-sized tree. The white flowers are sweet-scented; the fruit changes from grey to black when ripening. Wood is often used conventionally for carpentry, interior trim, and construction. The bitter tasting bark is used for a variety of medical purposes.
6	Phoenix Sylvestris	Silver Date Palm	34	Commonly known as Date palm. The inflorescence grows to 1 metre with white, unisexual flowers forming to a large, pendent infructescence. The single-seeded fruit ripens to a purple-red colour, and is eaten in India
7	Alstonia scholaris	Devil tree	63	Evergreen Shady Tree with fragrant flowers, Medicinal properties, white fragrant flowers
8	Tecoma gaudichaudi	Gaudichavdi	27	Good for screening Good for Hedges and Borders Attracts bees Recommended for creating shade Evergreen trees Suitable for avenue planting Good on seaside
9	Areca cathau	Betel palm	39	Ornamental tree
10	Lagerstroemia speciosa	Jarul	5	It is a small to medium-sized tree growing to 20 metres (66 ft) tall, with smooth, flaky bark. It is also widely cultivated as an ornamental plant in tropical and subtropical areas. It has medicinal applications.
11	Roystonea regia	Royal palm	20	Ornamental tree, timber is used for construction, It has medicinal properties, Fruits are eaten by birds and bats, The presence of rhizobia-containing root nodules is usually associated with nitrogen fixation in legumes.
12	Plumeria rubra	Frangipani	29	Shrub or small tree Flower colours range from the common pink to white with shades of yellow in the centre of the flower. They tolerate a wide variety of soils, from acid to alkaline and sandy to clay.
13	Caryotaurens	Fish tail palm	6	Solitary-trunked tall evergreen tree. Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. Ornamental plant.

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14	Ficus carica	Common fig	7	Ornamental or fruit tree. In Missouri, plants may be grown in sheltered locations outdoors with root mulch or in containers that are overwintered indoors.
15	Roystonea oleracea	Caribbean royal palm	21	It is highly valued as an ornamental and has also been valued as a multipurpose tree in its native range
16	Cassia Nodosa	Pink shower	3	Grows up to 30 m (98 ft). Planted as an ornamental
17	Psidium guajava	Guava	1	It is an evergreen shrub or small tree. The plant is used in many different shampoo products for its scent. Its fruit is edible. Its fruit attracts Parakeets for feeding.
18	Mangifera indica	Mango	2	It is large evergreen and shady tree. Its uses are clearing digestion and acidity due to pitta (heat). Medicinal properties are attributed to different parts of mango tree.
19	Cucas reveloto	Sago palm	9	It grows best in sandy, well-drained soil, preferably with some organic matter. It is planted as an ornamental plant. The pith contains edible starch, and is used for making sago.
20	Mussaenda erthrophylla	Red Flag Bush	5	Ashanti Blood may be a rather small to medium shrub, or large to 20 feet or so. It has silky, hairy, soft medium-green leaves. The actual flowers of the plant are very small and inconspicuous
21	Bambusoideae	Bamboo	1	It grows upto 30 feet. They can tolerate relatively low light conditions.
22	Ravenala madagascariens	Traveller's Palm	10	It is planted as an ornamental plant.
23	Ficus benjamina	Weeping fig	25	It is a broadleaf evergreen tree that grows to 50’ tall. It is widely grown in the tropics as an ornamental tree or hedge
24	Cordia sebestena	Orange Geiger Tree	25	A small tree with a dense crown; usually growing up to 10 metres tall, though it can grow larger in cultivation
25	Casuarina equisetifolia	Whistling Pine, Suru	41	Is an evergreen tree. The wood of this tree is used for shingles, fencing, and is said to make excellent, hot burning firewood. Casuarina is widely used as a bonsai.
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

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47.Energy

Power requirement:	**Source of power supply :**	Brihanmumbai Electric Supply and Transport (BEST)
	During Construction Phase: (Demand Load)	100KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	3729 KW
	During Operation phase (Demand load):	1946 KW
	Transformer:	4 nos. of 1600 kVA each, Dry type transformers
	DG set as Power back-up during operation phase:	2 DG sets of 180 kVA and 600 kVA capacity
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

100% external lighting on solar
Lift load considered on VFD drives which will result in overall 20% lift load saving consumption.
All water pump motors are BEE 5 star rated with soft starter and high/low level sensors.
Provision of LED lights with Timer for common lighting
Use of LED for residential lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	100% external lighting on solar Lift load considered on VFD drives which will result in overall 20% lift load saving consumption. All water pump motors are BEE 5 star rated with soft starter and high/low level sensors. Provision of LED lights with Timer for common lighting Use of LED for residential lighting	30%

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. 19.40 Lacs
	O & M cost:	Rs. 0.90 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust Suppression	5.4

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2	Air Environment	Air & Noise monitoring - Sensors for Air and Noise quality monitoring	10.00
3	Air Environment	Air & Noise monitoring - By outside MOEF Approved Laboratory	0.66
4	Water Environment	Drinking water analysis	0.54
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection at site-Pest Control	3.60
7	Health & Hygiene	Health Check Up of workers	13.50
8	Cost towards Disaster management	--	28.36

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 Environment & Biological Environment	Cost for Gardening	69.25	1.20
2	Air Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air Environment & Biological Environment	DG Stack Exhaust Monitoring	No set up cost is involved	0.10
4	Air Environment & Biological Environment	Cost for Air Cleaning system	36.80	1.80
5	Water Environment - Waste water treatment	Cost for sewage treatment plant	62.00	10.50
6	Water Environment - Waste water treatment	Cost for Waste water Monitoring - On site sensors	18.00	1.00
7	Water Environment - Waste water treatment	Cost for Waste water Monitoring - By outside MOEF Approved Laboratory	No set up cost is involved	0.027
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	10.20	0.50
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	3.00	0.01
10	Water Environment - Water Conservation (Rain Water Harvesting System)	Rain Water Quality Monitoring	No set up cost is involved	0.05

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11	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	1.18
12	Land Environment (Solid Waste Management)	Cost for monitoring of OWC manure	No set up cost is involved	0.08
13	Energy Conservation	Solar system for water heating	19.40	0.90
14	Cost towards Disaster management	--	453.59	13.61

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:	One Entry & Exit
Parking details:	**Number and area of basement:**	2 Basements
	Number and area of podia:	NA
	Total Parking area:	10817.02 Sq.mt.
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	Required - Nil, Proposed - 100 nos.
	Number of 4-Wheelers as approved by competent authority:	Required - 380 nos. , Proposed - 380 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 mt.
	CRZ/ RRZ clearance obtain, if any:	NA

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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category 8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-08-2016

Brief information of the project by SEAC

Minutes of 51st SEAC-2 meeting:

Representative of PP, Mayur Shah & Architect Santosh Dube were present during the meeting along with environmental consultant M/s Ultratech . PP informed that there are 3 nos. of existing buildings on site which are not in purview of EIA Notification, 2006.

All the buildings are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from MCGM Chronology was noted.

Further, PP also stated that the Plinth Commencement Certificates for these existing Buildings were before 7thJuly 2004 hence was not under purview of EIA Notification 2004. PP informed that IT/ITES Building No. 2 (ICON) is partly constructed and occupied as per the permissible FSI of IT/ITES policy dated 30.08.2008. [Constructed area: 19,458.92 Sq.mt. (FSI + NON FSI)] and they are now consuming the balance FSI & Fungible area in Building no. 2 (IT/ITES ICON) and non FSI area in proposed parking building hence applied for Environmental Clearance.

PP informed that they have completed construction admeasuring 19,458.92 m2 prior to EC. Further, PP requested to reappraise the project as per circular of Environment Dept. dated 21/04/2015 issued on the basis of High Court orders. Committee observed that construction admeasuring 19,458.92 m2 prior to EC is violation of the provisions of EIA Notification. However, considering High Court orders and subsequent circular of Environment Department dated 21/04/2015, Committee appraised the matter.

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 34,749.78 m2& total construction area proposed in this meeting of the project is 41,758.76 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.

DECISION OF SEAC

SEIAA-AGENDA-0000000008

During discussion following points emerged:

1. PP & Architect to submit undertaking on legal paper regarding construction undertaken by them is less than 20,000 m2 & if it is false, PP is liable for further legal action as per the law. PP to submit detailed statement for the construction completed tilldate.

2. PP submitted light and ventilation analysis. PP to submit HRC permission.

3. PP to submit copy of CFO NOC received for the project.

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

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

Specific Conditions by SEAC:

SEIAA DECISION

PP to required documents showing floor-wise and building-wise construction. MPCB to visit the site and verify the status and area of construction. Deferred.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Residential Expansion Project

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Megacity Warai Proposed Residential Expansion Project
2.Type of institution	Private
3.Name of Project Proponent	Mr.Veer Bharti Koul-Xrbia Developers Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Private limited, Thane, Maharashtra
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance vide no. SEAC-2212/CR-353/TC-2 dated 30/09/2014
8.Location of the project	Plot bearing Sr. No. 6 (part), 9 (part), 10 (part), 12 (part) & 13 (part) at village Warai, Taluka Karjat, District Raigad
9.Taluka	Karjat
10.Village	Warai
11.Area of the project	Warai Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	IOD applicable
	IOD/IOA/Concession/Plan Approval Number: patra ja kra. sasannar ra a/bap/mauje warai tarfe waredi/ tal- karjat/ s.no.6/2 & eter/1067
	Approved Built-up Area: 100424
13.Note on the initiated work (If applicable)	We have initiated the construction as per previous received Environmental Clearance vide no.SEAC-2212/CR-353/TC-2 dated 30/09/2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	90,350 Sq.m
16.Deductions	4,518 Sq.m
17.Net Plot area	85,832 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 98,581 Sq.m
	b) Non FSI area (sq. m.): 38,441 Sq.m
	c) Total BUA area (sq. m.): 1,37,022 Sq.m
19.Total ground coverage (m2)	14,693 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16%
21.Estimated cost of the project	1600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial-1	G+2	11.25 m
2	Building (A1,A2,B1,B2,B3,B4,C4,C5,C6,C8,C9,D1,D2,D3,D4,D5,D6,D8,E1,E2,F1,K1,K2,K3,K4)	G+4	14.95 M
3	Building (C1,C2,C3,C10,K5)	G+6	20.40 M
4	Building [(A3,A4),(A5,A6),(A7,A8),(A9,A10),B5,K6,K7,K8,K9]	G+8	26.10 M

23.Number of tenants and shops	Tenements-2584 Nos. & shops-104 Nos
24.Number of expected residents / users	12,920 Residents + 416 Commercial users

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25.Tenant density per hectare	313 nos.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Neral-Kalamb State Highway road 15 m, Internal road 12m, 9m & 6m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m & 12 m
29.Existing structure (s) if any	We have started the construction as per the received EC on 2014
30.Details of the demolition with disposal (If applicable)	No

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, Karjat
	Fresh water (CMD):	1,181
	Recycled water - Flushing (CMD):	582
	Recycled water - Gardening (CMD):	72
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,763
	Fire fighting - Underground water tank(CMD):	890
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	682

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Wet season:	**Source of water**	Irrigation Department, Karjat
	Fresh water (CMD):	1,181
	Recycled water - Flushing (CMD):	582
	Recycled water - Gardening (CMD):	36
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,763
	Fire fighting - Underground water tank(CMD):	890
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	718
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	987	785	1763	800	281	1081	178	504	682

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m to 15 m
	Size and no of RWH tank(s) and Quantity:	1 no. of tank 30 cubic meter
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	23 nos.
	Size of recharge pits :	2m x 2m x 2m depth
	Budgetary allocation (Capital cost) :	Rs. 30 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.75 Lakh/year
	Details of UGT tanks if any :	Domestic UG tank capacity: 1,771 m3/day Flushing UG tank capacity: 872 m3/day Fire UG tank capacity: 890 m3/day

35.Storm water drainage	**Natural water drainage pattern:**	Along with road side nalla
	Quantity of storm water:	2.5 m3/sec
	Size of SWD:	1,200 mm x 800 mm

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Sewage and Waste water	**Sewage generation in KLD:**	1,410
	STP technology:	FAB
	Capacity of STP (CMD):	2 nos. having capacity 1,200 KLD & 250 KLD
	Location & area of the STP:	Near D8 & B1 building , Area for 1200 cubic meter/day -621 sq.m & Area for 250 cubic meter/day- 121 sq.m
	Budgetary allocation (Capital cost):	Rs. 140 lakhs
	Budgetary allocation (O & M cost):	Rs. 35 Lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	This material shall used for back filling and leveling of the plot and remaining will be disposed to authorized sites
Waste generation in the operation Phase:	**Dry waste:**	2,232 kg/day
	Wet waste:	3,600 kg/day
	Hazardous waste:	0.05 kg/day
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	60 kg/day
	Others if any:	Inert waste: 168 kg/day
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers.
	Wet waste:	Wet garbage will be treated by using organic waste converter machin
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purpopses inside the premises
	Others if any:	NA
Area requirement:	**Location(s):**	Besides building A10
	Area for the storage of waste & other material:	187.00 Sq.m
	Area for machinery:	84.00 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakhs
	O & M cost:	Rs. 2.5 Lakhs/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			

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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 :**	14,410 sq. mt.
	No of trees to be cut :	30 nos. of trees to be cut & 15 nos. of trees to be transplanted
	Number of trees to be planted :	755 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	June 2021

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	Albizza lebbek	Shirish	51	Shady tree, yellowish green fragrant flowers
2	Alstonia scholaris	Saptaparn	58	Evergreen tropical tree
3	Butea monosperma	Palas	58	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
4	Mimisops elengii	Bakul	60	Shady tree, small white fragrant flowers
5	Ailanthus excelsa	Mahrukh	48	Medicinal tree.
6	Gmelina arborea	Shivan	45	Fruit bearing tree

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7	Michelia champaca	Son chafa	56	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
8	Lagerstroemia flos reginea	Tamhan	54	Medium sized tree, beautiful purple flowers
9	Bahunia racemosa	Apta	58	Small tree with small white flowers, Butterfly host plant
10	Ficus retusa	Nandruk	55	Shady tree, good for roadside plantation
11	Anthocephalus cadamba	Kadamb	51	Medicinal tree.
12	Azadiracta indica	Neem	63	Large tree, good for roadside plantation
13	Erythrina indica	Pangara	50	Flowering plant
14	Cassia fistula	Golden Shower Tree	48	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 :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	116 kVA
	DG set as Power back-up during construction phase	125 KVA x 1No.
	During Operation phase (Connected load):	4,294 KW
	During Operation phase (Demand load):	3,006 KW
	Transformer:	630 Kva -9 Nos.
	DG set as Power back-up during operation phase:	2 nos. x 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV panel
1% of total demand

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	The following Energy Conservation Methods are proposed in the project: ? Use of energy efficient, BEE labelled electrical fixtures, solar powered lighting in external common area. Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically. ? Light Emitting Diode (LED) lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures. ? Solar Electrical Power + LED lighting	13%

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. 47 Lakh
	O & M cost:	Rs. 4 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 For Dust Suppression	pH, color, odour, tubidity, TDS, BOD, COD, O and G	1.8
2	Water For Dust Suppression	pH, color, odour, tubidity, TDS, BOD, COD, O and G	1.8
3	Water For Dust Suppression	pH, color, odour, tubidity, TDS, BOD, COD, O and G	1.8
4	Water For Dust Suppression	pH, color, odour, tubidity, TDS, BOD, COD, O and G	1.8
5	Site Sanitation toilets, safe drinking water	Disinfection	2.5
6	Site Sanitation toilets, safe drinking water	Disinfection	2.5
7	Disinfection-	Disinfection	1.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 nos. having capacity 1200 & 250 Cubic meter /day	140	35
2	Rain Water Harvesting	23 nos. of recharge pits & 1 RWH tank	30	0.75
3	Pond	5883 cubic meter capacity	20	3
4	Water Treatment Plant	1200 Cubic meter/day	15	5
5	Environmental Monitoring	MoEF approved laboratory	-	3
6	Gardening	755 no.of trees	15	3.5

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7	Solid waste	OWC -1 No.	20	2.5
8	Renewable Energy	Solar panels for street lights and LED	47	4
9	Fire fighting	Fire extinguisher	2.5	0.2
10	Facility Management Service	-	-	5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Shelu Railway Station 8 Km
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	27,132 Sq.m
	Area per car:	25 Sq.m
	Area per car:	25 Sq.m
	Number of 2-Wheelers as approved by competent authority:	Scooters-3,230 Nos. & Cycles -3,230 Nos.
	Number of 4-Wheelers as approved by competent authority:	179 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	15 m , 12 m, & 9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

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	Category as per schedule of EIA Notification sheet	8 (a) ,B2
	Court cases pending if any	NA
	Other Relevant Informations	We have received previously received Environmental clearance vide no.SEAC-2212/CR-353/TC-2 dated 30/09/2014 Project was recommendedfor Environmental clearance in 51st SEAC II meeting . Accordingly wehave submitted the reply to authority.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

Brief information of the project by SEAC

Representative of PP, Mr. Virbharati Kaul & Architect Mr. Rahul Vikhe were present during the meeting along with environmental consultant M/s Mahabal. PP informed that they have received earlier EC vide letter dated 30/9/2014. Committee noted the comparative changes due to proposed expansion/amendment.The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 47th meeting of SEAC II. 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 90,350 m2 & total construction area proposed in this meeting of the project is 1,37,022 m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, synopsis of compliances, presentation & plans submitted are taken on the record.

DECISION OF SEAC

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During discussion following points emerged:

1. Town Planning authority to ensure that no occupation certificate is issued to the project till permission for lifting water from river by the Irrigation Department in the Government is accorded for the project.

2. PP stated that sewer lines are not present on site. It is also observed that PP made arrangement of holding ponds for holding treated water for 7 days only. Further, it is also observed that Poshir River is abutting the project. Therefore, Committee observed that due to expansion, capacity of holding pond is inadequate and there are chances of pollution of river. PP agreed and stated that the sewage generated 1410 m3/day from our residential project will be treated in 2 Nos. of STP having capacity 1200 m3/day and 250 m3/day.

3. PP submitted revised fire tender movement plan showing fire tender access to all the proposed buildings.

4. PP will not hand over environmental infrastructure like waste water treatment facility, solid waste management, landscaping, garden, waste water holding ponds and its maintenance, etc. To society PP to own all these environmental infrastructure assets and will be responsible for operation and maintenance of the facility for entire life of the project. PP to have separate corpus of Rs 1.5 Cr to be deposited in the separate account for the same purpose. This arrangement will ensure sustainable operation of environmental infrastructure in the project. Developer will be legally responsible for non-compliance of the condition. PP to submit commitment indicating the same.

5. PP will develop and own secured landfill site. PP to maintain and operate the facilities for entire life a project. PP to ensure that it is a zero garbage project.

6. Fire tender movement is restricted in building D-3 due to dead ends. Road around the area should be connected to have free movement of fire tender.

7. PP to achieve the BOD of 5mg/lit and ensure that project is zero discharge project. PP indicated that they have acquired 5 acres of land reuse/recycle of treated waste water.

8. PP to achieve 15% of total energy demand through solar PV panels. PP to also explore solar and wind hybrid models for renewable energy and submit revise energy calculations. PP to provide continuous energy supply for floating aerators.

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

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Residential & Commercial Project

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	"Mantra 7 Hills"
2.Type of institution	Private
3.Name of Project Proponent	Mr Sailesh Agarwal
4.Name of Consultant	Ultra-Tech
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	New
8.Location of the project	GAT NO. 654,655 ,637 ,651,644,642 ,646 639
9.Taluka	Haveli
10.Village	Kirkitwadi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: 1
	Approved Built-up Area: 32986
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	28,600.00 m2
16.Deductions	4275.00 m2
17.Net Plot area	24,230.00 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32,835.00 m2
	b) Non FSI area (sq. m.): 28,864.00m2
	c) Total BUA area (sq. m.): 61,699.00 m2
19.Total ground coverage (m2)	4186 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17. 27 %
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A-	G +6	21.00
2	B1+B2	P + 12	37.7
3	C1+C2	P + 12	37.7
4	D1+D2	P + 12	37.7
5	E1+E2	P + 12	37.7
6	F1+F2	P + 12	37.7
7	Bunglows	G	6.00
8	TOTAL	Flats 956 nos. Bunglows 10nos. Shops 10 nos. and offices 10 nos.	Total

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23.Number of tenants and shops	No. of Tenements: -996 Shops 10 nos. and offices 10 nos.
24.Number of expected residents / users	Residential: 4830 Nos. Shops 50+ offices 133 nos. =183 Nos
25.Tenant density per hectare	341 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)	12 m Wide road , Fire station at Nanded city
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 up to 9m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Appiicable

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**	Grampanchayat Kirkatwadi
	Fresh water (CMD):	438
	Recycled water - Flushing (CMD):	221
	Recycled water - Gardening (CMD):	25
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	684
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	10m3 for bldg A 20m3 each wing
	Excess treated water	347

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Wet season:	**Source of water**	Grampanchayat Kirkatwadi
	Fresh water (CMD):	438
	Recycled water - Flushing (CMD):	221
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	659
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	10m3 for bldg A 20m3 each wing
	Excess treated water	372
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	438	438	0	66	66	0	372	372
Domestic	0	221	221	0	221	221	0	221	
Gardening	0	25	25	0	25	25	0	0	

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 11 to31m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 Nos.
	Size of recharge pits :	• 2X2X2m and Depth with 2 no. of de-siltation pits of 0.9 X 0.6 X 1.0 m. Deep and 60 m. Deep 6” Dia. Bore Wells.
	Budgetary allocation (Capital cost) :	Rs. 9.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.45 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity(CM) : 660 m3 Flushing UG tank Capacity(CM):220m3 Fire fighting (CM):300 m3

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35.Storm water drainage	**Natural water drainage pattern:**	From South to North
	Quantity of storm water:	21.0m3/min
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	593
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos. - 300 & 325 m3
	Location & area of the STP:	Near building A1& B, 107.31 m2
	Budgetary allocation (Capital cost):	Rs. 152.40 Lakhs
	Budgetary allocation (O & M cost):	s. 18.72 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	Used for back filling
Waste generation in the operation Phase:	**Dry waste:**	1026 kg/day
	Wet waste:	1489 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	120 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	will be handed over to SWACH
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near Bldg. F
	Area for the storage of waste & other material:	102 m2
	Area for machinery:	102 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30.00 Lakhs
	O & M cost:	Rs.-.6.83 Lakhs/Annu

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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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	250KVA-1 Nos	HSD 28 lit./hr.	1	4.5 m	NA	450 0C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	2850.00 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	352 Nos. + existing 6 Nos.= 358
	List of proposed native trees :	352 Nos. + existing 6 Nos.= 358
	Timeline for completion of plantation :	3-4 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Casslagrandls	Pink Shower	30	Drought tolerant, ornamental & medicinal plant
2	Michellachampa	Champa	27	Evergreen timber plant, ornamental,
3	Mimusopeselengii	Bakul	30	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamino	Weeping fig	30	Evergreen & bird attracting tree

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5	Syzygiumcumini	Jambul	29	fruit tree & bird attracting
6	Buteamonosperma	Flame tree	30	Used in pesticide & dye preparation,
7	Magniferaindica	Mango	30	Evergreen & bird attracting tree
8	Cassis fistula	Golden shower	27	Drought tolerant, ornamental & medicinal plant
9	Saracaindica	Sita Ashok	28	Evergreen medicinal plant
10	Roystiniaregia	Royal plam	32	Nitrogen fixer, ornamental plant
11	Manikarazapota	Chikoo	30	Tropical fruit tree & bird attracting tree
12	Neolamarikacadamba	Kadamba tree	29	Tropical fruit tree & bird attracting tree
13	Existing Trees	Existing	6	existing
14	TOTAL	TOTAL	358	TOTAL
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	125 kVA
	During Operation phase (Connected load):	1750 KW
	During Operation phase (Demand load):	3361 KW
	Transformer:	3 Nos. 630 KVA
	DG set as Power back-up during operation phase:	1 Nos. x 250 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto Timer control for external & Common lighting
Use of CFL / LED lamps in all public/ common areas.
Solar powered water heating.
Electronic V3F Drives for Elevators
Solar PV Panel power for common area lighting

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	Using Solar PV Panel .	0.2%
2	Using Timer Logic Controller	0.6%
3	Using Electronic VVF drive for Lifts	0.4%
4	Using Solar Water Heater :	20.6%
5	TOTAL	21.8%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	NA	2 No. 300 and 325 KLD
OWC	NA	1 No.
DG set	NA	1 No., 250 KVA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.150 Lakhs
	O & M cost:	Rs. 4.2 lakhs p. a.

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 & Noise	Water For Dust Suppression Air & Noise monitoring	0.84
2	Water	Tanker water for construction & worker Water monitoring	2.22
3	Land	Mobile Toilets & maintenance	5.4
4	Biological	Gardening & Excavation, transplantation	2.5
5	Socio	Disinfection at site, Safety, First Aid, Health Hygiene Facilities, Health Check Up, Creches for children , Personal Protective Equipment	5.85
6	Total	Total	18.51

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	1 No. Of 300 KL D capacity	152.40	18.72
2	Rain Water Harvesting	Recharge pits 4 Nos.	9.00	0.45
3	Environmental Monitoring	MoEF approved laboratory	0	6.20
4	Gardening	Plantation of 349 trees	25.98	2.5
5	Solid waste	OWC 1 No.	30.00	6.83

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6	Energy	2 No. Of DG -200 and 175 KVA	150.00	4.20
7	TOATL	TOTAL	367.38	38.9

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3400 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	1191 No.
	Number of 4-Wheelers as approved by competent authority:	116 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m,9m, & 12 m wide
	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	8a (B2)

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	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-08-2016

Brief information of the project by SEAC

55th SEAC-2:PP submitted their application for prior Environmental clearance for total plot area of 28,600.00 Sq. Mtrs, BUA of 61,699.00Sq. Mtrs and FSI area of 32,835.00 Sq. Mtrs. PP proposes to construct 6 nos. of residential buildings having maximum height of 37.7 Mtrs., 10 nos. of Bunglows,10 nos. of shops and 10 nos. of offices.

The case was earlier considered in 51st meeting of the SEAC - III held from 26th and 28th to 30th July 2016 and 54th meeting of the SEAC - III held from 19th to 23rd September 2016. This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra. 2. P to obtain CFO NOC as per prevailing rules as and when required.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Amendment in Environment Clearance for proposed 'TREES' project, a residential cum commercial developement

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	"Trees" proposed construction of Residential cum Commercial project.
2.Type of institution	Private
3.Name of Project Proponent	Godrej Vikhroli Properties LLP.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Residential cum Commercial Project (Area development)
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing C.T.S.No. 51 (part), 52, 52/1 to 17 (New CTS No. 51/B) of village Vikhroli, Vikhroli (E), Mumbai 400079.
9.Taluka	Kurla
10.Village	Vikhroli
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: CHE/ES/1721/S/337(NEW)
	Approved Built-up Area: 60833.62
13.Note on the initiated work (If applicable)	As per EC granted dated 23.02.2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,38,402.00 Sq. m
16.Deductions	35,201.01 Sq. m
17.Net Plot area	1,03,200.999 Sq.m (10.32 ha)
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,39281.30 sq.m
	b) Non FSI area (sq. m.): 1,85,993.7 sq.m
	c) Total BUA area (sq. m.): 4,25,275.0 sq.m
19.Total ground coverage (m2)	58128.84 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42 %
21.Estimated cost of the project	2630000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Godrej One (Existing Building)	Commercial Bldg. Two Basement & G+11	54.23Mts
2	Godrej Two	Commercial Bldg. Two Basement & G+14	64.99 Mts
3	Residential – 1	Two Basement & G+18	59.82 Mts
4	Residential -2	Two Basement & G+18	59.82 Mts
5	Residential – 3	Two Basement & G+18	59.82 Mts
6	Hotel	Two Basement & G+10	59.82 Mts

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7	Retail	Retail Market G+2	16 Mts

23.Number of tenants and shops	Tenements: 861 Shops: 45
24.Number of expected residents / users	Residents Users: 4,620 Nos ;Commercial User: 19,138 Nos; Hotel User: 875 Nos.; Retail Users: 2,917 Nos.; Total Users: 27,550 Nos.
25.Tenant density per hectare	84
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45 mts
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 mts
29.Existing structure (s) if any	1.1 commercial building 'Godrej One' ; 2.Old Factory structures (to be retained as Marketing office & Restaurant Bldg.)
30.Details of the demolition with disposal (If applicable)	Refer Annexure 1

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):	1188
	Recycled water - Flushing (CMD):	983
	Recycled water - Gardening (CMD):	139
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	2867
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0

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Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	1188
	Recycled water - Flushing (CMD):	983
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	2862
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Details of Swimming pool (If any)	267 cum capacity	

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 mts
	Size and no of RWH tank(s) and Quantity:	6 RWH tanks with 300 cmd capacity.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	2 Cr
	Budgetary allocation (O & M cost) :	9 lacs
	Details of UGT tanks if any :	Residential & Commercial: 3 fresh water tanks of capacities 455 cmd, 420 cmd and 420 cmd 3 fire tanks of capacities of 600 cmd, 200 cmd and 200 cmd 6 emergency rain water tanks of capacities 300 cmd

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35.Storm water drainage	**Natural water drainage pattern:**	Will be maintained
	Quantity of storm water:	122 cmd
	Size of SWD:	1.2 m deep x 1.0 wide
Sewage and Waste water	**Sewage generation in KLD:**	1,761cmd
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	6 STPs with total capacity of 1761 cmd
	Location & area of the STP:	Upper Basement
	Budgetary allocation (Capital cost):	10 Cr
	Budgetary allocation (O & M cost):	60 lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	50 kg/day
	Disposal of the construction waste debris:	Will be sold to authorised dealers.
Waste generation in the operation Phase:	**Dry waste:**	3,615Kg/day
	Wet waste:	5,420 Kg/day
	Hazardous waste:	2-2.5 MT/yr
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 Kg/day
	Others if any:	E – waste: Appx. 61,625 no. / yr
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be further segregated into recyclable and non-recyclable & will be handed over to the authorized recycler.
	Wet waste:	The biodegradable waste will be converted to compost using Bio-methanation plant.
	Hazardous waste:	Will be sold to authorised recyclers.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used for landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	Stilt level
	Area for the storage of waste & other material:	5500 sq mt. (including machinery)
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.69 Cr
	O & M cost:	50.7 lacs

37.Effluent Charecterestics

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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 :**	25,852.00 sq.m.
	No of trees to be cut :	95 nos.
	Number of trees to be planted :	700 nos.
	List of proposed native trees :	Refer attached EIA report
	Timeline for completion of plantation :	Till operation 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	Mangifera indica	Amba (Mango)	30	Refer attached EIA report
2	Grevilia robtusa	Silver oak	25	Refer attached EIA report
3	Couroupita guianensiis	Kailashpati	15	Refer attached EIA report

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4	Peltophorum ferrugianum	Sonmohar	35	Refer attached EIA report
5	Bahunia Purpuria	Kanchan	25	Refer attached EIA report
6	Delonix regia	Gulmohar	25	Refer attached EIA report
7	Phyllostachys bambusoides	Bamboo	20	Refer attached EIA report
8	lagerstomia Speciosa	Taman	30	Refer attached EIA report
9	Swetenia Mahagoni	Mahagani	20	Refer attached EIA report
10	Terminalia catappa	Badam	40	Refer attached EIA report
11	Alstonia scholaris	Saptparni	20	Refer attached EIA report
12	Azardiracta indica	Neem	40	Refer attached EIA report
13	Mimusoup elengi	Forest Spp.(bakul)	25	Refer attached EIA report
14	Spathodia campanulata	Spathodia	25	Refer attached EIA report
15	Cordia Sabistania	Cordia	20	Refer attached EIA report
16	Polyalthia longifolia	Ashoka	20	Refer attached EIA report
17	Putaranjiva roxbergii	Putranjiva	20	Refer attached EIA report
18	Kadamba	Anthocephalus kadamba	30	Refer attached EIA report
19	Barringtonia - Samunder ka phool	Barringtonia racemosa	25	Refer attached EIA report
20	Chikoo	Manilkara zapota	20	Refer attached EIA report
21	Umber	Ficus glomerata	30	Refer attached EIA report
22	Naral	Cocos nucifera	45	Refer attached EIA report
23	Announa Squamosa	Sitafal	30	Refer attached EIA report
24	Samania saman	Rain tree	30	Refer attached EIA report
25	Tabubia rosia	Tabubia	20	Refer attached EIA report
26	Pterospermum acerifolium	Muchkund	10	Refer attached EIA report
27	Mimusoup elengi	Bakul	20	Refer attached EIA report
28	Khaya sengalensis	Khaya	3	Refer attached EIA report
29	Parkia speciosa	Parkia	2	Refer attached EIA report
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	TATA/ Reliance
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	2 DG sets 100 KVA
	During Operation phase (Connected load):	33,118 KW
	During Operation phase (Demand load):	22,341KW
	Transformer:	4 nos of Transformers
	DG set as Power back-up during operation phase:	? 6 DG sets for residential areas: 500 KVA capacity 4 nos. and of 600 KVA capacity 2 nos. ? 19 DG sets for commercial areas of capacity: 750 KVA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Use BEE 5-star rated electrical equipments in common infra
- Use high efficiency (at least 75%) motors & pumps
- Energy savings gearless energy efficient elevators
- Mandate or provide energy efficient fixtures for interior fit-out
- Energy efficient LED lighting for common areas.
- High energy efficiency HVAC for commercial, retail areas and clubhouses
- Designing ECBC compliant & energy efficient electrical infrastructure
- Using energy efficient power distribution & distributed cabli

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	External Lighting	30%
2	Plumbing, STP & Fire Fighting	33.33%
3	Lifts	20%
4	Common Area Lighting	35%
5	Water Heating	25%

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. 5 Cr
	O & M cost:	Rs. 25 lakh.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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1	Capital and O & M cost	NA	29.35

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	10.00	60.00
2	Solid Waste Management	NA	1.69	50.7
3	Rain Water Harvesting	NA	2.00	9.00
4	Landscape	NAN	20.00	7.00
5	Energy saving features	NA	5.00	25.00
6	Monitoring of Environmental Parameters	NA	1.00	23.70
7	Environment monitoring cell	NA	1.00	10.00
8	Total	NA	39.56	138.02

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:	Eastern Express Highway is directly connected to the proposed site. There will not be any direct impact on the junction due to the traffic generated from this proposal due to existence of service road.

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Parking details:	**Number and area of basement:**	2 basements for each building
	Number and area of podia:	NA
	Total Parking area:	1,13,945.60 sq.m
	Area per car:	26.01 sq.m.
	Area per car:	26.01 sq.m.
	Number of 2-Wheelers as approved by competent authority:	0
	Number of 4-Wheelers as approved by competent authority:	4381
	Public Transport:	Bus stop and Railway stations near by
	Width of all Internal roads (m):	9 mts
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park at appx. 5.0 km
	Category as per schedule of EIA Notification sheet	8 b (B1)
	Court cases pending if any	NA
	Other Relevant Informations	The project was appraised by SEAC II for entire layout and recommended to SEIAA. SEIAA granted EC for the project, however released EC dtd. 23.02.2016 for area of 95,238.30 sq.m for which IOD was obtained. Subsequently, amended in EC was obtained dtd. 02.02.2017 for area of 1,06,432.55 sq.m. Now amendment is required for 60,833.62 sq.m.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-12-2016

Brief information of the project by SEAC

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Minutes of 107th SEIAA meeting:

The project was earlier considered by SEIAA in its 95thmeeting held on 11th and 12th January, 2016. SEIAA had decided to grant EC restricting Built up Area to 95238.30 Sq.m. Accordingly EC was isused on 16.09.2016 vide No. SEAC-2014/CR-71/TC-1.

Now PP approached SEIAA for balance BUA for which they have obtained sanction from the Local Planning Authority. The Authority noted that the proposal was considered by SEAC-II in its 40th meeting under screening category 8(a) B2 as per EIA Notification, 2006 and recommended to SEIAA subject to compliance of following point :-

(i) PP submitted biodiversity report. PP to obtain NOC from Wild Life Board in terms of OM of MoEF dated 30/03/2015.

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

During the meeting, PP informed that they had received permission for change of user from Industrial to Commercial (I to C) from the Competent Authority and proposed project is a mixed use development project comprising of Residential, Commercial & Retail components.

In the 95th meeting of SEIAA, PP has submitted approved plan dated 19.11.2015 by Municipal Corporation of Greater Mumbai (MCGM) restricting the total built up area to 95,238.3Sq.m. The project proposal was discussed on the basis of the compliance of SEAC-II committee submitted by PP and layout plan, floor plans, location of environmental infrastructure like STP, RWH, SWM etc, disaster management plan, parking and traffic .

management plan.

In 107th meeting of SEIAA, PP submitted the copy of concession document vide No. CE/1389/BPES/AS dated 28.07.2016 for built up area of 106432.5 Sq.m. for building No. G2 (Commercial Building).

DECISION OF SEAC

SEIAA-AGENDA-0000000008

After detailed deliberation, the SEIAA decided to grant Environment Clearance for approved built up area of 106432.55 Sq.m. subject to the compliance of following additional conditions:-

i) PP to shift STP from lower basement to the upper basement for better ventilation.

ii) NO services to be provided in the basement.

iii) PP to shift DG set and AC plant room from terrace to the ground level.

iv) North – East staircase to have access for evacuation of residents with wider access of minimum three meters.

v) Parking to be provided as per DCR norms.

vi) PP to submit an affidavit for achieving BOD of trated water less than 10 mg/L.

vii) E – Waste shall be disposed through authorized vendor as per E-waste (Management and Handling) Rules 2016.

viii) All the mechanical Ventillation rooms shall have LT panels and electrical panels on the ground floor.

ix) The kitchen area provided should have external wall for easy access to the fire tender in commercial areas.

x) All passages provided in the upper basement shall have access outside.

xi) The North – East Stair case shall have access for fire escape with wider access.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for PROPOSED BUILDING OF EYE HOSPITAL AND CANCER DAY CARE CENTRE WITH SANATORIUM at C. S. No. 3/207 (pt) & 4/207 (pt) of Salt pans Division, Wadala, Mumbai by SHANTILAL SHANGHVI FOUNDATION

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed Building of Eye Hospital and Cancer Day Care Centre with Sanatorium
2.Type of institution	Private
3.Name of Project Proponent	Sanjog Deshmukh, SHANTILAL SHANGHVI FOUNDATION
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Hospital 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	C. S. No. 3/207 (pt) & 4/207 (pt) of Salt pans Division, Wadala, Mumbai.
9.Taluka	Mumbai
10.Village	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Approved Plan for Eye Hospital No. EB/5429/FN/A dated: 22/07/2014
	IOD/IOA/Concession/Plan Approval Number: Approved Plan for Eye Hospital No. EB/5429/FN/A dated: 22/07/2014
	Approved Built-up Area: 4119.6
13.Note on the initiated work (If applicable)	FSI Area: 2,051.16 m2 & Total Construction Area: 6,292.68 m2 (As per Approved Plan for Eye Hospital No. EB/5429/FN/A dated: 22/07/2014)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved Plan for Eye Hospital No. EB/5429/FN/A dated: 22/07/2014
15.Total Plot Area (sq. m.)	7,770.13 m2
16.Deductions	564.96 m2
17.Net Plot area	7,205.17 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39,711.28
	b) Non FSI area (sq. m.): 15,908.87
	c) Total BUA area (sq. m.): 55,620.15
19.Total ground coverage (m2)	Total plot area = 7770.13 m2 Plinth area = 3328.37 m2 Open area = 4441.76 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43%
21.Estimated cost of the project	3850000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Cancer Day Care Centre	2B+G+15th upper floors	60.0
2	Eye Hospital	2B+G+15th upper floors	60.0

23.Number of tenants and shops	Cancer Day Care Center Beds: 580 Nos. Eye Hospital beds: 60 Nos.
24.Number of expected residents / users	2,080 Nos. (Including Floating Population)

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25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	8.30 m & 18.25 m wide RJ Gaikwad Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 7.5 m
29.Existing structure (s) if any	Yes, Godowns (Ground floor), Structure 1 to 3 (Ground floor), Chawl 1 &2 (Ground), Building (G+1st floor)
30.Details of the demolition with disposal (If applicable)	Demolition Quantity: 1572.71 m3 & it will be disposed as per MCGM directions

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):	279 KLD
	Recycled water - Flushing (CMD):	345 KLD (Flushing, Gardening & HVAC system)
	Recycled water - Gardening (CMD):	6 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	380 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	3 KLD

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Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	220 KLD + (59 RWH)
	Recycled water - Flushing (CMD):	339 KLD (Flushing & HVAC system)
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	380 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	9 KLD
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:**	2-3 m
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks with Total capacity 130 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 30 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1 Lacs/year
	Details of UGT tanks if any :	2nd Basement

35.Storm water drainage	**Natural water drainage pattern:**	Already a developed area, flat terrain with existing storm water drains
	Quantity of storm water:	864.92 m3/hr
	Size of SWD:	450X450 mm SWD

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Sewage and Waste water	**Sewage generation in KLD:**	352 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	400 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 81 Lacs
	Budgetary allocation (O & M cost):	Rs. 19 Lacs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: 1,511 m3
	Disposal of the construction waste debris:	The construction debris & Excavated Material will be disposed as per the "Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	168 kg/day
	Wet waste:	251 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	320 kg/day
	STP Sludge (Dry sludge):	3 m3/day
	Others if any:	Not applicable
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 and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Pre-treatment of BWM will be done on site & then it will be handed over to MPCB authorized vendor for disposal as per Biomedical Waste Handling rules 2016
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Biomedical waste will be handed over to MPCB & MCGM authorized vendor for disposal as per Biomedical Waste Handling rules 2016 & E waste quantity will be given to authorized MPCB vendor/agency
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 32 Lacs
	O & M cost:	Rs. 26 Lacs/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

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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 :**	1,125.00 m2
	No of trees to be cut :	3 Nos.
	Number of trees to be planted :	163 Nos.
	List of proposed native trees :	163 Nos.
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Magnifera Indica	Mango	19	large fruit-tree,
2	Areca Catechu	Betel palm	21	medium-sized and straight, fruit bearing tree
3	Bauhinia Blackeana	Orchid	25	legume tree , large thick leaves and striking purplish red flowers
4	Alstonia scholaris	Satwin	22	Shady Tree, white fragrant flowers
5	Lagerstroemia speciosa	Jarul	24	medium-sized tree, deciduous, flower with purple petals

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6	Pisonia Alba	lettuce tree	22	foliage tree or a large shrub, provieds leafy vegetable
7	Phoenix Sylvestris	Date palm	23	medium-sized tree
8	Kadamb	Anthocephallus cadamba	7	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	Chitrak- Plumbago Capensis	-	-
2	Raphis Palm	-	-
3	Kunti- Murraya Paniculata	-	-
4	Adulsa- Adhatoda Vasica	-	-
5	Wedelia- Wedelia Trilobata	-	-
6	Kardal- Canna Dwarf	-	-

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	1X250 kVA
	During Operation phase (Connected load):	4.8 MW
	During Operation phase (Demand load):	3.1 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Total DG set capacity – 3X1250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Efficient wall systems like solid blocks with fly ash content
Use of high energy efficient pumps for fire fighting, UG tanks and STP
Solar Street lights are proposed for common areas such as open spaces, pathways, RG etc.
Solar Hot Water 215 panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving: 23.63%	Total Energy saving: 23.63%
2	Energy saving through Renewable source as per Efficient proposed case is 15%.	Energy saving through Renewable source as per Efficient proposed case is 15%.

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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. 43 Lacs
	O & M cost:	Rs 2 Lacs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4
2	Site sanitation and Potable Water Supply to Labours	-	6
3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	5
4	Health check-up & first aid	-	5
5	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	8
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	4
7	Safety nets	-	7
8	Storm water Management	SWD along plot boundary and Sedimentation Pits	3
9	Tyre cleaning and Vehicle maintenance	-	3
10	Site Fencing	-	17
11	Safety Training to Workers (Twice in Year), Safety Officer	-	5
12	Disinfection	-	3

b) Operation Phase (with Break-up):

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

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1	STP (Tertiary)	ntinuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS, FC, Nitrate, Phosphate and O&G	81	19
2	Energy	Quarterly	43	2
3	Rain Water Harvesting	During rainy season (cleaning of SWD, Contour trenches and filtration units before rainy season)	30	1
4	Solid Waste Composting plant	Continuous O & M	16	6
5	Biomedical Waste Management	Continuous O & M	16	20
6	Landscape	Daily	14	2
7	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:	The Project site is accessible by 8.00 m & 18.00 m wide RJ Gaikwad Road

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Parking details:	**Number and area of basement:**	Hospital - 2 Basement- Area: 8,103.01 m2
	Number and area of podia:	NA
	Total Parking area:	Multiple Level Car Parking system provided
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	50 Nos.
	Number of 4-Wheelers as approved by competent authority:	364 Nos + 6 Nos. of Ambulance
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	The initial approval was obtained for the eye hospital on 22-7-2014 for the plot area of 3549.13 m2 and FSI area of 4123.25 m2, accordingly work began on the site. Now as per the latest DCR, our plot potential increases to 39,999.78 m2.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-08-2016

Brief information of the project by SEAC

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50(A) SEAC-2 :Representative of PP, Sanjog Deshmukh & Rajesh Shenoy were present during the meeting along with environmental consultant M/s Mahabal.

PP submitted following details for the proposed project: § 1. Shantilal Sanghvi Foundation is proposing Eye & Cancer Day Care Centre with sanatorium Building at C. S. No. 3/207 (pt) & 4/207 (pt) of Salt pans Division, Wadala, Mumbai. § 2. The initial approval was obtained for the eye hospital on 22-7-2014 for the plot area of 3549.13 m2 and FSI area of 4123.25 m2, accordingly work began on the site. At that time total development potential was less than 20,000 m2. § 3. In 2016, we have amalgamated additional land of 4221 m2 in the existing layout. Now the plot area is **7,770.13** m2, FSI area is **38,569.89** m2 and total construction area 52,034.5 m2. Hence, we had applied for EC on 02/08/2016. § 4. The total constructed area as on date is 6,292.68 m2 (FSI: 2051.16 m2, Non FSI: 4241.52 m2) 5. The Project comprises of 2 hospital buildings i.e. Eye Hospital (2B+G+15th upper floors) & Cancer day care centre (2B+G+14th upper floors)

PP informed that they have completed construction admeasuring 6,292.68 m2. Further, PP requested to reappraise the project as per circular of Environment Dept. dated 21/04/2015 issued on the basis of High Court orders. Committee observed that construction admeasuring 6,292.68 m2 prior to EC is violation of the provisions of EIA Notification. However, considering High Court orders and subsequent circular of Environment Department dated 21/04/2015, Committee appraised the matter. 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 7770.13 m2 & total construction area of the project is 52,034.50 m2. Committee noted that the project under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. 1. PP & Architect to submit undertaking on legal paper regarding construction undertaken is by them is less than 20,000 m2 & if it is false, PP is liable for further legal action as per the law. PP to submit detailed statement for the construction completed till date. 2. 2. PP to submit permissions of Atomic Energy Regulatory Board (AERB) for disposal of radioactive material and for location & designing the bunkers. 3. 3. PP to ensure that no radioactive isotopes are used in the day to day operations. 4. Since, parking is proposed in basement, PP to provide 30 air exchangers in normal mode with air cleaning system in the basements. 5. 4. PP to submit revised DMP specific to the Hospital. 6. 5. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Residential and Commercial Project

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Royal Grande
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sunil H. Adwani
4.Name of Consultant	Saitech Research & Development Organization
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	S. No. 73/2, 73/1B, 73/1C
9.Taluka	Mulshi
10.Village	Wakad
11.Area of the project	Pimpri-Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD are approved by PCMC vide letter no. bipi/paryavaran/wakad/07/2016 dated 15.07.2016
	IOD/IOA/Concession/Plan Approval Number: bipi/paryavaran/wakad/07/2016
	Approved Built-up Area: 31796.25
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	bipi/paryavaran/wakad/07/2016 dated 15.07.2016
15.Total Plot Area (sq. m.)	7,315 sq.mt.
16.Deductions	1,903.91 sq.mt.
17.Net Plot area	5,411.09 sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15,107.93
	b) Non FSI area (sq. m.): 16,794.96
	c) Total BUA area (sq. m.): 31,902.89
19.Total ground coverage (m2)	942.23
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12.88 %
21.Estimated cost of the project	790800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Buildings: 3 nos.	3P+21 upper floors	69.87
2	Convenient Shops: 5 nos.	Ground	NA

23.Number of tenants and shops	No. of tenants: 243 Nos. and Shops: 5 Nos.
24.Number of expected residents / users	From Residential + Shops: 1,251 Nos. (1,215+36)
25.Tenant density per hectare	250/hector

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
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**	PCMC Water Supply & Recycled Water
	Fresh water (CMD):	110.1
	Recycled water - Flushing (CMD):	55.6
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	0.4
	Total Water Requirement (CMD) :	176.1
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	74.6

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Wet season:	**Source of water**	PCMC Water Supply & Recycled Water
	Fresh water (CMD):	110.1
	Recycled water - Flushing (CMD):	55.6
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	0.4
	Total Water Requirement (CMD) :	166.1
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	84.6
Details of Swimming pool (If any)	Dimension: 2.5mX2.425mX0.6m, Total water requirement: 3.75 cum, Daily make up water requirement: 0.4 cumTreatment System comprise of sand filtration, Suction sweeping and Ozonation system	

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:**	Average level during Summer Season: 15.17 m, Average level during Rainy Season: 7.17 m & Average level during Winter Season: 11.17 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 nos. of recharge pits
	Size of recharge pits :	2m X 2m X 2m (Depth with 2 de-siltation pits of 0.9 m X 0.6m X1.0m size and 60 m deep 6
	Budgetary allocation (Capital cost) :	Rs. 4 lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.5 lakhs/year
	Details of UGT tanks if any :	Domestic UG tank capacity: 167 cum Flushing UG tank capacity: 70 cum Fire fighting UG tank capacity: 225 cum

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35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	209 cum/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	147.6
	STP technology:	Moving Media Bio-reactor
	Capacity of STP (CMD):	1 no. of STP of 150 cum/day capacity
	Location & area of the STP:	Location: Above Ground, Area: 82 sq.mt.
	Budgetary allocation (Capital cost):	Rs. 52 lakhs
	Budgetary allocation (O & M cost):	Rs. 11.09 lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Waste from labour camp: 25 kg/day & Top soil quantity: 292.2 cum
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilised in low-land levelling & base preparation of roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	246.6 kg/day
	Wet waste:	369.9 kg/day
	Hazardous waste:	Small quantity of DG set used oil, paints etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22.30 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to SWaCH agency for further handling & disposal
	Wet waste:	Converted to manure using Organic Waste Convertor of 100 kgs/hr capacity
	Hazardous waste:	Handed over to authorized vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure after OWC treatment
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	14 sq.mt.
	Area for machinery:	38.5 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15.75 lakhs
	O & M cost:	Rs. 3.15 lakhs/year
37.Effluent Charecterestics		

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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 :**	1,857.30 sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	95
	List of proposed native trees :	All native trees are proposed which is listed below.
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	4	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	6	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	3	Shady tree with red-yellow flowers

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4	Anthocephallus cadamba	Kadamba	3	Shady, large tree, ball shaped flowers
5	Lagerstroemia flos-regineae	Tamhan	2	State flower tree of Maharashtra. Medium sized tree, beautiful purple flowers
6	Murraya paniculata	Kunti	3	Small tree, Fragrant white flowers,Butterfly host plant
7	Manilkara zapota	Chiku	3	Medium size , fruit bearing tree
8	Mangifera indica	Mango	4	Tall, fruit bearing tree
9	Syzygium cumini	Jambhul	2	Dense ornamental, fruit bearing tree
10	Psidium guajava	Peru	2	Medium size , fruit bearing tree
11	Ficus retusa	Nandruk	3	Medium sized evergreen tree, Shady tree.
12	Michelia champaca	Son chafa	3	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
13	Caryota urens	Fish tail palm	5	Tall evergreen tree
14	Terminalia catapa	Badaam	3	Drought tolerant
15	Terminalia arjuna	Arjuna	4	Large evergreen tree
16	Lagerstromia lanceolata	Crape-myrtle	4	Medium deciduous tree. Flowers attract many birds.
17	Dalbergia latifolia	Shisham, Indian Rosewood	3	Drought tolerant
18	Terminalia paniculata	Kindal	4	Drought tolerant
19	Samane asaman	Rain tree	3	Large deciduous tree. Flowering
20	Tabebuia avellanedae	Tabebui pink	2	Large deciduous tree. Pink flowers
21	Tabebuia argentea	Tabebui yellow	4	Deciduous tree, ornamental, yellow flowers
22	Swietenia mahagoni	Mahagony	3	Large evergreen tree
23	Cocos nucifera	Coconut	6	Tall tree bearing woody fruit
24	Barringtonia racemosa	Cornbeef wood	3	Drought tolerant
25	Cassia fistula	Bahava	4	Medium sized deciduous tree.Beautiful yellow flowers, Butterfly host plant
26	Bauhinia racemosa	Apta	3	Small tree with small white flowers, Butterfly host plant
27	Erythrina indica	Pangara	3	Medium sized deciduous tree. Bright scarlet flowers.
28	Plumeria alba	Chafa	3	Fragrant white-yellow 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	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KVA
	DG set as Power back-up during construction phase	1 no. of 40 KVA
	During Operation phase (Connected load):	1,216 KW
	During Operation phase (Demand load):	1,080.88 KVA
	Transformer:	1 no. of 630 KVA
	DG set as Power back-up during operation phase:	1 no. of 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar water heating systems will be done for bathrooms.
2. Solar lights will be provided for common amenities like Street lighting & Garden lighting.
3. CFL & LED based lighting will be done in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
4. Auto Timer switches will be provided for Street lights, Garden lights, Parking & staircase Lights & other common area Lights, for saving electrical energy.
5. Water level controllers with timers will be used f

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	18830.35 KWH/year
2	Up Lighter - Light Fitting For Landscape Area	350.4 KWH/year
3	Bollard Lighter - Light Fitting For Landscape Area	255.5 KWH/year
4	Solar Street Light Fitting - Pole Light On Road Side	2190 KWH/year
5	Street Light on the Bldg.	1314 KWH/year
6	Energy Saving by Solar Hot Water System.	280125 KWH/year
7	TOTAL Annual Savings	303065.25 KWH/year
8	Percentage Savings Per Day	3.3%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 54.50 Lacs
	O & M cost:	Rs. 1.40 lacs/year

51.Environmental Management plan Budgetary Allocation

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a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	To control Air pollution	2
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	2.5
3	Environmental Monitoring	Air, water noise & soil analysis	2.06
4	Health Check up	To check fitness of workers	2.5
5	Environment Management Cell	To prepare team for environmental management	1.6
6	Total	NA	10.66

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 Cost	To treat sewage	52	11.09
2	Solid Waste Management	To treat bio degradable solid waste	15.75	3.15
3	Green Belt development	For plantation	26.64	4.45
4	Rain water harvesting	To harvest rain water	4	0.5
5	Energy Efficient equipments	For use of solar lighting, solar heater	54.50	1.40
6	Environmental monitoring	Air, water, noise & soil analysis	NA	2.88
7	Swimming Pool	Filtration & ozonation treatment	9	0.5
8	Environment Management Cell	Team formation for environmental managemnet	NA	0.64
9	Total	NA	161.89	24.61

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	East and West side Junctions to main approach road. Total Nos.:2
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	2 podium (one on 1st floor and one on 2nd floor). areas is Approx.1592.65
	Total Parking area:	4383.61 sq.mt.
	Area per car:	For ground: 33.48 sq.mt., For 1st podium: 37.67 sq.mt. & for 2nd podium: 37.47 sq.mt.
	Area per car:	For ground: 33.48 sq.mt., For 1st podium: 37.67 sq.mt. & for 2nd podium: 37.47 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	498
	Number of 4-Wheelers as approved by competent authority:	126
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2 category
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-07-2016

Brief information of the project by SEAC

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56th SEAC-3 :PP submitted their application for prior Environmental clearance for total plot area of 7,315.00 Sq. Mtrs, BUA of 31,902.89 Sq. Mtrs and FSI area of 15,107.93 Sq. Mtrs. PP proposes to construct 3 nos. of residential buildings having maximum height of 69.87 Mtrs. and 5 nos. of shops.

The case was earlier discussed in 51st meeting of the SEAC - III held from 26th and 28th to 30th July 2016 and 54th meeting of the SEAC - III held from 19th to 23rd September 2016.This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP informed that they have obtained full potential sanction.

2. PP to obtain and submit Aviation NOC.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Residential Project at CTS no. 101, Survey 38 (pt) Village Tirandaz, Powai, Mumbai by M/s. Skyline Mansions Pvt. Ltd.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jaysinh Dave
4.Name of Consultant	ABC Techno Labs India Private Limited
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At CTS no. 101, Survey 38 (pt) Village Tirandaz, Powai, Mumbai , Maharashtra.
9.Taluka	Mumbai
10.Village	Tirandaz
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Obtained
	IOD/IOA/Concession/Plan Approval Number: Building No. 2 - CE/1193/BPES/AS & Building No.3 - CE/1194/BPES/AS
	Approved Built-up Area: 1,90,533.95 sq.m Concession approved by Municipal Commissioner Under File no. CE/1193/BPES/AS & CE/1194/BPES/AS dated 03.01.2017
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1,23,647.25 m2
16.Deductions	86,446.21 m2
17.Net Plot area	37,201.01 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 91,409.47 m2
	b) Non FSI area (sq. m.): 99,124.48 m2
	c) Total BUA area (sq. m.): 1,90,533.95 m2
19.Total ground coverage (m2)	12,962.0 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34 % of Net Plot Area
21.Estimated cost of the project	5120000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building - 2 (Wing A, B, C)	Basement + Ground + Podium + Stilt + 28 Floors	97.75
2	Building – 2 (Wing D, E, F)	Basement + Ground + 2 Nos. Podium + Stilt + 26 Floors	97.75
3	Building – 3 (Wing A, B, C)	Two Level Basement + Ground + Podium + Stilt + 28 Floors	97.75

23.Number of tenants and shops	Total tenants: 1249 Nos.

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24.Number of expected residents / users	6,245 users
25.Tenant density per hectare	4113/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)	18.30 Mtrs
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 Mtrs
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**	Municipal Water Supply
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	281
	Recycled water - Gardening (CMD):	69
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	921
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	450
	Excess treated water	294

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Wet season:	**Source of water**	Municipal Water Supply
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	281
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	852
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	450
	Excess treated water	363
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:**	6 - 7 Mtrs
	Size and no of RWH tank(s) and Quantity:	7 RWH tanks with 390 cum. capacity
	Location of the RWH tank(s):	On ground
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	5 Nos.
	Budgetary allocation (Capital cost) :	39.15 Lakhs
	Budgetary allocation (O & M cost) :	1.5 Lakhs
	Details of UGT tanks if any :	For each wing of Bldg. 2 respectively: A,B,C,D,E & F 1. Domestic Water tank Capacity: 426.0 m3 2. Raw Water tank Capacity: 320 m3 3. Fire Fighting tank Capacity: 600 m3 For Bldg. 3: 1. Domestic Water tank Capacity: 140 m3 2. Raw Water tank Capacity: 70 m3 3. Fire Fighting tank Capacity: 300 m3

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35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.930 Cum/Sec for building No-2 and 0.185 Cum/Sec for building No-3
	Size of SWD:	Varies from 300 mm to 1000 mm
Sewage and Waste water	**Sewage generation in KLD:**	720 KLD
	STP technology:	Moving bed biofilm reactor (MBBR)
	Capacity of STP (CMD):	1 STP of 720 KLD Capacity
	Location & area of the STP:	Above Ground
	Budgetary allocation (Capital cost):	108 Lakhs
	Budgetary allocation (O & M cost):	22.85 Lakhs/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	28000 cum
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	1124 kg/day
	Wet waste:	1686 kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	22 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorize vendor for further handling and disposal.
	Wet waste:	Will be converted to compost using Organic Waste Convertor.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	93 m2
	Area for machinery:	2.6 M x 7.2 M x 2.7M
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45 Lakhs
	O & M cost:	2.95 Lakhs/Annum

37.Effluent Charecterestics

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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 :**	9817.89 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	672 Nos.
	List of proposed native trees :	Azardirachta indica, Alstonia scholaris, Anthocephalus kadamba, Cassia fistula, Largerstroemia indica, Michelia champaca, Murraya exotica, Pongamia pinnata, Spathodea companulata, Tabebuia rosea
	Timeline for completion of plantation :	With compleation 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	Azardirachta indica	Neem	67	Native, Medicinal value, to control soil erosion, Evergreen
2	Alstonia scholaris	Satwin	48	Evergreen medicinal plant

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3	Anthocephalus kadamba	Kadamb	38	Medicinal value, timber yielding plant, suitable for reforestation, ornamental plant
4	Cassia fistula	Cassia fistula	80	Medicinal value, Drought tolerant species, ornamental, flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Largerstroemia indica	Tamhan	92	creates shade, attracts birds/butterflies/bees, good for screening
6	Michelia champaca	Son chafa	98	Fragrant flowers or leaves, attracts birds/butterflies/ bees, evergreen tree
7	Murraya exotica	Kunti	105	Medicinal & ornamental plant
8	Pongamia pinnata	Karanj	41	Medicinal& Biodiesel yielding Plant
9	Spathodea companulata	Akash Shevga/Fountain Tree	57	Shade giving ornamental plant
10	Tabebuia rosea	Basant rani/Pink trumpet	46	Flowering, Shade giving, Drought Tolerant
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 :**	Reliance Energy
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	3 x 125 KVA, 1 x 250 KVA & 3 x 625 KVA
	During Operation phase (Connected load):	25086.0 KW
	During Operation phase (Demand load):	8276.0 KW
	Transformer:	6 x 2000 KVA
	DG set as Power back-up during operation phase:	3 x 125 KVA, 1 x 250 KVA & 3 x 625 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Total Energy saving by Non-Conventional method will be 12 %

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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of CFL/LED Lamps, Solar power, Use of VFD & APFC panel , • Electronic VFD for Elevators,	Total - 25 %

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:**	227 Lakhs
	O & M cost:	27.2 Lakhs/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	Water for Dust Suppression	Dust control	3.0
2	Site Sanitation, Safety & Disinfection	Workers Health	4.0
3	Environmental Monitoring	Air, Water, Soil, Noise Sampling & testing	4.0
4	Health Check up	Routine Health checkup of Workers	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Sewage treatment	108	22.85
2	Solid waste management	Disposal of Wer and Dry waste	45	2.95
3	Landscape	Green belt deveopment	105	6.0
4	Rain water harvesting	Infrastucture of RWH	39.13	1.5
5	Energy Saving	Energy saving features	227	27.2
6	Environment Management	Environmental monitoring	Not applicable	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

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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	No. of Junction 2
Parking details:	**Number and area of basement:**	Building 2 – 1 Basement, Building 3 – Two Level Basement, Total Area of Basement: 20,623.74 m2
	Number and area of podia:	Two podium (Podium / Stilt) for both 2 and 3 Building, Area of Podium : 17121.86 m2 , Area of Stilt : 14823.14 m2
	Total Parking area:	Total Car Parking Area - 35079.98 m2
	Area per car:	Ranging From 13.60 m2 to 28.48 m2 for ground, basement, podium and stilt.
	Area per car:	Ranging From 13.60 m2 to 28.48 m2 for ground, basement, podium and stilt.
	Number of 2-Wheelers as approved by competent authority:	251 Nos.
	Number of 4-Wheelers as approved by competent authority:	1848 Nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m to 7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay gandhi national parkt - 4.9 Km
	Category as per schedule of EIA Notification sheet	8 a (B1)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-11-2015

Brief information of the project by SEAC

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Minutes of 51st SEAC-2 meeting :

Representative of PP, Jaisingh Dave & Architect Manoj Dahsaria were present during the meeting along with environmental consultant M/s ABC Techno labs P L.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that project was earlier considered in 42nd & 50th meetings of SEAC II. PP submitted EIA report. 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 1,23,647.25 m2 & total construction area of the project is 1,90,533.95 m2. Committee noted that the project under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit revised HRC NOC.

2. PP, if applicable, to obtain NOC from Wild Life Board in terms of OM of MoEF dated 30/03/2015. Further, it is informed that part of the project falls within 4.9 km of SGNP. PP & concerned Municipal Corporation to ensure the compliance of the NGT order dated 03/12/2015 in the application MA.No.125/2014 before issuing commencement certificate for further construction permissions in the area.

3. PP as agreed to provide 30 air exchangers & air cleaning system in the basement.

4. PP to submit revised Disaster Management plan.

5. No cutting & filling

6. PP to submit revised social economic status of the projects.

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

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

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FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for "Express Zone", at Village Dindoshi and Malad, Goregaon (East), Mumbai.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	"Express Zone"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kalpesh D. Vora C.A. to Owner (Partner)
4.Name of Consultant	Ultra-Tech
5.Type of project	Commercial project
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	Not applicable
8.Location of the project	C.T.S. No. 1B/1(pt), 1B/2, 1B/3, 1B/4, 1B/5 of Village Dindoshi & C.T.S. No. 581/C (pt), 581/D of village Malad at Goregaon (East), Mumbai.
9.Taluka	Borivali
10.Village	Malad
11.Area of the project	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	IOD dt. 06.06.2006 and Amended Plans dt. 09.03.2009
	IOD/IOA/Concession/Plan Approval Number: Conssesion Approval: CE/9139/WS/AP, IOD: CHE/9139/SG(WS)/AP
	Approved Built-up Area: 62431.41
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 62431.41 Sq. m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	16,973.33 Sq. m.
16.Deductions	3,435.18 Sq. m.
17.Net Plot area	13,538.15 Sq. m.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25,536.41 Sq. m.
	b) Non FSI area (sq. m.): 36,895.00 Sq. m.
	c) Total BUA area (sq. m.): 62,431.41 Sq. m.
19.Total ground coverage (m2)	7,846.25 Sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	58%
21.Estimated cost of the project	1841300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Building with 2 Wings (Wing A & Wing B)	2 Basements + Ground Floor + 11 Upper Floors	44.35 m.(Upto Terrace Level)

23.Number of tenants and shops	Shops: 564 nos. Offices
24.Number of expected residents / users	Shops: 1692 Nos. Offices: 1532 nos. Total Occupancy: 3224 Nos.
25.Tenant density per hectare	--

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m and 13.45 m wide existing road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Mini. 6.00 m.
29.Existing structure (s) if any	Total Construction completed as per received IOD and CC.
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**	MCGM
	Fresh water (CMD):	63
	Recycled water - Flushing (CMD):	78
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	156
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	22

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Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	63
	Recycled water - Flushing (CMD):	78
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	141
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	37
Details of Swimming pool (If any)	--	

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:**	Below 4.0 m
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 nos. Recharge Pits
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 5 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.25 Lacs/annum
	Details of UGT tanks if any :	For Wing A: 2nd Basement Level For Wing B: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external drain.
	Quantity of storm water:	0.29m3/sec
	Size of SWD:	2 nos. of discharge points of sizes 06.m X0.9 m each

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Sewage and Waste water	**Sewage generation in KLD:**	128 KLD
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology
	Capacity of STP (CMD):	1STP of capacity 145 KL
	Location & area of the STP:	2nd Basement Level
	Budgetary allocation (Capital cost):	Rs. 59.95 Lacs
	Budgetary allocation (O & M cost):	Rs. 10.93 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The excavated material generated has been already disposed to the authorized sites with permission from M.C.G.M.
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	257
	Wet waste:	65
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19 Kg/day
	Others if any:	E - waste: 125Kg/month
Mode of Disposal of waste:	**Dry waste:**	Non recyclable: To M.C.G.M. Recyclable: To Recyclers
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As Manure
	Others if any:	E - waste: To Authorized Recyclers
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	35 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.18.00 Lacs
	O & M cost:	Rs.2.36 Lacs/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			

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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 :**	RG on the ground: 2152.40 Sq. mt.
	No of trees to be cut :	Already cut: 174 Nos.
	Number of trees to be planted :	Already Planted : 580 Nos.
	List of proposed native trees :	Trees already planted on site.
	Timeline for completion of plantation :	Trees already planted on site

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	Reliance Infrastructure Ltd.
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	6250 KW
	During Operation phase (Demand load):	4751 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	100% Power backup for Common Services For Mall: 1 DG set of capacity 180 kVA For Offices: 1 DG set of capacity 100 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

? Use of Standalone Solar system poles for Landscape & Street lighting
? Use of LED lights instead of CFL lights for Shop lighting and lighting of Common area such as Stairs / Lobby etc.
? Use of Bureau of Energy Efficiency (BEE) FIVE star certified Air conditioners.
? Use of BEE Certified Motors
? Use of Group controls and Variable speed drives for lifts
? Use of T5 lights instead of T8 lights for basements lighting
? Use of AC Pump system with Variable Frequency Drive (VFD) drives operation
? Use of Capacitor bank panel provided for maintaining power factor between 0.95 and unity
? Energy meters provided for recording consumption for utility pumps & external lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? Use of Standalone Solar system poles for Landscape & Street lighting ? Use of LED lights instead of CFL lights for Shop lighting and lighting of Common area such as Stairs / Lobby etc. ? Use of Bureau of Energy Efficiency (BEE) FIVE star certified Air conditioners. ? Use of BEE Certified Motors ? Use of Group controls and Variable speed drives for lifts ? Use of T5 lights instead of T8 lights for basements lighting ? Use of AC Pump system with Variable Frequency Drive (VFD) drives operation	% of saving: 24 %

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. 4.20 Lacs (solar system)
	O & M cost:	Rs. 0.05 Lacs/annum (solar system)

51.Environmental Management plan Budgetary Allocation

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a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not applicable	Not applicable	Not applicable

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 Environment	Gardening	9.00	0.20
2	Air Environment	Ambient air & Noise quality Monitoring	No set up cost is involved	0.08
3	Air Environment	DG Stack Exhaust Monitoring	No set up cost is involved	0.04
4	Water Environment	Waste water treatment: 1 STP of capacity 145 KL	59.95	10.93
5	Water Environment	Water Conservation (Rain Water Harvesting System): 2 nos. of Recharge pits	5.00	0.25
6	Land Environment (Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC (2 nos.)	18.00	2.36
7	Land Environment (Solid Waste Management)	Monitoring of OWC manure	No set up cost is involved	0.06
8	Energy Conservation	Solar system	4.20	0.05
9	Building Management System (BMS)	--	--	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:	4 entry and 5 exits

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Parking details:	**Number and area of basement:**	Two basements
	Number and area of podia:	Not Applicable
	Total Parking area:	15,248.74 Sq. m.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	53 Nos.
	Number of 4-Wheelers as approved by competent authority:	319 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	4.5 - 9.15 m. wide
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : App 1.70 Km (Aerial distance)
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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34th SEAC-2 : Committee noted that construction for entire project has been completed.

PP informed regarding orders issued by the Environment Department vide letter dated 14/11/2014 regarding action taken on violation as per the Environment Protection Act 1986. It is also informed that case has been filed before Magistrate, Borivali against Project Proponent by MPCB bearing criminal case No. 670082/SW/2015 dated 05/03/2015.

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 16,973.33 m2 & total construction area of the project is 62,431.41 m2 . Committee appraised the project under 8a (B2) category of EIA Notification, 2006.

DECISION OF SEAC

During discussion following points emerged:

1. Committee noted that construction is completed. 2. It is observed that STP is located in basement. PP to provide adequate ventilation and air cleaning system in basement. 3. It is observed that south west side internal layout road is 4.5 m. PP to widened it to 6 m for smooth fire tender movement and also to provide turning radius of 9.5 m. 4. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon?ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Is a case of violation. Deferred until opinion is received from the L&JD

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for "Star City " Residential & Commercial Complex at Survey No. (327)363/1 & 3, (328)365/1 to 7, (329) 364, (330), 367/7, 8, (331) 366/1, 2, 3, (332) 368/1, 3, 5, 6 at Village Juchandra & S. No. 99/3 of village Chandrapada, Taluka Vasai, District Palghar by Rashmi Housing Pvt. Ltd.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	"Star City " Residential & Commercial Complex
2.Type of institution	Private
3.Name of Project Proponent	Mr. Hemendra P. Bhosmiya Rashmi Housing Pvt. Ltd.,B/215, Shanti Shopping Centre, 1st Floor Opposite Railway Station, Mira Road (E), Thane- 401107
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	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. (327)363/1 & 3, (328)365/1 to 7, (329) 364, (330), 367/7, 8, (331) 366/1, 2, 3, (332) 368/1, 3, 5, 6 at Village Juchandra & S. No. 99/3 of village Chandrapada, Taluka Vasai, District Palghar
9.Taluka	Vasai
10.Village	Village Juchandra & village Chandrapada
11.Area of the project	Vasai Virar City Municipal Corporation (VVCMC)
12.IOD/IOA/Concession/Plan Approval Number	CC received from CIDCO & VVCMC
	IOD/IOA/Concession/Plan Approval Number: CC received For Authority received Dates Part 1 CIDCO 24-7-2009 18-08-2009 07-12-2009 03-07-2012 Part 2 CIDCO 24-05-2013 Part 3 VVCMC 20-05-2015
	Approved Built-up Area: 73813.56
13.Note on the initiated work (If applicable)	Phases Construction area in sq.m. Status of construction Star City Part 1 57866 Completed Star City Part 2 9253.42 RCC work till 7th Slab Star City Part 3 6693.58 Till foundation work
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	67520.00 sq.m.
16.Deductions	24168.77 sq.m.
17.Net Plot area	43351.23 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 55319.15
	b) Non FSI area (sq. m.): 18494.41
	c) Total BUA area (sq. m.): 73813.56
19.Total ground coverage (m2)	8266.70 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19%)
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	Type A to F, Type F to J, D1,D2,F1,G1	G +7	24.00
2	Bldg. 1 To 3 (Wing A , B)	G +7	24.00
3	Bldg. 1	G +14	43.40

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4	Bldg. 2	G +13	40.55

23.Number of tenants and shops	Phase No. of Flats No. of Shops Existing Proposed Total Existing Proposed Total Part 1 923 314 1237 162 68 230 Part 2 - 203 203 - 17 17 Part 3 - 268 268 - - - Total 923 785 1708 162 85 247
24.Number of expected residents / users	Phase Flats Shops Existing Proposed Total Existing Proposed Total Part 1 4615 1570 6185 486 204 690 Part 2 - 1015 1015 - 51 51 Part 3 - 1340 1340 - - - Total 4615 3925 8540 486 255 741
25.Tenant density per hectare	1972nos./ 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)	20 m wide D.P Road & 30 m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 6 m
29.Existing structure (s) if any	Phases Status of construction Star City Part 1 Completed Star City Part 2 RCC work till 7th Slab Star City Part 3 Till foundation work
30.Details of the demolition with disposal (If applicable)	N.A

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	VVCMC / STP Treated water
	Fresh water (CMD):	425+358=783
	Recycled water - Flushing (CMD):	220+183=403
	Recycled water - Gardening (CMD):	38
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	667+557=1224
	Fire fighting - Underground water tank(CMD):	nil
	Fire fighting - Overhead water tank(CMD):	25 cum for each wing
	Excess treated water	556
Wet season:	**Source of water**	VVCMC / STP Treated water/RWH Tank
	Fresh water (CMD):	499+284KLD (VVCMC + RWH tank)
	Recycled water - Flushing (CMD):	220+183=403
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	645+541=1186
	Fire fighting - Underground water tank(CMD):	nil
	Fire fighting - Overhead water tank(CMD):	25 cum for each wing
	Excess treated water	594
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	upto 3 m
	Size and no of RWH tank(s) and Quantity:	569 cum (2 days capacity)
	Location of the RWH tank(s):	At ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 85.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 4.30 lakhs
	Details of UGT tanks if any :	domestic tank = 783 cum flushing tank=403 cum fire tank= OH= 25 cum for each wing Rain water harvesting tank = 569 cum (2 days capacity)
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	Total Actual Discharge =0.766 cum/sec Total Design Discharge = 0.15 cum/sec (based on 125 nos. of out let of 0.05 cum)
	Size of SWD:	B = 0.45 m, D = 0.30 m
Sewage and Waste water	**Sewage generation in KLD:**	(Existing +Proposed= Total) 602+506 =1108
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1165
	Location & area of the STP:	Ground level
	Budgetary allocation (Capital cost):	Rs. 230.00 lakhs
	Budgetary allocation (O & M cost):	Rs 57.00 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	waste material generated will be disposed by covered trucks to the authorized sites.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight 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 Planing Authority.
Waste generation in the operation Phase:	**Dry waste:**	1008+830=1838Kg/Day
	Wet waste:	1421+1197=2618kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	38+32=70 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Will be hand over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	151 sq.m. (Existing +Proposed Bldgs.)
	Area for machinery:	14 sq.m. (existing & proposed bldgs. both)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.20.00 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		

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	7708.01 Sq.mt
	No of trees to be cut :	nil
	Number of trees to be planted :	818 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	Anthocephallus cadamba	Kadamb	40	medicinal value, control soil erosion
2	Alstonia scholaris	Satwin	30	Shaded tree
3	Peltofourm	Yellow Gulmohar	30	flowering
4	Mimusops elengi	Bakul	35	flowering
5	Terminalia cattapa	Almond tree	40	edible fruits
6	Cassia renigera	Cassia Sps.	35	shady
7	Adina cordifolia	Kadam	30	shady
8	Albizia lebbeca	Shirish	36	shady
9	Tabernaemontana divaricata	Tagar	40	flowering
10	Spathodea campanulata	African tulip	30	shady
11	Michelia champaca	Sonchafa	20	flowering
12	Polyalthia logifolia	Asu palav	25	for noise pollution
13	Callistemon sps	Australian Bottle Brush	15	shady
14	Grevillea robusta	Silver oak	17	shady
15	Azadirachta indica	Neem	20	medicinal, soil erosion
16	Ficus benjamia	Fig Tree	20	medicinal
17	Bombax ceiba	Silk cotton tree	30	tropical
18	Barreingtonia racemosa	Samundraphal	30	flowering
19	Caryota urens	Fish Tail Palm	40	ornamental
20	Ravenala madagascariensis	Ravenella Fan Palm	50	ornamental
21	Roystonea regia	Royal Palm	50	ornamental
22	Bauhinia purpuria	Purple Orchid Tree	40	drought tolerant
23	Millingtonia hortensis	Indian Cork Tree	40	flowering
24	Thespesia populsea	Indian Tulip	45	flowering
45.Total quantity of plants on ground				

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

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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)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	5479Kw+5598 kw = 11077 Kw
	During Operation phase (Demand load):	3329 kw +3424Kw= 6753 Kw
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 X (180, 80,50,40 KVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NIL

48.Energy saving by non-conventional method:

Energy saving measures:
• Common area lighting with LED Light
• 60% of External area compound wall lighting kept on solar system.
• 60% solar lighting at landscape/road
• Lift –regenerative types

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	19%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 102.00 lakhs
	O & M cost:	Rs.10.00 lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environemnt	dust suppression	2.50

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2	Land Environment	site sanitation	2.00
3	Environmental Monitoring	air, soil, noise, water	15.0
4	EHS	disinfection	2.0
5	EHS	health check up	3.5

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 envrionment	STP Cost	230.00	57.00
2	Energy saving	Solar Energy	102.00	10.00
3	Land environment	Landscaping	12.00	3.00
4	Land environment	Solid Waste Management	20.00	6.00
5	Water Environment	RWH	85.00	4.30

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Entries & Exit: 2 Nos. Vehicular Entries & Exits Roads:20 M wide DP Road &30 m wide DP Road

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Parking details:	**Number and area of basement:**	nil
	Number and area of podia:	nil
	Total Parking area:	2093 sq.m.
	Area per car:	23.00 sqw.m.
	Area per car:	23.00 sqw.m.
	Number of 2-Wheelers as approved by competent authority:	1371 Nos.
	Number of 4-Wheelers as approved by competent authority:	91 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m wide
	CRZ/ RRZ clearance obtain, if any:	It is recommended in 107th meeting of MCZMA dated 07-11-2015
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tugareshwar National Park =28.70 Km
	Category as per schedule of EIA Notification sheet	Schedule 8a, Category B
	Court cases pending if any	Nil
	Other Relevant Informations	compliance of 105th SEIAA mtg. has been submitted.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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45th SEAC-2 Representative of PP, Ashok Bosmiya was present in the meeting along with Consultant M/s EAEPL. PP informed and placed before the orders issued by the Environment department vide letter dated 19/05/2014 regarding action taken on violation as per the Environment Protection Act 1986. Since, action on violation is completed, committee decided to appraise the project for Environmental Clearance.

PP also informed that case has been filed before first class Judicial Magistrate, Vasai against project proponent by MPCB bearing case no. 505/2014 dated 03/07/2014. Committee noted that result of the case filled with district magistrate is still pending. PP informed that they have constructed area admeasuring 67,000 m2 & submitted following details for construction completed:

PHASES- CONSTRUCTION AREA IN SQ.M. - STATUS OF CONSTRUCTION

Part 1 - 57866 - Completed

Part 2 - 9253.42 - RCC work till 7 th Slab

Part 3 - 6693.58 - Till foundation work

PP further informed that they have received recommendations from MCZMA in its 107th meeting vide letter dated 07/11/2015.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It was noted that the proposal was earlier discussed in the 9th & 29th SEAC II meetings. 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 67,520 m2 & total construction area of the project is 73,813.56 m2 . Committee noted that the project under 8a (B2) category of EIA Notification, 2006.

DECISION OF SEAC

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During discussion following points emerged:

1. Conditions stipulated in MCZMA should be strictly implemented. 2. PP to obtain all required statutory approvals wherever required. 3. PP to submit details of source of water with documentary evidences for sustainable water supply. 4. PP to submit details of the drainage system and disposal of treated waste water. 5. PP agreed to increase renewable energy component in addition to the existing provision. 6. It is observed that fire tender movement around buildings is inadequate. PP to provide smoother fire tender movement space all around the buildings. 7. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon?ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Water availability certificate not received from VVMC despite a lapse of more than 1 year. D.O letter to be issued to Commissioner VVMC regarding water availability. Deferred until then

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Residential Project at CTS No. 167/C of village Magathane, Borivali-East Mumbai by Sheth Developers Pvt. Ltd.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ashwin Sheth,Sheth Developers Pvt. Ltd. Sheth House, Next to Dindoshi Fire Station. Gen. A. K. Vaidya Marg, Off. Western Express Highway, Malad (E), Mumbai – 400 097
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	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS No. 167/C of village Magathane, Borivali-East Mumbai
9.Taluka	borivali
10.Village	magathane
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	applied for concession to MCGM dated 01-10-2016
	IOD/IOA/Concession/Plan Approval Number: applied for concession to MCGM dated 01-10-2016
	Approved Built-up Area: 25188.81
13.Note on the initiated work (If applicable)	66712.63sq.m. (Existing Bldgs. i.e. 1, 2 Wing A, 4, 5, 6 and Godown Bdlg.) + 19907.62 sq.m. (Clarion- Wing B to E) = 86620.25 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	33771.00 sq.m
16.Deductions	8563.57 sq.m.
17.Net Plot area	25207.43 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14093.56
	b) Non FSI area (sq. m.): 11095.25
	c) Total BUA area (sq. m.): 25188.81
19.Total ground coverage (m2)	15942.00 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	63.24%)
21.Estimated cost of the project	1458300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg No. 2 Wing B, C, D, E	S + 2P+14/15(pt) Floors	55.50 m

23.Number of tenants and shops	No. of units =236 Nos.
24.Number of expected residents / users	1180 NOS

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25.Tenant density per hectare	86 Nos./ 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)	12 m wide access road which is connected to western express highway
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 B, C, D, E is constructed up to 12 floors
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**	MCGM / STP Treated water
	Fresh water (CMD):	181 KLD
	Recycled water - Flushing (CMD):	90 KLD
	Recycled water - Gardening (CMD):	40 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	311
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	97

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Wet season:	**Source of water**	MCGM / STP Treated water/RWH Tank
	Fresh water (CMD):	181 KLD
	Recycled water - Flushing (CMD):	90 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	271
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	137
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:**	between 2-3m
	Size and no of RWH tank(s) and Quantity:	Wing A = 34 Cum Wing B-E= 65 Cum (2 day capacity)
	Location of the RWH tank(s):	at Ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.4.50Lakhs
	Budgetary allocation (O & M cost) :	Rs.0.25 Lakhs
	Details of UGT tanks if any :	domestic tank = 171 KLD Flushing Tank = 86 KLD Rain water Tank = Wing A = 34 Cum,Wing B-E= 65 Cum (2 day capacity) Fire Tank = UG=300 cum , OH= 25 cum

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35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	Total Actual Discharge: 0.132cum/sec ,Total Design Discharge: 0.24 cum/sec
	Size of SWD:	B = 650 mm, D =350 mm
Sewage and Waste water	**Sewage generation in KLD:**	253 KLD (Wing A to E)
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	270 KLD (common STP is proposed for Wing A and Wing B-E)
	Location & area of the STP:	At ground Level
	Budgetary allocation (Capital cost):	Rs.21.00Lakhs
	Budgetary allocation (O & M cost):	Rs.4.50 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris has been disposed off by covered trucks to the authorized sites with the permission of MCGM.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight 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 MCGM.
Waste generation in the operation Phase:	**Dry waste:**	Wing A. (Existing) – 166 Kg/Day Wing B-E .- 236Kg/ Day
	Wet waste:	Wing A.(Existing) – 249Kg/Day Wing B-E - 354Kg/ Day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13Kg/day
	Others if any:	nil
Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	nil
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	55 sq.m.
	Area for machinery:	14 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.10.00 Lakhs
	O & M cost:	Rs. 3.00 Lakhs

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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 :**	Total RG area provided = 7930.79 sq.m(26.74%) ,RG on ground = 4458.08 sq.m. (15%) ,RG on podium = 3472.19 sq.m.(11.74%)
	No of trees to be cut :	nil
	Number of trees to be planted :	on ground = 200 Nos. , on Podium = 175 Nos.
	List of proposed native trees :	as beloe
	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	Azadirachta indica	Neem Tree	20	medicinal value, control soil erosion

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2	Michelia champaca	Piwala Champa / Sonchapha	30	Medicinal value, fast growing
3	Alistonia scholaris	Devils tree / Satvin	20	shady
4	Pongamia pinnata	Karanj	20	medicinal value, drought tolerant species, control soil erosion,
5	Polyalthia longifolia	Mast Tree	30	noise reduction
6	Cassia fistula	Indian Laburnum	25	medicinal vlaue, drought tolerant species
7	Cycas revoluta	Fern Palm	25	ornamental
8	Saraca asoca	Ashoka tree	30	religious 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	Ixora coccinea	-	-
2	Bougainvillea glabra	-	-
3	Catharanthus roseus	-	-
4	Jasminum officinale	-	-
5	Duranta erecta	-	-

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):	1466 kw
	During Operation phase (Demand load):	865 kw
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 X 160 KVA 1 X 400 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1 Total Saving Due to CFL / T5 Lamp for Common Area
2 Total Saving Due to LED
3 Total Saving Due to VFD for Lift and Pump
4 Total Saving Due to Solar Lighting for Lift Lobby & Street/Landscape Lighting

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	as above	Total saving = 14% ,Due to Solar = 12.6%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.33.0 Lakhs
	O & M cost:	Rs. 3.00 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environemnt	dust suppression	2.3
2	Land Environment	site sanitation	2.50
3	Environmental Monitoring	For Air, Noise, Water Analysis	15.00
4	EHS	disinfection	2.5
5	EHS	health check up	3.5

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	Rain Water Harvesting	4.5	0.25
2	solid waste	MSW	10	3.00
3	water Environment	STP	21	4.50
4	energy saving	Energy Conservation	33	3.00
5	land environment	Landscaping	5	1.00
6	safety	DMP	320	20.00

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:	12 m wide access road which is connected to western express highway

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Parking details:	**Number and area of basement:**	nil
	Number and area of podia:	2 Nos. (7671.57 sq.m.)
	Total Parking area:	7915.49 sq.m.
	Area per car:	33.00 sq.m.
	Area per car:	33.00 sq.m.
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	239Nos.
	Public Transport:	nil
	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 – 2.00 Km
	Category as per schedule of EIA Notification sheet	Schedule 8a, Category B
	Court cases pending if any	Nil
	Other Relevant Informations	the project is recommended in 50th SEAC-II meeting (part A) as an item no. 284
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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50(B) SEAC-2 : Representative of PP, Chintan Seth & Architect Neha Shah were present during the meeting along with environmental consultant M/s EAEPL.

PP informed that they have constructed 16,700.16 m2 prior to EIA Notification of 2006. PP submitted following details regarding construction undertaken:

1. The project was commissioned in the year 2002 with the proposal of 5 nos. Of residential bldgs. & 1 godown Bldg. 2. The Commencement Certificate for the project was issued on 30-01-2002. 3. Out of 6 bldgs. (5 res. + 1 godown) , 5 bldgs have received occupation certificates 4. The work of one bldg i.e. Clarion is yet to be completed. 5. As per amended DCR, fungible FSI is available for the project is being loaded on Clarion Bldg. 6. Including the fungible component & non FSI area for Clarion Bldg. Having 4 wings (B-E) attracts the Environmental Clearance.

DECISION OF SEAC

SEIAA-AGENDA-0000000153

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 33,771 m2 & total construction area proposed in this meeting of the project is 24,008.17 m2. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

During discussion following points emerged:

1. 1. PP to provide mandatory 15% RG on ground and submit revised landscape plan. PP agreed to the same. 2. 2. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Parking Building at Thane

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Parking Building at Thane
2.Type of institution	Private
3.Name of Project Proponent	M/s. Sheth Developers Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Parking Building project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Parking Building at Survey No.49/1A, 49/2B, 49/3A, 49/4B, 49/5, 72/7D, 72/8, 73/1F and 526(pt) of Village Panchpakhadi, Taluka and District Thane, State - Maharashtra.
9.Taluka	Thane
10.Village	Panchpakhadi
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	CC received dt. 24.08.2016
	IOD/IOA/Concession/Plan Approval Number: CC No. TMC/TDD/1901/16
	Approved Built-up Area: 13076.65
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CC received dt. 24.08.2016
15.Total Plot Area (sq. m.)	13460.00 Sq.mt.
16.Deductions	NA
17.Net Plot area	13460.00 Sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 506.05 sq.mt.
	b) Non FSI area (sq. m.): 54,240.95 sq.mt.
	c) Total BUA area (sq. m.): 54,747.00 sq.mt.
19.Total ground coverage (m2)	4977.00 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37 %
21.Estimated cost of the project	810000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Building	Ground + 10 Floors	34.45 mt. (up to terrace level)

23.Number of tenants and shops	NA
24.Number of expected residents / users	Drivers: 1601 Nos. , Staff & visitors: 557 Nos.
25.Tenant density per hectare	NA

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60.0 mt wide Eastern Express Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 mt.
29.Existing structure (s) if any	Open Land
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
	Fresh water (CMD):	7
	Recycled water - Flushing (CMD):	13
	Recycled water - Gardening (CMD):	16 (5 KLD (STP Treated sewage) + 11 KLD (STP Treated sewage from our other project)
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	36
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	NA

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Wet season:	**Source of water**	TMC/RWH
	Fresh water (CMD):	7
	Recycled water - Flushing (CMD):	13
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	20
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	5
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:**	4.0 m and 5.0 m below ground level
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of capacity 120 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 18.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.66 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Underground

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	0.54 m3/sec
	Size of SWD:	1.48 m3/sec

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Sewage and Waste water	**Sewage generation in KLD:**	19 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	1 STP of capacity 20 KL
	Location & area of the STP:	Underground
	Budgetary allocation (Capital cost):	Rs. 36.80 Lacs
	Budgetary allocation (O & M cost):	Rs. 9.25 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be reused on site for backfilling and leveling
	Disposal of the construction waste debris:	The construction waste shall be partly reused within plot and partly shall be disposed to Authorized landfill site
Waste generation in the operation Phase:	**Dry waste:**	4 Kg/day
	Wet waste:	1 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Non-recyclable: To T.M.C. Recyclable: To recyclers
	Wet waste:	Handed over to TMC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Use as manure within the premises for plants.
	Others if any:	NA
Area requirement:	**Location(s):**	Provision of garbage bins for collection of biodegradable and non-biodegradable waste at all levels
	Area for the storage of waste & other material:	--
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

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			

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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 :**	5380.00 sq.mt.
	No of trees to be cut :	Trees to be cut: 2 nos.
	Number of trees to be planted :	319 Nos.
	List of proposed native trees :	Given in list of proposed plantation on ground
	Timeline for completion of plantation :	Before Occupation

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	Mimusops elengi	Bakul	16	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
2	Azadirachta indica	Neem	16	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation

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3	Cassia fistula	Bahava	16	Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant.
4	Lagestroemia flos-regianae	Tamhan	16	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, wood is commercially used. Helps to control soil erosion
5	Mangnolia champaca	Son Chapha	16	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
6	Neolamarckia cadamba	Kadamba	16	It is a quick growing , large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
7	Saraca indica	Sita Ashok	16	Shady evergreen tree with red-yellow flowers.
8	Saraca indica	Sita Ashok	16	Shady evergreen tree with red-yellow flowers.
9	Albizzia lebbek	Shirish	15	Shady tree, yellowish green fragrant flowers, fast growing tree, soil moisture remains high under lebbek as it provides dense canopy
10	Butea monosperma	Palas	16	Bright orange-red flowers, it is used for timber, resin, fodder, medicine, and dye, he wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops. Good charcoal can be made from it. The leaves are usually very leathery and not eaten by cattle, The flowers are used to prepare a traditional Holi colour. It is also used as a dyeing color for fabric. This plant kills Mosquitoes. They are attracted by the smell and color of the flower. Eggs that are laid
11	Alstonia scholaris	Satwin	16	Evergreen Shady Tree with fragrant flowers, Medicinal properties, white fragrant flowers
12	Bauhinia racemosa	Apta	16	Small tree with small white flowers, leaves are used to make bidis, Butterfly host plant
13	Nyctanthes arbor-tristis	Parijat	16	Small deciduous fast growing tree or shrub, beautiful fragrant flowers, Its leaves and bark has medicinal properties.
14	Alianthus excelsa	Maharukh	16	Large tree, aromatic good for roadside plantation

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15	Erythrina indica	Pangara	16	It is a drought resistant tree. Flowers are pollinated by birds.
16	Mangifera indica	Mango	32	It is large evergreen and shady tree. Its uses are clearing digestion and acidity due to pitta (heat). Medicinal properties are attributed to different parts of mango tree.
17	Murraya paniculata	Kunti	16	Small tropical, evergreen tree, Fragrant white flowers, planted as ornamental tree, it has potential of medicinal properties, family tree for bees,Butterfly host plant
18	Caryota urens	Fishtail Palm	16	Solitary-trunked tall evergreen tree. Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. Ornamental plant.
19	Putranjiva roxburghii	Putranjiva	16	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
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	AN	NA

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd (MSEDCL)
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	546 KW
	During Operation phase (Demand load):	493 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	1 DG set of 380 kVA capacity
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

? External lighting timer control
? Lift with VFD drives & Soft starters
? Solar based Lighting
? LED lights with timer control operation
? Water pumps with high motor efficiency with 3-star BEE rating

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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? External lighting timer control ? Lift with VFD drives & Soft starters ? LED lights with timer control operation ? Water pumps with high motor efficiency with 3-star BEE rating. Energy saving - 21%	Energy Saving -26%
2	? Solar based Lighting	Energy Saving due to solar system - 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. 250 Lacs
	O & M cost:	Rs. 2.50 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust Suppression	1.44
2	Air Environment	Air & Noise Quality Monitoring - On site sensors	10.00
3	Air Environment	Air & Noise Quality Monitoring - By outside MOEF Approved Laboratory	0.22
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	1.20
7	Health & Hygiene	Health Check Up of workers	4.5
8	Cost towards disaster management	--	143.73

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	29.59	1.20
2	Air, Noise Environment & Biological Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air, Noise Environment & Biological Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.05

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4	Water Environment - Waste water treatment	Cost for sewage Treatment Plant	18.80	8.22
5	Water Environment - Waste water treatment	Cost for Waste water Monitoring - On site sensors	18.00	1.00
6	Water Environment - Waste water treatment	Cost for Waste water Monitoring - By outside MOEF Approved Laboratory	No set up cost is involved	0.027
7	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tank	12.00	0.60
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	6.00	0.01
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.05
10	Energy Conservation	Solar system	250.00	2.50
11	Cost towards Disaster management	--	305.31	6.10

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 Entry and 1 Exit

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	52290.00 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	1601 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	6 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Within 3.00 Km
	Category as per schedule of EIA Notification sheet	Category 8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-06-2016

Brief information of the project by SEAC

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50(A) SEAC-2: Representative of PP, Maulik Shaikh & Architect Lalevidin Rodrigues were present during the meeting along with environmental consultant M/s Ultratech. PP informed that proposal is for Municipal Parking building. PP also stated that they have received Commencement Certificate dated 24.08.2016. The project proposal was discussed on the basis of presentation made and documents submitted by the propon

ent. 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 13,460 m2 & total construction area of the project is 54,747 m2 Committee noted that the project under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. PP to ensure that slope of ramp should be 1:12 for adequate vehicular movement. 2. PP to install adequate fire-fighting mechanism in the building since fire tender is moving around the building only. 3. It is informed that nallah is abutting the project. PP to ensure that nallah should not be covered. 4. PP to submit copy of nallah remarks. 5. PP to provide measures to control air emissions during the operation of project. 6. PP to achieve 16% energy savings through renewable component & submit revised energy calculations indicating the same. 7. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Residential Construction Project

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Kingston Serene
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sandeep Agarwal
4.Name of Consultant	Not appllicable
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	S. No. 94/1 , 94/2, Undri-Handewadi Road, Autade Handewadi, Uruli Dewachi, Tal-Haveli, Pune 411028
9.Taluka	Haveli
10.Village	Autade - Handewadi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	IOD Sanction plan obtained
	IOD/IOA/Concession/Plan Approval Number: IOD Sanction plan for total BUA - 19978.91 sq.m (FSI - 13597.69 sq.m + Non FSI - 6381.22 sq.m) vide plan no PRN/FSI/ADTP/86/2013 dated 30/12/2013
	Approved Built-up Area: 19978.91
13.Note on the initiated work (If applicable)	• Total constructed work (FSI - 13597.69 sq.m + Non FSI - 6381.22 sq.m) = 19978.91 Sq. m • Sanction plan for 19978.91 sq.m vide plan no PRN/FSI/ADTP/86/2013 dated 30/12/2013 Area – 19978.91 Sq. m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16,000 sq.m
16.Deductions	2411.67 sq.m
17.Net Plot area	13,588.33 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17,079.94
	b) Non FSI area (sq. m.): 15,017.06
	c) Total BUA area (sq. m.): 32,097.00
19.Total ground coverage (m2)	3242.42 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.84 %
21.Estimated cost of the project	730000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1 - 1	P + 11	35.05 m
2	Building A2 - 1	P + 11	35.05 m
3	Building B1 - 1	P + 11	35.05 m
4	Building B2 - 1	LP + UP + 11	34.20 m
5	Building C1 - 1	P + 10	32.15 m
6	Building C2 - 1	P + 10	32.15 m

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23.Number of tenants and shops	Tenements - 342 Nos., Shops - Not applicable
24.Number of expected residents / users	Residential - 1710
25.Tenant density per hectare	250 / ha as per DCR
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
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	5 Buildings - A1 (P + 11), A2 (P + 11), B1 (P+ 9), C1 (P + 10), C2 (P + 10)
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**	Handewadi Gram panchayat
	Fresh water (CMD):	154 KL
	Recycled water - Flushing (CMD):	77 KL/D
	Recycled water - Gardening (CMD):	10 KL/D
	Swimming pool make up (Cum):	1 KL
	Total Water Requirement (CMD) :	241 KL/D
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	20 KL / Building
	Excess treated water	129 KL/D

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Wet season:	**Source of water**	Handewadi Gram panchayat
	Fresh water (CMD):	154 KL
	Recycled water - Flushing (CMD):	77 KL/d
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	1 KL
	Total Water Requirement (CMD) :	231 KL/D
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	20 KL / Building
	Excess treated water	139 KL/D
Details of Swimming pool (If any)	Dimension of Swimming Pool: Main Pool Area: 25 ft. x 10 ft. x 4 ft.Total water Requirement : 27 KLDWater requirement for make up : 1 KLDDetails of Plant & Machinery used for treatment of Swimming pool water: Pressure Sand Filter , 3 Phase 5 hp 2 pump, 0.5 Hp Chorine Dosing Pump & 0.5 Alum Dosing Pump.Details of quality to be achieved for swimming pool water and parameters to be monitored: Sr. No. Parameters Standard1. pH 7.2 - 7.62. Chlorine level 1 to 1.5 mg/l3. Super Chlorination 3.0/5.0 (mg/1)	

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	154 KLD	Not applicable	154 KLD	15 KLD	Not applicable	15 KLD	139 KLD	Not applicable	139 KLD
Gardening	10 KLD	Not applicable	10 KLD	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 15.40 m. to 20.20 m. BGL, Rainy Season – 9.40 m. to 12.40 BGL, Winter Season – 12.40 m. to 16.30 m. BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	8 no.
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 12.0 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.0 Lakh / annum
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: 2,30,850 lit Flushing UG tank Capacity: 1,15,425 lit. Fire UG tank Capacity: 3,00,000 lit Commercial: Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	6598 CUM / Yr.
	Size of SWD:	150 mm to 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	216 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 No. , Capacity of STP 1 - 175 KLD , Capacity of STP 2 - 65 KLD
	Location & area of the STP:	For Location of STP Pl refer Layout
	Budgetary allocation (Capital cost):	Rs. 51.0 Lakh
	Budgetary allocation (O & M cost):	Rs. 13.0 Lakh / annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % waste material
	Disposal of the construction waste debris:	Excavated earth material will be used for filling material for plinth area & top soil for landscaping.
Waste generation in the operation Phase:	**Dry waste:**	299 Kg/d
	Wet waste:	487 Kg/d
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	26 Kg/Day
	Others if any:	Not applicable

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Mode of Disposal of waste:	**Dry waste:**	Through Authorized vendor
	Wet waste:	Mechanical composting Machine
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	As per Layout
	Area for the storage of waste & other material:	32.75
	Area for machinery:	42.25
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25.0 Lakh
	O & M cost:	Rs. 6.0 Lakh / annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	mg/l	7 - 7.5	6.5 - 7.5	Not applicable
2	Total suspended solids	mg/l	200 - 300	< 10	not tot exceed 50
3	Total Oil & grease	mg/l	10	< 5	Not applicable
4	BOD	mg/l	200 - 300	< 10	not to exceed 10
5	COD	mg/l	350 - 400	< 50	not to exceed 100
6	TDS	mg/l	-----	< 1000	Not applicable
7	Total Nitrogen	mg/l	40 - 50	< 10	Not applicable
8	Ammonical Nitrogen	mg/l	----	< 1	Not applicable
9	Phosphates	mg/l	5 - 7	< 2	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

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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 :**	1600.11 sq.m
	No of trees to be cut :	4
	Number of trees to be planted :	Not applicable
	List of proposed native trees :	As per Below List
	Timeline for completion of plantation :	1 yr.

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	Ailanthus excelsa	Maharukh	12	Ailanthus excelsa
2	Albizia lebek	Shirish	14	Medicinal for Skin, Fragrant flowers. To control soil erosion, Attracting birds
3	Anthocephalus Kadamba	Kadamba	16	Medicinal value, to control soil erosion, Birds monkey eat fruits
4	Azadiracta indica	Neem	12	Medicinal value, to control soil erosion
5	Bauhinia blackiana	Kanchanraj	16	Every part of plant is medicinal, Drought tolerant species
6	Bauhinia purpurea	Gulabi Kanchan	12	Every part of the plant is medicinal, Drought tolerant species
7	Butea monosparma	Palas	16	Medicinal value, attracting birds, to control soil erosion
8	Cassia fistula	Bahawa	16	Medicinal value, Drought tolerant species, very ornamental, Well flowering plant, Honey bee attracting species , Host plant for butterfly
9	Choclospermum religiosum	Sonsawar	12	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	14	Medicinal value, Edible fruits
11	Dalbergia sisoo	Shisav	15	Medicinal value , attracting birds
12	Ficus arnottiana	Payar	12	Drought tolerant species, attracting birds, to control soil erosion
13	Ficus glomerate	Umbar	12	Medicinal value, Edible fruits, attracting birds

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14	Ficus retusa	Nandruk	12	Medicinal value, attracting birds, Drought tolerant species Hardy plant
15	Mangifera indica	Mango	12	Edible fruit, attarcting birds
16	Michelia champaca	Sonchaffa	12	Medicinal value,fragrant flowers, butterfly host plant, attracting birds, fast growing
17	Pongamia pinnata	Karanj	12	Medicinal value, Drought tolerant species, to control soil erosion. hardy plant
18	Syzygium cumini	Jamun	15	Medicinal value, Edible fruit
19	Azadiracta indica	Neem	3	Medicinal value, to control soil erosion
20	Bauhinia racemosa	Apta	3	Every part of plant is medicinal, Drought tolerant species
21	Caryota urens	Fishtail palm	3	Grown in any type of soil very hardy
22	Citrus species	Lemon	3	Medicinal value edible fruit
23	Dalbergia sisoo	Shisav	3	Medicinal value, attracting birds
24	Erythrina indica	Pangara	6	Fragrant flowers, Drought tolerant species, attrtcting birds,
25	Gmelina arborea	Shivan	3	Medicinal value, Drought tolerant species, attracting birds
26	Mimosups elengii	Bakul	3	Fragrant flowers, Medicinal value, to control soil erosion,
27	Murraya koengii	Kadipatta	6	Medicinal value, edible fruit
28	Muntingia calabura	Singapore cherry	3	Fragrant flower, attracting birds,
29	Nyctnthus arbirtristis	Parijatak	3	Fragrant flowers, Medicinal value
30	Putranjiva roxburghii	Putranjiva	6	Medicinal value, Drought tolerant species
31	Roystonia regia	Bottle palm	3	Ornamental plant, Medicinal plant, Birds & bats eat fruits
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	25KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1980 KVA
	During Operation phase (Demand load):	1190 KVA
	Transformer:	630 KVA x 3 No.
	DG set as Power back-up during operation phase:	160 KVA x 1 No.
	Fuel used:	30 Lit. / Hr. (75 % loading)
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

1. Using CFL in parking area, lift-lobby and stair-case area of building.
2. Using CFL in club house and landscape area.
3. Using Solar system in External Lighting & remaining lights on LED lamps.
4. Using solar water heating in 1 toilet.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total solar PV system required:	3 KW
2	Through solar water heating:	1507 KW

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
waste water from sewage	Not applicable	STP
wet waste	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15.0 Lakh
	O & M cost:	Rs. 2 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	Erosion control	Dust suppression measures & barricading	2.0
2	Site Safety	net s, barricades	3.0

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3	Site Sanitation	public toilet	1.5
4	Disinfection & health check up	for labours	1.5
5	Environmental Monitoring	for environmental services	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant including pumping cost	to treat waste water	51.0	13.0
2	Rain water harvesting	to save water	12.0	1.0
3	Solid waste Management	to treat wet waste	25.0	6.0
4	Green Belt development	to maintain greenary	25.0	4.0
5	Swimming pool	---	13.5	2.0
6	Solar water Heater	to save electrical energy	51.0	5.0
7	Environmental Monitoring	for environmental services	----	1.5
8	Safety training & awareness	for workers	5.0	----
9	Storm water networking	to collect rain water	16.0	2.0
10	Water supply through tanker	in absence of water supply	-----	5.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1

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Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	1 podium , area of podium - 1045 sq.m
	Total Parking area:	total provided parking area - 6995.60 sq.m
	Area per car:	for Cover 30 sq.m , for Open - 25 sq.m
	Area per car:	for Cover 30 sq.m , for Open - 25 sq.m
	Number of 2-Wheelers as approved by competent authority:	281 No.
	Number of 4-Wheelers as approved by competent authority:	195 no.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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107 SEIAA & 39th SEAC-3 :

This proposal was recommended by SEAC-III to SEIAA for grant of EC in their 39th meeting.

The SEIAA had earlier considered the project in its 99th& 105th meeting held respectively on 5th to 7th April and 19th , 22nd and 23rd April, 2016. The SEIAA was earlier considered the project in its 99th& 105th meeting held on 5th to 7th April & 19th, 22nd& 23rd August, 2016.

The Authority noted that the proposal was considered by SEAC-III in their 39h meeting under screening category 8a (B2) as per EIA Notification, 2006 and recommended to SEIAA subject to compliance of the points raised by SEAC as below:-

i) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.

The proposal was earlier considered in the 99th meeting of SEIAA held on 5th to 7th April, 2016 when the Authority decided to defer consideration of the project until the sustained avalibilty of drinking water, sewer connectivity and disposal of treated water has been established for this project, in consonance with the OM dated 19.06.2013.

In 105th meeting of SEIAA, PP submitted sanction plan vide No. 7117 dated 25.10.20013 approved by ADTP for total built up area of 32097.00 Sq.m. During its deliberation, the Authority noted from the minutes of SEAC-III that the PP has already initiated construction of 19, 978.91 sq.m and the case was refered to the Environment Department on the issue of verification of the violation of provisions contained in the Environment (Protection) Act, 1986. Accordingly, a Criminal case being No.No.0401293/2015 dated 30.03.2015 has been filed in the Court of Chief Magistrate at Pune.

The Authority noted the work initiated by the PP at the site totaling 19, 978.91 Sq.m without obtaining prior Environmental Clearance. However, considering the pronouncements already made by the Hon'ble Bombay High Court in similarly situated cases, the Authority proceeded to examine the case for grant of EC.

After detailed deliberation, while agreeing with the stipulations as recommended by SEAC-III in its 39th meeting and compliance submitted by PP, it was noted that PP has not obtained the sustained water supply permission from Competent Authority.The case is therefore,deferred till PP submits committemnt for the sustained water supply of drinking water and sewer connectivity and disposal of treated water.

After detailed deliberation, while agreeing with the stipulations as recommended by SEAC-III in its 39th meeting and compliance submitted by PP, it was noted that PP has not obtained the sustained water supply permission from Competent Authority.The case is therefore,deferred till PP submits committemnt for the sustained water suppy of drinking water and sewer connectivity and disposal of treated water.

DECISION OF SEAC

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In 107th meeting of SEIAA, it was observed that PP has not yet obtained any credible documents to show sustained water availabilityit was noted that the proposed water supply is based on the water available from Handewadi Gram Panchayat whose only source of water supply is from locally situated well which could only cater to the requirement of local population residents of the Gram Panchayat Handewadi. As there was no credible evidence for sustainable availability of water supply to the project / residents of the proposed project, EC can not be granted. The PP on his request was granted another opportunity to explore other sustainable options for availability of water. Hence, SEIAA decided to defer consideration of the proposal.

Specific Conditions by SEAC:

SEIAA DECISION

The PP has not adduced any data to show a better availability of water since the last meeting of the SEIAA. Hence deferred.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for New Commercial Project

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Solitaire Business Hub
2.Type of institution	Private
3.Name of Project Proponent	M/s Atul Builders
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	New Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No 121/1+2/1, Haveli, Pune
9.Taluka	Haveli
10.Village	---
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	CC No. – CC/2671/16 at Dt. 24.11.16 for Area of 18,205 Sq.m.
	IOD/IOA/Concession/Plan Approval Number: CC/2671/16
	Approved Built-up Area: 25680.58
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	15188.40
16.Deductions	5759.74
17.Net Plot area	9044.52
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19,578.06
	b) Non FSI area (sq. m.): 24,793.20
	c) Total BUA area (sq. m.): 44,371.26
19.Total ground coverage (m2)	1759.63
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.6 %
21.Estimated cost of the project	515700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	B + L.G. + G + 7 P + 11 Floors	69.90
2			

23.Number of tenants and shops	7: Shops and 247 : offices
24.Number of expected residents / users	3829 including fixed and floating
25.Tenant density per hectare	NA

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide external road proposed, nearest fire station Hinjewadi fire station at ~11 km
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 9.00 m
29.Existing structure (s) if any	None
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**	PMC
	Fresh water (CMD):	57
	Recycled water - Flushing (CMD):	114
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	177
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	26

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Wet season:	**Source of water**	PMC
	Fresh water (CMD):	57
	Recycled water - Flushing (CMD):	114
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	171
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	33
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**
Fresh water requirement	Not applicable	57	57	00	17	17	Not applicable	40	40
Domestic	NA	114	114	NA	00	00	NA	114	114
Gardening	NA	06	06	NA	06	06	NA	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Between 3 m. & 10 m below ground surface.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 Recharge pits
	Size of recharge pits :	2 x 2 x 2
	Budgetary allocation (Capital cost) :	1 Lakh
	Budgetary allocation (O & M cost) :	0.10 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 86m3 Flushing UG tank Capacity: 172 m3 Fire UG tank Capacity: 75 m3

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35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	0.31m3/sec
	Size of SWD:	600mm Dia PMC pipe
Sewage and Waste water	**Sewage generation in KLD:**	155
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. of 180 m3 capacity
	Location & area of the STP:	Near Open Space
	Budgetary allocation (Capital cost):	18 Lakh
	Budgetary allocation (O & M cost):	9.16 Lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	27 kg/day
	Disposal of the construction waste debris:	Used in back-filling and levelling. Balance will be handed over to authorized agency/site
Waste generation in the operation Phase:	**Dry waste:**	494 kg/day
	Wet waste:	329 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	27 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to Swach
	Wet waste:	Smart composting machine
	Hazardous waste:	Will be handed over to authorized agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	Considered in above mentioned area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	INR 14.75 lakhs
	O & M cost:	INR 3.01 lakhs/ annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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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	2 DG sets of 1250 kVA & 650 kVA	HSD	1	8.5	250	464

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	990 Ltrs Day tank	990 Ltrs Day tank

41.Source of Fuel	Authorized Fuel Distribution centre
42.Mode of Transportation of fuel to site	Road

43.Green Belt Development	**Total RG area :**	904.45 m2
	No of trees to be cut :	00
	Number of trees to be planted :	147
	List of proposed native trees :	All Native
	Timeline for completion of plantation :	3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahawa	15	A good shade tree, honey bees forage on the flowers.

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2	Anthocephallus cadamba	Kadamb	12	Kadamba are suitable for reforestation programs. It sheds large amounts of leaf and non-leaf litter which on decomposition improves some physical and chemical properties of soil under its canopy. This reflects an increase in the level of soil organic carbon, cation-exchange capacity, available plant nutrients and exchangeable bases.
3	Saraca indica	Sita ashok	15	A good shade tree, honey bees forage on the flowers.
4	Bauhinia racemosa	Apta	22	A good shade tree, honey bees forage on the flowers.
5	Lagerstromia speciosa	Tamhan	13	Soil erosion control tree, Avenue tree. Ornamental tree.
6	Albizia Lebbeck	Shirish	14	Its uses include environmental management, Shade tree, medicine and wood.
7	Bauhinia blackiana	Kanchan Raj	16	Soil erosion control tree, Avenue tree. Ornamental tree.
8	Erythrina Variegata	Pangara	10	ornamental plant, for its form as an ornamental tree, as a dense screening hedge, and for its fragrant flowers. It is planted in containers in cooler temperate climates.
9	Nyctanthes arbortristic	Parijatak	22	ornamental plant, for its form as an ornamental tree, as a dense screening hedge, and for its fragrant flowers. It is planted in containers in cooler temperate climates.
10	Mangifera indica	Mango	10	Shady tree. Noise reduction tree. Bird attractive tree.
11	Psidiumguajava	Guava	08	Fruit bearing tree
12		Total	147	
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 K watt
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	2488 KW
	During Operation phase (Demand load):	1929 KW
	Transformer:	3 Nos 630 KVA
	DG set as Power back-up during operation phase:	1 x 1250 kVA & 1 x 650 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar PV

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV	5400 KWH /Annum
2	Auto Timer Logic Controller	19717 KWH / Annum
3	Electronic VVF drive for Lifts	29407 KWH / Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	STP with MBBR technology
OWC		Smart composting machine
DG Set		Stack as per CPCB guidelines

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	INR 26.49 Lakhs
	O & M cost:	INR 1.71 Lakhs/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	4.32
2	Air Environment	Air & Noise Monitoring	0.48
3	Water Environment	Tanker Water For Construction	6.48

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4	Water Environment	Water Monitoring	0.60
5	Land Environment	Site Sanitation- Mobile toilets	20.6
6	Biological Environment	Gardening Set Up	2.8
7	Socio- Economic Environment	Disinfection- Pest Control	0.18
8	Socio- Economic Environment	First Aid Facilities	0.18
9	Socio- Economic Environment	Health Check Up	0.8
10	Socio- Economic Environment	Creches For Children	6.00
11	Socio- Economic Environment	Personal Protective Equipment	4.9
12	Energy Conservation	CFL Lamps For Labour Hutments	0.2
13		Total Cost	47.54

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 Cost	STP Cost	18.00	9.16
2	Environmental Monitoring	Environmental Monitoring	MoEF & CC approved laboratory	9.12
3	Gardening	Gardening	8.87	1.07
4	Solid waste Management	Solid waste Management	12.50	2.86
5	Energy Saving	Energy Saving	6.15	0.61
6	Solar Lighting	Solar Lighting	9.00	0.45
7	Rain Water Harvesting	Rain Water Harvesting	1.00	0.10
8	Total	Total	55.52	23.37

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:	01

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Parking details:	**Number and area of basement:**	Area of the basement : 2617.60 m2 No .of basements:01
	Number and area of podia:	Area of the Podium: 2825.68 m2 No .of Podium:01
	Total Parking area:	18489.75 m2
	Area per car:	For basement & Lower Parking: 36 m2 For covered Parking: 41 m2 For Uncovered Parking: 26 m2
	Area per car:	For basement & Lower Parking: 36 m2 For covered Parking: 41 m2 For Uncovered Parking: 26 m2
	Number of 2-Wheelers as approved by competent authority:	1374
	Number of 4-Wheelers as approved by competent authority:	465
	Public Transport:	Baner bus stop at 1 km aprox.
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	No
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-07-2016

SEIAA-AGENDA-000000008

Brief information of the project by SEAC

56th SEAC-3

PP submitted their application for prior Environmental clearance for total plot area of 15,188.40 Sq. Mtrs, BUA of 44,371.26 Sq. Mtrs and FSI area of 19,578.06 Sq. Mtrs. PP proposes to construct 1 nos. of commercial building having maximum height of 69.90 Mtrs.

The case was earlier considered in 52nd meeting of the SEAC - III held from 29th August to 1st September 2016. This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged:

1. 1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra. 2. 2. PP to submit revised master layout by deleting subdivision of plot "B" along with order of subdivision of plot. 3.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Expansion of existing project by M/s Reichhold India Pvt. Ltd

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Reichhold India Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ravi Ranjan
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Industrial Project (Expansion)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Plot No. F-38, MIDC – Ranjangaon
9.Taluka	Shirur
10.Village	Ranjangaon
11.Area of the project	MIDC – Ranjangaon
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: E.E.(C)/D28803/of 2016
	Approved Built-up Area: 9099.90
13.Note on the initiated work (If applicable)	7075.83 m2 as per previous EC dated 11th November 2010(SEAC-2010/CR.352/TC-2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	39056 m2
16.Deductions	3905.6 m2
17.Net Plot area	35150.40 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing: 7075.83 m2 & Proposed: 3492.50 m2
	b) Non FSI area (sq. m.): -
	c) Total BUA area (sq. m.): Existing: 7075.83 m2 & Proposed: 3492.50 m2
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	1247100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 M Wide Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	-
29.Existing structure (s) if any	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	Polyester Resins/Vinyl ester resin	977.5	2022.5	3000
2	Gelcoats	47.92	152.08	200
3	BP & Additives	117.5	182.5	300

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
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	3.0	2.0	5.0	0.5	0.5	1.0	2.5	1.5	4.0
Industrial Process	0.05	0.05	0.10	0.0	0.0	0.0	0.05	0.05	0.10
Cooling tower & thermopack	7.6	6.6	14.2	5.6	5.6	11.2	0.0	0.0	0.0
Gardening	33.5	15.0	48.5	33.5	15.0	48.5	0.0	0.0	0.0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	27 m BGL
	Size and no of RWH tank(s) and Quantity:	Storm Water Retention Tank: 1 No- 15m X 12m X 2m
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	45 Lakh
	Budgetary allocation (O & M cost) :	1.5 Lakh/Year
	Details of UGT tanks if any :	NA

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35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	360 m3
	Size of SWD:	600 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	4.0
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of 4 CMD
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	8.50 Lakh
	Budgetary allocation (O & M cost):	3.20 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	Refer Point No 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	Refer Point No 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

SEIAA-AGENDA-0000000008

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Physical	-	-	Liquid	-
2	Colour	-	-	Colourless	-
3	pH	-	-	1.45	>4 to <12
4	Density @ 270C	gm/cc	-	1.005	-
5	LOD(Loss on Drying) @1050C	%	-	99.8	<40 %
6	LOI(Loss on Ignition) @5500C	%	-	100.8	<20 %
7	Ash Contents @8500C	%	-	-	-
8	Calorific Value as on dry Basis(1050C)	Cal/gm	-	5220.5	<2500 cal/gm
9	Oil & Grease	mg/Ltr	-	3.0	<4.0 %
10	BOD (Biological oxygen Demand)	mg/Ltr	-	192864	-
11	BOD (Biological oxygen Demand)	mg/Ltr	-	66000	-
12	TDS (Total Dissolved Solid)	mg/Ltr	-	7666	-
13	Sulphate as SO4	mg/Ltr	-	2.83	-
14	Chromium III Class B Schedule 2	mg/Kg	-	BDL	<5000 mg/kg
15	Lead Class B Schedule 2	mg/Kg	-	BDL	<5000 mg/kg
16	Nickel Class B Schedule 2	mg/Kg	-	0.94	<5000 mg/kg
17	Zinc Class C Schedule 2	mg/Kg	-	6.93	<20,000 mg/kg
18	Copper Class B Schedule 2	mg/Kg	-	1.43	<5000 mg/kg
19	Cadmium Class A Schedule 2	mg/Kg	-	0.26	<50 mg/kg

Amount of effluent generation (CMD):	2107.5 MT/Year
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	2107.5 MT/Year(Send to CHWTSDF for Incineration and onsite by Thermal Oxidizer)
Membership of CETP (if require):	Membership No- MEPL/CRP008
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Trade Effluent (Process Waste Water)	23.1	Kg/Year	702500	1405000	2107500	CHWTSDF and On site by TO
2	Containers/Drums	33.1	Nos./Year	8088	20220	28308	Sale to Authorized Reprocessor

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3	Discarded Bags	33.1	Kg/Year	61830	154575	216405	Sale to Authorized Reprocessor
4	Spent Oil / Waste residue containing oil	5.1/5.2	Kg/Year	700	1400	2100	Sale to Authorized Reprocessor
5	Absorbent with resin/ inert polyester resin	23.1	Kg/Year	50760	101520	152280	CHWTSDF
6	Wastes/Residues	23.2	kg/year	360	720	1080	CHWTSDF
7	Galled Resin	23.2	MT/year	36	72	108	CHWTSDF
8	E-Waste	-	kg/year	-	50	50	Authorized vendor
9	Process Filter bags,	33.1	kg/year	3650	7300	10950	CHWTSDF
10	Hazardous cotton waste	33.2	kg/year	1200	2400	3600	CHWTSDF
11	Filter cartridge of Air compressor, DG Engines, Fire Engine and Fork lifts	-	kg/year	100	200	300	CHWTSDF
12	Cartridge/Bottles of Restoline , Electrical spry , anti-corrosive spray	-	kg/year	5	10	15	CHWTSDF

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	Hot oil Heater 01 number	Refer Point No 47	S-1	30 m	0.35	368 0k
2	DG set-1500 KVA	Refer Point No 47	S-2	7.7m	0.33	598 0K
3	DG set-100 KVA	Refer Point No 47	S-6	5m	0.10	358 0K
4	Fire Pump 1	Refer Point No 47	S-3	3 m	0.10	3410K
5	Fire Pump 2	Refer Point No 47	S-4	3 m	0.10	339 0K
6	Fire Pump 3	Refer Point No 47	S-5	3 m	0.10	347 0K
7	Scrubber No 1	Refer Point No 47	S-7	2 m	0.30	316 0K
8	TO(Thermal Oxidizer)	Refer Point No 47	S-9	30 m	to be provided	to be provided
9	Scrubber No 2	Refer Point No 47	S-8	2 m	to be provided	to be provided
10	Scrubber No 3	Refer Point No 47	S-10	2 m	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	22000	36847	58847
2	LDO	22000	36841	58841
3	Nitrogen	9500	14900	24400
4	Natural Gas	20000 SCM	33488 SCM	53488 SCM
41.Source of Fuel		HSD- Bharat Petroleum Corporation Limited, Nitrogen-K Matheson, Natural Gas- MNGL		
42.Mode of Transportation of fuel to site		By Roadway		

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43.Green Belt Development	**Total RG area :**	7273 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	-
	List of proposed native trees :	-
	Timeline for completion of plantation :	Trees already planted: 938 Nos.

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	-	-	-	-
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing power requirement:180000KWH , Proposed power requirement: 180500KWH
	During Operation phase (Demand load):	-
	Transformer:	-
	DG set as Power back-up during operation phase:	1500 KVA - 01 nos. & 100KVA-01 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	-	-

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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	scrubbers, & ventilation system	scrubbers, & ventilation system
Water	CHWTSDF	CHWTSDF & by Thermal Oxidizer
Noise	Adequate measures for control of noise levels will be implemented to maintain noise levels	Adequate measures for control of noise levels will be implemented to Maintain noise levels.
Solid Waste	CHWTSDF & Sale to Authorized Reprocessor	CHWTSDF & Sale to Authorized Reprocessor

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	-	25	6
2	Water Pollution Control	-	480	57
3	Storm Water & Piping	-	45	1.5
4	Environnemental Monitoring & management	-	0	1.2
5	Occupational Health	-	0	0.5
6	Green Belt	-	15	4.5
7	MEPL	-	0	300
8	STP	-	8.50	3.20

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
COLORS, PIGMENTS	-	-	12500	200Nos. Drums	12500	-	By Roadway
GLYCOLS	-	-	859097	SS 60 KL capacity – 2 Nos. Storage Tank & 200Nos. Drums	859097	-	By Roadway

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MONOMERS-SOLVENTS	-	-	1343567	SS Storage Tank- 132 KL Capacity	1343567	-	By Roadway
EPOXY	-	-	418725	SS 50 KL Storage Tanks- 1 No's	418725	-	By Roadway
MMA	-	-	4146441464	SS 50 KL Storage Tanks- 1 No's	41464	-	By Roadway

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	-
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 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	5(f)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-02-2016

Brief information of the project by SEAC

129th SEAC-1 The PP gave a detailed presentation for expansion of manufacture of Resins from 1142.92 MT/M to 2357.08 MT/M. The Committee considered the project under 5(f) - B1 category of EIA Notification, 2006.

The Committee had approved the ToR in the 124th meeting. A detailed presentation was made by the PP on the EIA Report.

DECISION OF SEAC

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After detailed discussion the Committee made the following observations:

1. After going through the baseline studies the Committee concluded that air, water, ground water, surface water and noise parameters will remain within prescribed limits even after commissioning of the project. 2. The PP should provide 12% of plot area for parking and 33% of un-built-up area for green belt where non-fruit bearing trees will be planted. Extra gate shall be provided on the northern side of the plot to facilitate emergency evacuation. 3. The Committee went through the UTR process and desired that the emission vented out from scrubber should be monitored for Glycol and other organic chemicals. 4. The Committee went through the Thermal Oxidation Process to be deployed in lieu of transporting processed water to MEPL. It is the contention of PP that safe disposal of waste water through thermal oxidizer would be more effective than the MEPL process. PP intends to use HSD at the rate of 10 liters for 600 liters of processed water. The oxidizer will be tripped if combustion temperature goes below 7000c. Notwithstanding these safety precautions the Committee desired that the following measures need to be adopted: a) Scrubber shall be provided for halides. b) 30m high stack shall be provided. c) Emission from thermal oxidizer should be monitored online for VOCs, NOx, SO2, CO and metal emissions from the flue gases if any, shall be well within the prescribed limits. The MPCB will ensure that Consent to Operate for the expansion would be granted only after the above conditions are fulfilled by the PP. 5. STP of 4 CMD shall involve ozonation and 3CMD recycled water shall be used for gardening thereby reducing intake of water from MIDC by 3 CMD. 6. A separate chapter on Risk Assessment and Risk Mitigation shall be incorporated in the EIA Report. A hazard management diagram showing various hazard management facilities like fire water tank, fire hydrants, assembly points, evacuation gates etc. is depicted as ***Annexure 8.1.*** 7. The PP shall adopt water harvesting methods to conserve water and shall use solar energy for illumination of the plant premises.

The Committee went through the all aspects of Environmental Impact and decided to **recommend** the project for **EC** subject to the observations (1-7) above.

Specific Conditions by SEAC:

SEIAA DECISION

Approved subject to conditions stipulated by SEAC

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Environment Clearance for project by M/s. D.R.Bhondve Properties

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Residential & Commercial
2.Type of institution	Private
3.Name of Project Proponent	Mr. Dhananjay Bhondve
4.Name of Consultant	M/s. Saitech Research & Development Organization
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot A, Survey no. 60/2/1, Ravet, Pune
9.Taluka	Haveli
10.Village	Ravet
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Plan No- BP/Layout//EC/Ravet/05/2016
	Approved Built-up Area: 57235.45
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13319.82 m2
16.Deductions	2268.99m2
17.Net Plot area	11050.83 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27187.36 m2
	b) Non FSI area (sq. m.): 29851.09m2
	c) Total BUA area (sq. m.): 57038.45 m2
19.Total ground coverage (m2)	2012.93 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.11 %of Total Plot Area (13319.82m2) 18.21 %of Net Plot Area (11050.83m2)
21.Estimated cost of the project	1790000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	LP +UP+ P + 21	61.95 m
2	Building B	LP +UP+ P + 21	61.95 m
3	Building C	LP +UP+ P + 21	61.95 m
4	Building D	LP +UP+ P + 21	61.95 m
5	Building E	LP +UP+ P + 21	61.95 m
6	Commercial	G + 5	16 m

23.Number of tenants and shops	Total Tenements –405Nos., Shop -5 Nos & Offices – 15 Nos

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24.Number of expected residents / users	Residential Users:2025Nos. Commercial Users: 292Nos. Total User: 2317 Nos.
25.Tenant density per hectare	305
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 M wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	301 m3/day(One Time)
	Recycled water - Flushing (CMD):	98 m3/day
	Recycled water - Gardening (CMD):	10 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	193 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	150 m3
	Excess treated water	158 m3/day

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Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	291 m3/day
	Recycled water - Flushing (CMD):	98 m3/day
	Recycled water - Gardening (CMD):	0.00m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	193 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	150 m3
	Excess treated water	168 m3/day
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:**	5.8m BGL
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	03 No’s
	Size of recharge pits :	2.0X2.0X3.0m
	Budgetary allocation (Capital cost) :	Rs. 5.0 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.10 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 274m3 Flushing UG tank Capacity : 91m3 Fire UG tank Capacity : 250 m3

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35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	274447.8 m3/day
	Size of SWD:	450mm
Sewage and Waste water	**Sewage generation in KLD:**	266m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 X 300 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 35.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 11.87 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use For Landscaping
Waste generation in the operation Phase:	**Dry waste:**	449 kg/day
	Wet waste:	636.5 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg/day (100% Dry)
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	Authorized Vendor
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Authorized Reprocessor
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	88 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20.25 Lakh
	O & M cost:	Rs. 3.62Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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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	DG SET	HSD-53 lit/hr	1	3.0 m	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	53lit/hr	53lit/hr
41.Source of Fuel		Bharat Petroleum corporation limited/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		bt roadway		

43.Green Belt Development	**Total RG area :**	1228 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	209Nos
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	8	Medicinal value, Drought tolerant species
2	Albizia lebek	Shirish	8	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).

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3	Anthocephalus kadamba	Kadamb	8	Medicinal value, To control soil erosion, Birds, squirrels, monkey eats fruits.
4	Azardirachta indica	Neem	12	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	12	Every part of the plant is medicinal, Drought tolerant species
6	Bauhinia purpurea	Gulabi kanchan	8	Every part of the plant is medicinal, Drought tolerant species
7	Butea monosperma	Palas	12	Medicinal value, Bird attracting species , To control soil erosion.
8	Cassia fistula	Bahawa	11	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclospermum religiosum	Sonsawar	8	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	8	Medicinal value, Edible fruits,
11	Dalbergia sisoo	Shisav	10	Medicinal value, Bird attracting species ,
12	Ficus arnottiana	Payar	8	Drought tolerant species, Bird attracting species. To control soil erosion.
13	Ficus glomerata	Umber	8	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	8	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Mangifera indica	Mango	8	Edible fruit, Bird attracting species.
16	Michelia champaca	Sonchaffa	8	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
17	Pongamia pinnata	Karanj	8	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant.
18	Syzygium cumini	Jamun	8	Medicinal value, Edible fruit.
19	Bauhinia racemosa	Apta	4	Every part of the plant is medicinal, Drought tolerant species.
20	Caryota urens	Fishtail palm	4	Grown in any type of soil. Very Hardy
21	Citrus species	Lemon	4	Medicinal value, Edible fruit.
22	Dalbergia sisoo	Shisav	4	Medicinal value, Bird attracting species
23	Erythrina indica	Pangara	4	Fragrant flowers, Drought tolerant species, Birds attracting
24	Gmelina arborea	Shivan	4	Medicinal value, Drought tolerant species, Bird attracting species.
25	Mimosups elengii	Bakul	4	Fragrant flowers, Medicinal value, To control soil erosion.

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26	Murraya koengii	Kadipatta	4	Medicinal value, Edible leaves.
27	Aegle marmelos	Bel	4	Fragrant flowers, Bird attracting species
28	Nyctanthus arbortristis	Parijatak	4	Fragrant flowers, Medicinal value,
29	Putranjiva roxburghii	Bottle palm	4	Medicinal value, Drought tolerant species
30	Roystonia regia	Bottle palm	4	Ornamental plant, Medicinal value, Birds & bats eat fruits.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KVA
	DG set as Power back-up during construction phase	62.5KVA
	During Operation phase (Connected load):	2763KW
	During Operation phase (Demand load):	1688 KVA
	Transformer:	630 KVA X 3 NOS
	DG set as Power back-up during operation phase:	320 KVA
	Fuel used:	53lit/hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

The following Energy Conservation Methods are proposed in the project:
• Solar lights will be provided for common amenities like street lighting.
• Led based lighting with motion detection system in passages, common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
• Auto timer switches will be provided for street lights, garden lights, parking & staircase lights & other common area lights, for saving electrical energy.
• Water level controllers with timers will be

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saved using CFL	12.4 kw
2	Total Energy saved from LED lamps	1.7 kw

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3	Total Energy saved from external lighting	2.5 kw
4	Total Energy saved in Amenity area lighting is	0.5 kw
5	Total KW saved by solar water heater	608 kw
6	Total Energy saved in residential area	623 kw

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 61.0 Lakh
	O & M cost:	Rs.3.05 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	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.0 Lakh/Year

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	Sewage treatement plant	35.00	11.87
2	RWH	Rain Water Harvesting	5.00	1.00
3	MSW	Solid Waste Management	20.25	3.62
4	Solar System	Solar System	61.00	3.05
5	Energy	Energy	14.34	0.70
6	Landscaping	Landscaping	25.02	4.02
7	Safety Equipments	Safety Equipments	10.00	2.00
8	Post EC Monitoring	Post EC Monitoring	-	2.50

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9	Dry Waste management	Dry Waste management	-	1.00

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:	-
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	-
	Total Parking area:	15945m2
	Area per car:	36.99m2
	Area per car:	36.99m2
	Number of 2-Wheelers as approved by competent authority:	842 nos
	Number of 4-Wheelers as approved by competent authority:	421 nos
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA

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	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-03-2016

Brief information of the project by SEAC

54th SEAC-3PP submitted their application for prior Environment Clearance for total plot area of 13,319.82 Mtrs, BUA of 57,038.45 Sq. Mtrs and FSI area of 27,187.36 Sq. Mtrs. PP proposes to construct 5 nos. of residential buildings, 1 commercial building having maximum height of 61.95 Mtrs. and a club house. The case was earlier considered in 46thmeeting of the SEAC - III held from 25th to 29th April 2016 and 51st meeting of the SEAC - III held from 26th and 28th to 30th July 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to PP complying with the above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

IOD submitted. Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Environmental Clearance

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Green Hive
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vikram Ram Agarwal
4.Name of Consultant	Not applicable
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	S. No. 165/1A, 165/1B, 165/2/1B/1, 165/1C, 165/2/1C, 165/1D, 165/2/1D, 165/1E, 165/2/1E & 165/1F Phursungi, Tal-Haveli, Pune 412311
9.Taluka	Haveli
10.Village	Phursungi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan obtained for 1,21,795.95 sq.m (62,224.48 sqm FSI + 59,571.67 Sqm Non FSI) area vide plan no.BHA/CR No. 3162 dated 20.1.2016 However, the total proposed BUA is more than this and hence additional sanction will be obtained after handover of amenity.
	IOD/IOA/Concession/Plan Approval Number: Sanction plan no.BHA/CR No. 3162 dated 20.1.2016
	Approved Built-up Area: 121795.95
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 14,755.37 sq. m as per sanctioned plan dated 12.08.2011
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	59,100.00 sq. m
16.Deductions	973.79 sq. m
17.Net Plot area	58,126.21 sq. m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 71,932.20
	b) Non FSI area (sq. m.): 64,851.75
	c) Total BUA area (sq. m.): 1,36,783.95
19.Total ground coverage (m2)	10,403.74 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.89%
21.Estimated cost of the project	1440000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	P+10	31.79
2	A2	P+10	31.79
3	A3	P+10	31.79
4	A4	P+10	31.79
5	A5	P+10	31.79
6	A6	P+10	31.79

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7	A7	P+10	31.79
8	A8	P+10	31.79
9	A9	P+10	31.79
10	A10	P+10	31.79
11	A11	P+10	31.79
12	A12	P+10	31.79
13	A13	P+10	31.79
14	B1	P+9	29.05
15	B2	P+9	29.05
16	B3	P+9	29.05
17	B4	P+9	29.05
18	B5	P+9	29.05
19	B5	P+9	29.05

23.Number of tenants and shops	1450 tenements
24.Number of expected residents / users	7250
25.Tenant density per hectare	250 tenements/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)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Total 4 Buildings are existing on site: - B2 (P+9), B3 (P+9), B4 (P+9), B5 (P+9)
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	Phursungi Grampanchayat
	Fresh water (CMD):	653 KL
	Recycled water - Flushing (CMD):	326 KL
	Recycled water - Gardening (CMD):	39 KL
	Swimming pool make up (Cum):	4 KLD
	Total Water Requirement (CMD) :	1018 KL
	Fire fighting - Underground water tank(CMD):	900 KL
	Fire fighting - Overhead water tank(CMD):	20 KL / Building (separate)
	Excess treated water	549 KL
Wet season:	**Source of water**	Phursungi Grampanchayat
	Fresh water (CMD):	653 KL
	Recycled water - Flushing (CMD):	326 KL
	Recycled water - Gardening (CMD):	-----
	Swimming pool make up (Cum):	4 KLD
	Total Water Requirement (CMD) :	979 KL
	Fire fighting - Underground water tank(CMD):	900 KL
	Fire fighting - Overhead water tank(CMD):	20 KL/building (separate)
	Excess treated water	588 KL
Details of Swimming pool (If any)	Dimension of Swimming Pool: 1Main Pool: 9.16 m x 4.77 m Baby Pool: 1.75 mvolume of Main Swimming pool – 47.52 cumvolume of Baby Swimming pool- 5.78 cumTotal water Requirement in KLD (Main Pool): 47 KLTotal water Requirement in KLD (Baby Pool): 5 KLWater requirement for make up in KLD: 4 KLDDimension of Swimming Pool: 2Main Pool: 9.16 m x 4.57 m Baby Pool: 1.75 mvolume of Main Swimming pool – 45.29 cumvolume of Baby Swimming pool- 5.78 cumTotal water Requirement in KLD (Main Pool): 44 KLTotal water Requirement in KLD (Baby Pool): 5 KLWater requirement for make up in KLD: 4 KLDDetails of Plant & Machinery used for treatment of Swimming pool water: High rate sand filter, multi-port valve, hair & lint strainers, pump, floor drains, vacuum points, & floor inlets. Details of quality to be achieved for swimming pool water and parameters to be monitored: Sr. No. Characteristics Values 1 pH Value 7.2 to 7.5 2 Total alkalinity (as CaCO3), mg/l 50 to 500 mg/l 3 Aluminium (As Al), mg/l 0.1 4 Total residual chlorine, mg/l 5 a) Inlet max 0.5 mg/l 6 b) Outlet min 0.2 mg/l 7 Total dissolved solids, mg/l 1500 mg/l 8 Chlorides (as Cl), mg/l 500 9 Colour, Hazen Units 10 10 Turbidity, NTU 10 11 Coli forms (MPN) <10 per 100 ml	

33.Details of Total water consumed

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

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	653 KL	653 KL	Not applicable	10 %	588 KL	Not applicable	588 KL	588 KL
Gardening	Not Applicable	39 KL	39 KL	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 m
	Size and no of RWH tank(s) and Quantity:	Not apllicable
	Location of the RWH tank(s):	Not apllicable
	Quantity of recharge pits:	17 no.
	Size of recharge pits :	2.5M X 2.5M X 2.5M
	Budgetary allocation (Capital cost) :	Rs.25.0 Lakh
	Budgetary allocation (O & M cost) :	Rs.1.50 Lakh/annum
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: 9,78,750 lit Flushing UG tank Capacity: 4,89,375 lit. Fire UG tank Capacity: 9,00,000 lit
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	24102.95 CUM/year
	Size of SWD:	200 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	914
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos of STP & Capacity of STP is - 1035 CMD (STP 1=660 KLD + STP 2=375 KLD)
	Location & area of the STP:	Pl refer the Layout
	Budgetary allocation (Capital cost):	Rs. 92.0 Lakh
	Budgetary allocation (O & M cost):	RS. 38.0 Lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Land filling on the same site
Waste generation in the operation Phase:	**Dry waste:**	1270 Kg / day
	Wet waste:	2066 Kg / day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	116 Kg/day
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	Through Authorized vendors
	Wet waste:	OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	As Mannure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Pl refer the layout
	Area for the storage of waste & other material:	88.5 sq.m
	Area for machinery:	61.5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.40.0 Lakh
	O & M cost:	Rs.11.0 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

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43.Green Belt Development	**Total RG area :**	6430 sq.m
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	630
	List of proposed native trees :	As per Below list
	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	Ailanthus excelsa	Maharukh	15	Medicinal value, Drought tolerant species.
2	Albizia lebek	Shirish	15	Medicinal for Skin, Fragrant flowers, Control soil erosion, Bird attracting species (Para kids eat seeds).
3	Choclospermum religiosum	Sonsawar	16	Medicinal value, Native species
4	Cordia dichotoma	Bhokar	11	Medicinal Value, edible fruit
5	Bahunia blakiana	Kanchanraj	15	Every part of the tree is medicinal part, Drought tolerance species
6	Ficus glomerata	Umber	16	Medicinal Value , Edible Fruit,bird attracting species
7	Butea monosparma	Palas	13	Medicinal value , Bird attracting species , controll soil erosion
8	Syzygium cumini	Jamun	12	Medicinal value, Edible fruit
9	Anthocepalus Kadamba	Kadamb	16	Medicinal value, control soil erosion,Birds,squrrels, monkey eat fruits
10	Azadirfachta Indica	Neem	16	Medicinal value, Controll & to improve Soil erosion
11	Dalbergia sissoo	shisav	08	Medicinal value, Attracts bird
12	Ficus arnottiana	Payar	14	Drought tolerance species, Attracts birds, Control soil erosion
13	Bauhinia purpurea	Gulabi Kanchan	15	Medicial, drought tolerance species
14	Ficus retusa	Nandruk	14	Medicinal value, Attracts birds, drought tolerance species hardy plant
15	pongamia pinnata	Karanj	12	Medicinal value,drought tolerance species, Controll soil eosion, hardy plant
16	Mangifera indica	Mango	08	edible fruit, Attracts birds
17	Michelia champaca	sonchafa	08	Medicinal value, fragrant flowers,butterfly larvae host plant, Attracting birds, fast growing
18	phyllanthus emblica	Awala	08	Medicinal value, Controll soil erosion

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19	Saraca indica	Sita- ashok	08	Medicinal value, religious plant
20	Cassia fistula	Bahawa	15	Medicinal, drought tolerance ,very ornomental, well flowering plant,honey bee attracting species, host plant for butterfly
21	Azarichta indica	Neem	28	Medicinal value, Controll soil eorsion
22	Bahunia recemosa	Apta	28	Medicinal , drought tolerance species
23	Murraya koengii	Kadipatta	28	Mecinal , Edible leaves
24	Aegle marmelos	Bel	28	Medicinal, drought tolerance species
25	putranjiva roxburghii	putranjiva	35	Medicinal ,Drought otlerance sepecies
26	Roystonia regia	Bottle palm	28	Ornamental palnt, Medoicinal , birds & bats eat fruits
27	Gmelina arborea	shivan	28	Medicinal, drought tolerance sepecies, Attracting birds
28	Mimosups elengli	Bakul	28	Fragrant flowers,medicinal ,Controll soil erosion
29	Caryota urens	Fishtail palm	28	grown in any type of soil very hardy plant
30	citrus species	Lemon	28	Medicinal value, edible fruit
31	Nyctanthus arbortristis	Parijatak	28	Fragrant flowers , Medicinal value
32	Dalbergia Sissoo	Shisav	28	Medicinal value, attracting birds
33	Erythrina indica	Pangara	28	Fragrant flowers, drought tolerance species, Attracting birds
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 allicable	--	----

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	6120.02 KW
	During Operation phase (Demand load):	3313.64 KVA
	Transformer:	630 KVA - 6 Nos.
	DG set as Power back-up during operation phase:	250 KVA - 1 No., 180 KVA - 1 No.
	Fuel used:	For 250 KVA : 53.3 ltr./hr, For 180 KVA : 39 ltr./hr
	Details of high tension line passing through the plot if any:	High tension line (110 KVA) passing through plot having distance 13.5 m from building

48.Energy saving by non-conventional method:

STEPS FOR ENERGY CONSERVATION

1.0 Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.

2.0 T5 fluorescent lamps (CFL) with high frequency ballast will be used for corridors and common areas & EXTERNAL ROAD
LIGHTS.

3.0 All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power fact

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water System:	24,34,784.11 KWH/ PER & 96%
2	Solar Street light System:	9565.92 KWH /Per Year
3	Using light fitting type & timer:	156,234.6 KWH / year

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage generation	Not applicable	STP
Wet garbage	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 243.0 Lakh
	O & M cost:	Rs. 7.0 Lakh /annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	2.0
2	Site Safety	Nets, barricade	3.0
3	Site Sanitation	Public toilets	1.5
4	Disinfection & health check up	sprying of gas for mosquitos	2.0
5	Environmental Monitoring	STP, OWC	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment Plant	to treat waste water	92.0	38.0
2	Rain Water Harvesting	to save water	25.0	1.50
3	Solid Waste Management	wet waste convert into manuare & dry waste disposed through vndor	40.0	11.0
4	Swimming Pool	------	18.0	1.50
5	Landscape Development	to maintain greenary on site	104.0	17.0
6	Solar Water heater	to save electrical energy	216.0	5.0
7	Solar PV Lights (street light)	to save electrical energy	27.0	2.0
8	Environmental Monitoring	to maintain environmental provided services	-----	1.50
9	Safety training & awareness	ear plugs, helmets, handgloves povide to labour during working	5.0	-----
10	Storm Water networking	to collect rain water	25.0	2.5
11	Water supply through tankers	in absence of grampanchyat water supply	------	100.0

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

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

52.Any Other Information

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No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	22933 sq.m
	Area per car:	for Cover parking - 30 sq.m & for Open Parking - 25 sq.m
	Area per car:	for Cover parking - 30 sq.m & for Open Parking - 25 sq.m
	Number of 2-Wheelers as approved by competent authority:	2395
	Number of 4-Wheelers as approved by competent authority:	435
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not Applicabe
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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52nd SEAC-3PP submitted their application for prior Environmental clearance for total plot area of 59,100.00Sq.Mtrs, BUA of 1,36,783.95 Sq. Mtrs and FSI area of 71,932.20Sq.Mtrs. PP proposes to construct 18 nos. of residential buildings having maximum height of 31.79 meters.

The case was earlier considered in 31st meeting of the SEAC - III held from 10th to 13th August, 2015. After deliberation, Committee observed that construction admeasuring 14775.37 Sq. Mtrs. prior to EC is violation of the provisions of EIA Notification, 2006. However, considering High Court orders and subsequent circular of Environment Department dated 21/04/2015, Committee appraised the proposal. The case was again considered in 44thmeeting of the SEAC-III held from 28th to 31st March 2016, 47th meeting held from 23rd to 27th May 2016 and 50thmeeting of the SEAC - III held from 5th,12th to 15th July 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged: 1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to PP complying with the above condition.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed SR Scheme on plot bearing CS No. 1500 (Pt), 2116 (Pt), 2124 of Mahim Division, Mumbai – 400 016 by M/s. Shree Nidhi Concepts Realtors Pvt. Ltd

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed SR Scheme
2.Type of institution	Private
3.Name of Project Proponent	Shree Nidhi Concepts Realtors Pvt. Ltd
4.Name of Consultant	Mr. H.K. Desai Enviro Analysts & Engineers Pvt. Ltd.,B-1003, Enviro House Western Edge II, Behind Metro Mall Western Express Highway Borivali (E), Mumbai-400066
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing CS. No. 1500 (Pt), 2116(Pt), 2124 of Mahim division, Mumbai.
9.Taluka	mumbai
10.Village	mahim
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOA recieved dtd 28-6-16
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/3354/GN/STGL/AP dtd 28.06.2016
	Approved Built-up Area: 21701.00
13.Note on the initiated work (If applicable)	No work has been initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI No. SRA/ENG/2025/GN/STGL/LOI dated: 5th Feb 2016
15.Total Plot Area (sq. m.)	20465.72
16.Deductions	14030.50
17.Net Plot area	6435.22
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21701.16
	b) Non FSI area (sq. m.): 25767.87
	c) Total BUA area (sq. m.): 47469.03
19.Total ground coverage (m2)	1904.20
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.59
21.Estimated cost of the project	1000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building No-1	2B+Gr.+23 (Pt) floors	69.75 m upto terrace level

23.Number of tenants and shops	Residential: 781 Nos. Commercial: 18 Nos. R/C: 5 Nos. BWS: 24 Nos.
24.Number of expected residents / users	Residential: 3905 Nos. Commercial: 54 Nos. R/C:25 Nos.

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25.Tenant density per hectare	1234 T/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)	Proposed 60.30 m DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Fire fighting access is from Proposed 60.30 m DP road
29.Existing structure (s) if any	Slum exist onsite which will be demolished for redevelopment.
30.Details of the demolition with disposal (If applicable)	The debris generated from demolition activity will be handed over to M.C.G.M. Only part of the debris will be reused as per M.C.G.M norms

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 / STP Treated water
	Fresh water (CMD):	354
	Recycled water - Flushing (CMD):	179
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	538
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	264

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Wet season:	**Source of water**	MCGM / RWH/STP Treated water
	Fresh water (CMD):	316 KLD (MCGM) + 38 KLD (RWH)
	Recycled water - Flushing (CMD):	179
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	533
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	269
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:**	NA
	Size and no of RWH tank(s) and Quantity:	1 No. of 76 KLD tank
	Location of the RWH tank(s):	2nd Basement
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakhs
	Details of UGT tanks if any :	domestic tank =354 Cum flushing tank=179 Cum located 2nd Basement

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35.Storm water drainage	**Natural water drainage pattern:**	south to north
	Quantity of storm water:	248 cu.m/hr
	Size of SWD:	300 mm dia pipe with slope of 1:200
Sewage and Waste water	**Sewage generation in KLD:**	498 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	500 KLD
	Location & area of the STP:	1st & 2nd Basement
	Budgetary allocation (Capital cost):	Rs 90 Lakhs
	Budgetary allocation (O & M cost):	Rs.09 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris material will be used for backfilling or site leveling purpose wherever required.
	Disposal of the construction waste debris:	Construction debris will be used for site leveling and temporary internal roads and remaining debris shall be disposed of by covered trucks to the authorized dumping sites.
Waste generation in the operation Phase:	**Dry waste:**	795 Kg/day
	Wet waste:	1184 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	100 Kg
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Will be hand 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 a manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	63 sq.m.
	Area for machinery:	12 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakhs
	O & M cost:	Rs. 2 Lakhs

37.Effluent Charecterestics

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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 :**	519.558 Sq.mt
	No of trees to be cut :	Nil
	Number of trees to be planted :	68
	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	Pongamia pinnata	Karanj	7	shady
2	Azadirachta indica	neem	5	control soil erosion
3	Psidium guajava	Peru	8	edible fruit

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4	Syzygium cumin	Jambhul	5	edible fruit
5	Prunus dulcis	Badam	10	edible fruit
6	Ficus racemosa	Umbar	4	shady
7	Phyllanthus emblica	Amla	8	edible fruit
8	Ficus religiosa	Pimpal	4	shady
9	Peltophorum pterocarpum	Peltophorum	6	shady
10	Mangifera indica	Mango	11	edible fruit
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 :**	BEST
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	3600 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 X 625 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

ENERGY SAVING MEASURES - REHAB MAHIM
Description MD (KW) Full load hrs Daily Consumption (Kw-h) Annual Diversity Annual Consumption (Kw-h) per annum % savings KWh Saved per Annum Savings due to
A) Residential flats
Lighting 95 5 473 0.8 138233 30 41470 Use of T-5 Fittings (28 w) and Electronic ballasts instead of Fluoroscent Light fittings (40w) and copper ballasts.
Domestic Equipments 120 3 360 0.5 65700 10 6570 User to be recommended to use BEE FIVE star certified appia

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	12%

50.Details of pollution control Systems

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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. 40 Lakhs
	O & M cost:	Rs. 2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air environment	dust suppression	3.0
2	land environment	site sanitation	2.5
3	Environment	Environmental Monitoring	15.0
4	EHS	disinfection	1.5
5	EHS	Health Check up	5.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	STP	90	9
2	land environment	Solid Waste Management	15	2
3	water environemnt	Rain Water Harvesting	10	0.5
4	solar energy	Energy Conservation	40	2
5	land environment	Landscaping	18	3
6	other	Basement Air Cleaning System	30	2.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	60.30 m wide proposed DP road

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Parking details:	**Number and area of basement:**	1 Basements of 1621.7 Sq.mt
	Number and area of podia:	nil
	Total Parking area:	4137.7 Sq.m
	Area per car:	ground level = 31.45 sq.m., basement level= 31.79 sq.m.
	Area per car:	ground level = 31.45 sq.m., basement level= 31.79 sq.m.
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	131
	Public Transport:	nil
	Width of all Internal roads (m):	6.00 m wide driveways
	CRZ/ RRZ clearance obtain, if any:	Project was considered in 113th MCZMA meeting & granted non CRZ status.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	As per Annexure-II of draft notification published by MOEFCC u/no. S.O.229 (E) dated 22/01/2016, the plot under reference falls outside proposed eco-sensitive zone
	Category as per schedule of EIA Notification sheet	shedule 8a, category B
	Court cases pending if any	nil
	Other Relevant Informations	nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-03-2016

Brief information of the project by SEAC

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51(B) SEAC-2

Representative of PP, Mr. Gurunath Mirzee & Architect Mr. Paras Pathak were present during the meeting along with environmental consultant M/s EAEPL. PP informed that they have received LOI for rehab building from SRA vide letter dated 05/02/2016.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 47th meeting of SEAC II. 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 20,465.72 m2 & total construction area proposed in this meeting of the project is 47,469.03 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.

DECISION OF SEAC

During discussion following points emerged:

1. 1. PP informed that project was considered in 113th meeting of MCZMA. PP to submit details of the same and letter issued, if any, by the authority. 2. 2. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed manufacturing of 2,40,000 TPA MS/SS/AS Ingots & Billet, Round bars, Rolled Products, Wires, Forging and Structural Items

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Jay Bhavani Ispat Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Ram Prakash Malpani
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At Gut No.44,45,46,46/1
9.Taluka	Wada
10.Village	Abitghar
11.Area of the project	Grampanchayat Abitghar
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 28543.859
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	40468.6 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 28543.859 Sq. m.
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	2500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
2	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
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	MS/SS/AS Ingots and Billets	--	2,40,000 TPA	2,40,000 TPA

32.Total Water Requirement

Dry season:	**Source of water**	Ground Water
	Fresh water (CMD):	140
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Ground Water
	Fresh water (CMD):	140
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
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	0	14	14	0	3	3	0	11	11
Industrial Process	0	26	26	0	4	4	0	22	22
Cooling tower & thermopack	0	90	90	0	0	0	0	0	0
Gardening	0	33	33	0	33	33	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	3 Nos. 180 cum. (each)
	Location of the RWH tank(s):	South West
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 10 lacs
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lacs/year
	Details of UGT tanks if any :	Proposed to construct 3 RWH tank of 180 cum capacity each.

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35.Storm water drainage	**Natural water drainage pattern:**	gravitational natural flow of Storm water drainage network
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	11
	STP technology:	MBBR technology Package type STP will be provided
	Capacity of STP (CMD):	1 No. 15 KLD capacity
	Location & area of the STP:	North East 100 sq. m.
	Budgetary allocation (Capital cost):	Rs.20 Lacs
	Budgetary allocation (O & M cost):	Rs.2 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	Slag
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Hardening of working area, internal road , brick manufacturers, Concreting.
	Wet waste:	NA
	Hazardous waste:	Used oil will be sold to authorized recycler vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	1100 Sq. m.
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		22			
Capacity of the ETP:		22			
Amount of treated effluent recycled :		22			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Settling tank			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Induction Furnace	Electricity	1	45	3	102 Degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	0	25000 KVA	25000 KVA
41.Source of Fuel		MSEDCL		
42.Mode of Transportation of fuel to site		Transmission Line		

43.Green Belt Development

Total RG area :	13354 sq.m.
No of trees to be cut :	None
Number of trees to be planted :	600
List of proposed native trees :	Ashoka, Pipal, Gulmohar
Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Asoca	Ashoka	200	Decidious, Tall and dense good as an avenue tree
2	Ficus Religiosa	Peepal	200	Semi deciduous, widely spaced tree
3	Delonix Regia	Gulmohar	200	Semi deciduous,Tall and dense good as an avenue tree

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45.Total quantity of plants on ground	

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Induction Furnace	NA	Venturi scrubbers and Hydro-Cyclones
Material Handling areas viz. loading/unloading	NA	Water sprinklers for dust suppression

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Venturi scrubbers and Hydro-Cyclones Water sprinklers	130	20
2	Water pollution control	STP & ETP	20	2
3	Solid Waste management	Plantation	10	2
4	Environmental Monitoring	Air, Water, wastewater	-	3

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

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

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6000 Sq.m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	25 Trucks/day
	Width of all Internal roads (m):	9 m wide road
	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	NA
	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

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137th SEAC-1 The PP gave a detailed presentation of their EIA report pertaining to the green field project to manufacture 2, 40,000 TPA of MS/AS/SS ingots, billets, round bars, rolled products, wire rods, forging and structural items. The Committee noted that the project was considered as 3(a) - B1 category of the EIA Notification, 2006.

DECISION OF SEAC

After detailed discussion the Committee made the following observations:

1. The water requirement of the project is 140 m3/day. The Committee desires that this entire water should be sourced from captive source of PP. The Committee has already made recommendation to construct water reservoir of capacity 17, 000 m3 to cater to this project and its sister unit M/s. Shree Jay Jagdamba Stainless Steel Ltd. The commissioning of the reservoir will be preconditioned to commissioning of the project. 2. The flue gas emissions from induction furnace will be sent to the venturi scrubber and hydrocyclone followed by a stack of height 62 m for each furnace (there are 2 furnaces) to achieve outlet TPM of < 100 mg/Nm3. Secondary fume extraction system should also make use of same APCs. 3. Air cooling shall be resorted to induction furnace. 4. STP of 15 CMD shall be established. Treated sewage and treated water from scrubber shall be recycled in the process by net saving of 25 CMD. 5. Rain water harvesting shall be effected through 3 tanks of 180 m3 capacity. 6. The workers in the plant should be protected from extreme temperature by providing them with heat resistant clothing and adequate rest periods to prevent over exposure. There should be regular health check-ups to monitor physical parameters of workers who are employed near the furnace. The Committee went through the all aspects of Environmental Impact and noted that the baseline studies indicated that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project.

The Committee also went through bio-diversity study. The project per se will not have impact on bio-diversity of adjoining ecology. The Tansa Wild Life Sanctuary is on the eastern boundary of the project. The Committee feels that while granting new permission in this area preservation of bio-diversity of Tansa will be ensured. Subject to the above observations the Committee decided to **recommend** the project for **EC**.

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-1000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Consruction Project by M/s Idea Cellular Ltd

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Idea Data Center Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohandas Pillai
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No BG-80/A, Pimpri-Chinchwad Industrial area, Bhosari, Dist. Pune - 411026
9.Taluka	Haveli
10.Village	Bhosari
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: MIDC Approval Ref. no.: D76998
	Approved Built-up Area: 43673.85
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	36421.3 m2
16.Deductions	Reserved Green Area = 3642.13 m2 and Explosive Area = 547.92 m2
17.Net Plot area	32231.25 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 43621.06
	b) Non FSI area (sq. m.): 18826.13
	c) Total BUA area (sq. m.): 62447.19
19.Total ground coverage (m2)	12086.56
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.18 % of Total Plot Area and 37.5 % of Net Plot Area
21.Estimated cost of the project	4800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	OFFICE BLDG	Double Basement + GF + 2 FL	20.50
2	DC BLDG	GF+5 FL	33.07
3	UTILITY BLDG	GF+1 FL	12.50

23.Number of tenants and shops	NA
24.Number of expected residents / users	Commercial Users: 1082Nos.

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25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18m MIDC road and Nasik Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 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**	MIDC
	Fresh water (CMD):	937.03
	Recycled water - Flushing (CMD):	43.92
	Recycled water - Gardening (CMD):	9.19
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	778.52
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	0.00

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Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	889.56
	Recycled water - Flushing (CMD):	43.92
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	731.05
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	0.00
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:**	Summer Season – 29.00 m. to 37.00 m. BGL., Rainy Season – 11.20 m. to 17.60 m. BGL. and Winter Season – 20.10 m. to 27.30 m. BGL.
	Size and no of RWH tank(s) and Quantity:	Size: 2.38 m (W) X 10.5 m(L) X 4.3 m (H) and Quantity – 1 Nos.
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	15 Nos.
	Size of recharge pits :	2.0 m X 2.0 m X 2.0 m
	Budgetary allocation (Capital cost) :	Rs 35.00 Lakh
	Budgetary allocation (O & M cost) :	Rs 2.00 Lakh/year
	Details of UGT tanks if any :	• Domestic UG tank Capacity :85m3 • Flushing (Treated Water Tank)UG tank Capacity :120m3 • Fire UG tank Capacity:300 m3

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35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	15903.7921 m3/Year
	Size of SWD:	400 mm dia pipe
Sewage and Waste water	**Sewage generation in KLD:**	59.00 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of 90.00 m3/day
	Location & area of the STP:	62.01 m2
	Budgetary allocation (Capital cost):	Rs. 45.37 Lakh
	Budgetary allocation (O & M cost):	Rs. 7.45 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	117.5 kg/day
	Disposal of the construction waste debris:	Use of Leveling
Waste generation in the operation Phase:	**Dry waste:**	108.2 kg/day
	Wet waste:	54.1 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 kg/day
	Others if any:	E-waste: Applicable
Mode of Disposal of waste:	**Dry waste:**	Authorized vendor
	Wet waste:	Organic waste convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	E-waste: Authorized Vendor
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	46.8 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 09.83 Lakh
	O & M cost:	Rs. 2.28 Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

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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	DG set of 2000 KVA-16 Nos	HSD	S-1 to S-16	44.0 m	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	541.1 lit/hr	541.1 lit/hr

41.Source of Fuel	Bharat Petroleum Corporation Limited/Hindustan Petroleum
42.Mode of Transportation of fuel to site	by roadway

43.Green Belt Development	**Total RG area :**	3642.1 m2
	No of trees to be cut :	61.00 Nos.
	Number of trees to be planted :	210 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Delonix regia	Gulmohar	17	It is a tree that is largely grown for its beauty. The wood which is white and soft is used for making ornaments, and can be very highly polished. The flowers and buds are used (as a herb) for flavouring food.

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2	Albizia lebbeck	Shirish	40	(Shady tree, yellowish green fragrant flowers) Flowering begins with the resumption of growth towards the end of the dry season, continuing into the wet season. Pods mature in the early dry season, remaining on the tree for 3 - 4 months or well into the following flowering season. Unless trees have been frequently coppiced, they can produce large amounts of seed every year. Flowering can occur on plants as young as 10 months old. Flowers are insect-pollinated.
3	Lagerstroemia flos-regineae	Tamhan	23	(Medium sized tree, beautiful purple flowers)It is found at low to medium altitudes in comparatively open habitats, in disturbed or secondary forest, grassland, andalong rivers. The habitat may vary from well drained to occasionally flooded but not peat soil. It is resistant to fire.
4	Mimusops elengi	Bakul	24	(Shady tree, small white fragrant flowers)The fruits is a food source for birds and squirrels.
5	Saraca asoka	Sita Ashok	25	(Shady tree with red-yellow flowers.) ark astringent used in uterus infections. It has a stimulating effect on endometrium and ovarian tissue and in useful in menorrhagia due to uterine fibroids, in leucorrhoea and internal bleeding haemorrhoids, and hemorrhagic dysentery. Bark also contains an oxytoxic principle. Flowers are also used as a uterine tonic; used also in biliousness, hemorrhagic dysentery, and diabetes. In general, it is considered as the best female tonic. Fruits chewed as a subst
6	Michelia champaca	Son chafa	23	(Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant) Flowers are source of Champa oil or Champaca oil, used in perfumery. Flowers are also used in preparation of attars and perfumed hair oils. They also yield a yellow dye. The flowers also find use in dyspepsia, nausea, and fever, also useful as a diuretic in renal diseases. The flowers are used in Southeast Asia for several purposes. They are floated in bowls of water to scent the room, as a fragrant decoration for brida
7	Manicara zapota	Chikoo	10	Sapodilla can grow to more than 30 m (98 ft) tall with an average trunk diameter of 1.5 m (4.9 ft). The fruit has an exceptionally sweet, malty flavor. The unripe fruit is hard to the touch and contains high amounts of saponin, which has astringent properties similar to tannin, drying out the mouth.
8	Carica papaya	Papaya	05	Fruit is a rich source of vitamin A and C. It has a high nutritive and medicinal value. Papain prepared from dried latex of its immature fruits is used in meat tenderizing, manufacture of chewing gum, cosmetics, for degumming natural silk and to give shrink resistance to wool. It is also used in pharmaceutical industries, textile and garment cleaning paper and adhesive manufacture, sewage disposal etc.
9	Phyllanthus emblica	Amla	10	Fruit sour and astringent, cooling, diuretic, laxative, eaten raw or cooked, also pickled, a rich source of vitamin C. Popularly used in inks, shampoos and hair oils, the high tannin content of Indian gooseberry fruit serves as a mordant for fixing dyes in fabrics.
10	Plumeria alba	Champa	23	evergreen,ornamental,necklaces,decorativecoffins,medicalpreprations
11	Psidium guajava	Guava	10	Fruits are eaten as such or canned, preserved spiced or made into jam, butter, marmalade, pies, ketchups and chutneys. Are one of the richest source of Vitamin C. Seeds yield a fatty oil. Leaves contain an essential oil which is used as flavoring.
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 KW
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	37214 KW
	During Operation phase (Demand load):	29978 KVA
	Transformer:	220kV/11kV = 2Nos and 2.5MVA = 28 Nos
	DG set as Power back-up during operation phase:	14 of 2000KW Cont. Operation and 2 of 2000KW Standby
	Fuel used:	541.1 lit/hr
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Free Cooling in server rooms during winter season.
• Solar power plant utilization per day 100kw.
• Solar lights will be provided for common amenities like street lighting.
• Led based lighting with motion detection system in office areas, server rooms, passages, common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
• Auto timer switches will be provided for street lights, garden lights, parking & staircase lights & other common area lights, for saving electric

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For all Buildings	973953.34 KWH/Year
2	Bulkhead Type Lighting Fixture for Shafts	28105 KWH/Year
3	Garden Pole - Light Fitting For Landscape Area.	600.96 KWH/Year
4	Up Lighter - Light Fitting For Landscape Area.	2003.2 KWH/Year
5	Bollard Lighter - Light Fitting For Landscape Area.	876.4 KWH/Year
6	Pole Light Fitting for Building	5018.75 KWH/Year
7	Street Light on the Road.	22885.5 KWH/Year

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 752.00 Lakh
	O & M cost:	Rs 61.70 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	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation –Mobile toilets	0.50
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	45.37	7.45
2	WTP (RO + Filtration)	Water Treatment Plant	253.80	15.34
3	Evaporator & Boiler	Evaporator & Boiler	196.84	58.40
4	RWH	Rain Water Harvesting	35.00	2.00
5	OWC	Organic Waste Convertor	9.83	2.28
6	Solar Cell	Solar Cell	85.00	1.70
7	Landscaping	Landscaping	500.00	50.00
8	Safety Security Equipment	Safety Security Equipment	3500.00	100.00
9	Post EC Monitoring	Post EC Monitoring	0.00	2.50

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

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53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	Car: 314 No., 2-wheelers: 71 Nos. and Area: 11203 m2
	Number and area of podia:	NA
	Total Parking area:	12314.58 m2
	Area per car:	39.21 m2
	Area per car:	39.21 m2
	Number of 2-Wheelers as approved by competent authority:	71 Nos.
	Number of 4-Wheelers as approved by competent authority:	314 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 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	B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

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45th SEAC-3PP submitted their application for total plot area of 36421.3 Sq. Mtrs, BUA of 57241.41 Sq. Mtrs and FSI area of 44208.36 Sq. Mtrs. PP proposes to construct 3 nos. of commercial building having maximum height of 34.00 mtrs.

The case was earlier considered in 41st meeting of the SEAC - III held from 27th to 30th January 2015. This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP informed that they have obtained full potential sanction. 2. PP to provide noise barriers alongside of DG sets.
3. PP to submit revised tree list.

SEAC decided to recommend the proposal for Prior Environmental Clearance, subject to the PP complying with the above conditions.

Specific Conditions by SEAC:

SEIAA DECISION

Approved.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Development of Greenfield Petroleum Storage Depot of M/s Essar Oil Limited near Dahegoan Railway Station, District Wardha

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Development of Greenfield Petroleum Storage Depot of M/s Essar Oil Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ajit Mishra (Head Marketing)
4.Name of Consultant	Ultra-Tech Environmental Consultant and Laboratory
5.Type of project	Industrial Project categorised as 6(b), 'B' as per EIa Notification 2006 and its further amendments
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	KhasraNo:108/109/110/111/112/113/115/ 119A1/119A2/119A3/119A4/119A5/119B, Neemgaon Wardha.
9.Taluka	Wardha
10.Village	Neemgaon
11.Area of the project	Other area, Village Neemgaon, Taluka Wardha, District Wardha
12.IOD/IOA/Concession/Plan Approval Number	We are PESO approved
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 4735
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA permission from Tehsil
15.Total Plot Area (sq. m.)	Approximately 51.92 Acres
16.Deductions	NA
17.Net Plot area	Approximately 51.92 Acres
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 4735 m2
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	1009200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	As per plan approved by PESO	As per plan approved by PESO	As per plan approved by PESO

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	7m wide black top roads at the entrance of the project site and then 6m wide black top internal roads within the premises
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	13 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	Motor Spirit (MS)	0	6 x 2000	12000
2	High Speed Diesel (HSD)/ Superior Kerosene Oil (SKO)	0	6 x 4000	24000
3	Ethanol	0	2 x 20	40
4	Slop	0	2 x 70	140

32.Total Water Requirement

Dry season:	**Source of water**	Proposed Borewell
	Fresh water (CMD):	17
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	25
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	5850
	Excess treated water	0

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Wet season:	**Source of water**	Proposed Borewell
	Fresh water (CMD):	17
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	17
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	5850
	Excess treated water	0
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	17	17	0	9	9	0	8	8
Industrial Process	0	7	7	0	7	7	0	0	0
Domestic	0	10	10	0	2	2	0	8	8
Gardening	0	8	8	0	8	8	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 - 10 meters
	Size and no of RWH tank(s) and Quantity:	Earthen pond of 1800 m3
	Location of the RWH tank(s):	NW side of the plot
	Quantity of recharge pits:	3
	Size of recharge pits :	As per requirement of CGWA
	Budgetary allocation (Capital cost) :	Included within landwork, no additional cost envisaged as it is an Earthern Pond
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Under Ground Storage tanks for Ethanol (Horizontal) of 2 x 20 m3

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35.Storm water drainage	**Natural water drainage pattern:**	Towards North and East
	Quantity of storm water:	6400 m3/Day
	Size of SWD:	As needed towards the North and east earthern pond
Sewage and Waste water	**Sewage generation in KLD:**	8 KLD
	STP technology:	Sequential Batch Reactor (SBR) technology
	Capacity of STP (CMD):	1 of 10m3/day
	Location & area of the STP:	Near Canteen Building
	Budgetary allocation (Capital cost):	9 lakhs
	Budgetary allocation (O & M cost):	4 lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Negligible
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	6 Kg/day
	Wet waste:	2.5 Kg/day
	Hazardous waste:	5 MT of Sludge Waste every 5 years during Storage Tanks cleaning (approx)
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	0.5 kg/day
	Others if any:	Nil
Mode of Disposal of waste:	**Dry waste:**	As per local MSW Rules
	Wet waste:	Vermi Composting and manure usage to gardening
	Hazardous waste:	CHWTSDF at Mandwa, Nagpur
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Composting and manure usage to gardening
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.5 to 7.5	7.5 to 8	7.5 to 8
2	Total Suspended Solids	mg/L	100	<100	<100
3	BOD	mg/L	500	<100	<100
4	COD	mg/L	800	<250	<250
5	Total Dissolved Solids	mg/L	400	<200	<2100
6	Oil and Grease	mg/L	20	<10	<10
Amount of effluent generation (CMD):		8			
Capacity of the ETP:		Oil Water Separator capacity of 55 m3/hr			
Amount of treated effluent recycled :		As recovered from OWS			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Oil Water Sepearator			
Disposal of the ETP sludge		Shall be sent to CHWTSDF Mandwa			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Oil Water Sludge	34.3	MT	0	5 MT per year (approx)	5 MT per year (approx)	CHWTSDF at Mandwa, Nagpur

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	Stack Attched to DG set	Diesel	1	Above Roof 6m	0.3	160
2	Stack Attched to DG set	Diesel	1	Above Roof 6m	0.3	160

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	100 L/Day	100 L/Day
41.Source of Fuel		Authorised supplier		
42.Mode of Transportation of fuel to site		By road		

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43.Green Belt Development	**Total RG area :**	63000 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	650
	List of proposed native trees :	List as per native species
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ficus retusa	Nandruk	To be Decided	Shady tree, good for roadside plantation
2	Pongamia pinnata	Karanj	To be Decided	Shady tree.
3	Saraca asoka	Sita Ashok	To be Decided	Shady tree with red-yellow flowers.
4	Anthocephallus cadamba	Kadamb	To be Decided	Shady, large tree, ball shaped flowers.
5	Cassia fistula	Bahava	To be Decided	Medium sized deciduous tree.Beautiful yellow flowers, Butterfly host plant
6	Lagerstroemia flos-regineae	Tamhan	To be Decided	State flower tree of MaharashtraMedium sized tree, beautiful purple flowers
7	Putranjiva roxburghii	Putranjiva	To be Decided	Medium sized evergreen tree,
8	Bauhinia racemosa	Apta	To be Decided	Small tree with small white flowers, Butterfly host plant
9	Azadirachta indica	Neem	To be Decided	Large tree, good for roadside plantation
10	Delaonix regia	Gulmohar	To be Decided	Moderate sized fast growing, deciduous tree and light feathery foliage
11	Albizzia lebbeck	Shirish	To be Decided	Shady tree, yellowish green fragrant 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	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	2200 kW
	DG set as Power back-up during construction phase	2 DG sets of 900 kVA
	During Operation phase (Connected load):	Same as Above
	During Operation phase (Demand load):	Same as Above
	Transformer:	NA
	DG set as Power back-up during operation phase:	2 DG sets of 900 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

PV panels on admin block admeasuring 200 m2 to generate about 20 kW energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy	20 kW

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Pollution	NA	DG Sets stack as per CPCB guidelines to be provided, Water Sprinkling will be carried on regular basis
Water Pollution	NA	Oil Water Separator will be provided, Sewage Treatment Plant will be provided for domestic waste
Noise Pollution	NA	Acoustic enclosure will be provided for DG sets, PPEs for Noise pollution shall be provided

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5 lacs
	O & M cost:	0.5 lacs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Expenditure on Environmental Management	All Enviromental aspects	As required

b) Operation Phase (with Break-up):

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

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1	Expenditure on Environmental Management	Environmental Aspects	2385	95

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
Motor Spirit (MS)	Proposed	Within Premises	12000	12000	6250	Refinery at Jamnagar (Gujarat)	Railway Wagons
High Speed Diesel (HSD)/ Superior Kerosene Oil (SKO)	Proposed	Within Premises	24000	24000	18750	Refinery at Jamnagar (Gujarat)	Railway Wagons
Ethanol	Proposed	Within Premises	40	40	313	Refinery at Jamnagar (Gujarat)	Railway Wagons
Slop	Proposed	Within Premises	140	140	Not Applicable	Refinery at Jamnagar (Gujarat)	Railway Wagons

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5000 m2
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	5-6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nothing with 15 Km
	Category as per schedule of EIA Notification sheet	6b (Isolated Storage and Handeling of Hazardous Chemicals)
	Court cases pending if any	No
	Other Relevant Informations	There is no manufacturing process involved in the Depot. The Rail Fed POL Depot shall be handling and storing various finished petroleum products
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-04-2016

SEIAA AGENDA-0000000008

Brief information of the project by SEAC

Minutes of 136th SEAC-1 meeting:

The project was considered under 6(b)-B1 category of EIA Notification 2006. The PP gave a detailed presentation of their proposal for establishing Greenfield Petroleum Storage Depot of 36,180 KL comprising of 6 x 2000m3 overhead tank for motor spirit, 6 x 4000m3 tank for HSD/SKO, 2 x 20m3 overhead tanks for Ethanol and 2 x 70m3 underground tanks for slop.

DECISION OF SEAC

After detailed discussion the Committee made the following observations:

1. The baseline studies indicate that air, water, ground water, noise and soil parameters would remain well within prescribed limits even after commissioning of the project.

2. The project envisages use of ground water for all the water requirements. The PP has submitted a certificate for requirement of 25 CMD water which can be met through borewell. It will not only cater to process requirement but also supply for top-up fire water tank.

3. At Construction phase a mobile STP of sufficient capacity and at operation phase 10 CMD STP shall be installed. Treated water shall be used for gardening.

4. DG set of 2 x 900 KVA will have a stack of height 6m above highest rooftop level.

5. PP shall resort to rain water harvesting through a pond of 1800 m3 which shall be lined. PP shall tap solar energy to the extent of 20 KW however, the PP should try to augment this generation of electricity by solar energy by installing solar panel on open area available to ensure 100% solar based illumination of the plant.

6. Road in front of main entrance leading to railway line and beyond poses traffic problems during emergency. For this purpose PP shall widen the road fronting their entrance upto 500m to the North and till the railway crossing in the south to a width of 7m (2 lanes). No on-street parking should be allowed. If the vehicles have to be evacuated they will cross the railway line and proceed towards highway. In case level crossing is not open, then they will be diverted to the Northern side sufficiently away from the plant for parking.

7. Risk Assessment and Risk Mitigation Studies were carried out. There is a contingency of off-site emergency, hence hazard management plan shall be shared with the District Administration. Diagram enclosed in the Annexure 13.1 gives the layout of the plot with the all hazard management facilities. Maharashtra Pollution Control Board (MPCB) should verify the provision of these facilities before granting Consent to Operate.

8. There should be online monitoring of VOCs/ Hydrocarbon using Photoionization detection based VOC monitoring system.

After considering all aspects of Environmental Impact the Committee decided to recommend the project for EC subject to the above (2-8) conditions.

Specific Conditions by SEAC:

SEIAA DECISION

Approved.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Proposed Amendment/Expansion in Redevelopment of RUSTOMJEE 'SUMMIT' and 'PINNACLE' at Plot Bearing C.T.S No. 88 (pt), Rajendra Nagar C.H.S, Rajendra Nagar, Dattapada road, Borivali (E), Mumbai - 400066 by Keystone Realtors Pvt. Ltd.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed Amendment/Expansion in Redevelopment of RUSTOMJEE 'SUMMIT' and 'PINNACLE'
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shovir Irani,Keystone Realtors Pvt. Ltd. ,• 702, Natraj, M.V. Road, Western Express Highway, Andheri (E), Mumbai- 400 069.
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	Redevelopment Residential Project (MHADA)
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 dated 9th January, 2015 (SEAC 2011/CR-110/TC-2)
8.Location of the project	Plot Bearing C.T.S No. 88 (pt), Rajendra Nagar C.H.S, Rajendra Nagar, Dattapada road, Borivali (E), Mumbai - 400066
9.Taluka	borivali
10.Village	dattapada road
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	YES
	IOD/IOA/Concession/Plan Approval Number: CHE/A-4944/BP(WS)/AR, CHE/A-4945/BP(WS)/AR
	Approved Built-up Area: 38602.21
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI) 5812.46 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA NOC/Letter
15.Total Plot Area (sq. m.)	7119.67 sq.m.
16.Deductions	1493.87 sq.m.
17.Net Plot area	6625.80 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33760 sq.m.
	b) Non FSI area (sq. m.): 29071.73 sq.m.
	c) Total BUA area (sq. m.): 62831.73 sq.m.
19.Total ground coverage (m2)	2375.74 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.75%
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab	3B +GR +1 Podium+21 Floors	69.30 m
2	Sale	1B+Stilt+37 upper floor	120.90 m

23.Number of tenants and shops	Rehab = 144 Sale = 216 total = 360

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24.Number of expected residents / users	Rehab = 720, Sale =1080, Total =1800
25.Tenant density per hectare	300/ 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)	36.60m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.50 m
29.Existing structure (s) if any	Construction of Rehab and sale Building has started
30.Details of the demolition with disposal (If applicable)	It is carried out as per received debris management plan

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 / STP Treated water
	Fresh water (CMD):	Rehab. Bldg.-65 KLD ,Sale Bldg. – 97 KLD, Total – 162 KLD
	Recycled water - Flushing (CMD):	Rehab Bldg.-33 KLD ,Sale. Bldg. – 49 KLD, Total – 82 KLD
	Recycled water - Gardening (CMD):	19 KLD
	Swimming pool make up (Cum):	9 cum
	Total Water Requirement (CMD) :	263 KLD
	Fire fighting - Underground water tank(CMD):	Rehab = 200cum, Sale = 325 cum
	Fire fighting - Overhead water tank(CMD):	Rehab = 30cum, Sale = 30 cum
	Excess treated water	88 KLD

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Wet season:	**Source of water**	MCGM / STP Treated water/RWH Tank
	Fresh water (CMD):	Rehab. Bldg.-65 KLD ,Sale Bldg. – 97 KLD, Total – 162 KLD
	Recycled water - Flushing (CMD):	Rehab Bldg.-33 KLD ,Sale. Bldg. – 49 KLD, Total – 82 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	9cum
	Total Water Requirement (CMD) :	244 KLD
	Fire fighting - Underground water tank(CMD):	Rehab = 200cum, Sale = 325 cum
	Fire fighting - Overhead water tank(CMD):	Rehab = 30 cum, Sale = 30 cum
	Excess treated water	107 KLD
Details of Swimming pool (If any)	swimming pool water requirement = 9 cum	

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:**	1.7-3.0 m
	Size and no of RWH tank(s) and Quantity:	Rehab = 54cum, Sale=65 cum (1.5 days storage)
	Location of the RWH tank(s):	at Ground level
	Quantity of recharge pits:	NIL
	Size of recharge pits :	NIL
	Budgetary allocation (Capital cost) :	Rs.11.70Lakhs
	Budgetary allocation (O & M cost) :	Rs.0.60 Lakhs/year
	Details of UGT tanks if any :	Domestic tank= Rehab. Bldg.-65 KLD,Sale Bldg. – 97 KLD, Total – 162 KLD Flushing tank=Rehab Bldg.-33KLD, Sale Bldg. – 49 KLD Fire Tank= Fire Tank UG(in Cum) OH (in Cum) Rehab Bldg. 200 30 Sale Bldg. 325 30 RWH tank = Rehab = 54cum, Sale=65 cum (1.5 days storage)

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35.Storm water drainage	**Natural water drainage pattern:**	as per the design
	Quantity of storm water:	SWD sizes estimated=0.45m (wide)x0.45m (deep) ,Velocity=1.2 m/s, Capacity of Drain=0.24 m3/s
	Size of SWD:	B = 450 mm, D =350 mm
Sewage and Waste water	**Sewage generation in KLD:**	Rehab – 84 KLD, Sale – 126KLD, Total - 210 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Rehab – 93 KLD ,Sale – 138 KLD,Total - 231 KLD
	Location & area of the STP:	at basement level
	Budgetary allocation (Capital cost):	Rs.90.38 Lakhs
	Budgetary allocation (O & M cost):	Rs.15.40 Lakhs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris has been disposed off by covered trucks to the authorized sites with the permission of MCGM.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight 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 MCGM.
Waste generation in the operation Phase:	**Dry waste:**	Rehab. Bldg. – 144 Kg/Day, Sale Bldg.- 216 Kg/ Day ,Total -360 Kg/Day
	Wet waste:	Rehab Bldg. – 216 Kg/Day ,Sale Bldg.- 324 Kg/ Day, Total -540 Kg/Day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	14kg
	Others if any:	nil
Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	nil
Area requirement:	**Location(s):**	at ground level
	Area for the storage of waste & other material:	Rehab = 33 sq.m., Sale = 51 sq.m.
	Area for machinery:	Rehab = 3.0 sq.m., Sale = 3.0sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.16.06 Lakhs
	O & M cost:	Rs. 3.50 Lakhs/year

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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 :**	2145.36 sq. mtrs
	No of trees to be cut :	nil
	Number of trees to be planted :	195 nos. ,Retained= 120
	List of proposed native trees :	as below
	Timeline for completion of plantation :	at the end of cosstruction 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	Azadirachta indica	Neem	12	Noise Reduction
2	Michelia champaca	Chapha	20	Shade givers, scented flowers

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3	Polyalthia longifolia	Mast tree	25	Noise Reduction
4	Plumeria alba	White Plumeri	35	Shade givers
5	Acacia auriculiformis	Acacia	12	Shade givers
6	Anthocephallus cadamba	Kadam Tree	10	Ornamental tree
7	Lagerstroemia speciosa	Tamhan	25	Ornamental tree
8	Saraca indica	Ashok	20	Shaded tree
9	Caryota urens	Fish Tail Palm	20	Ornamental tree
10	Syzygium cumini	Jamun	16	Shaded 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	nil	nil	nil

47.Energy

Power requirement:	**Source of power supply :**	Reliance energy
	During Construction Phase: (Demand Load)	80 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	rehab = 1930KW, sale =4343 KW
	During Operation phase (Demand load):	rehab = 1508 KW, sale = 2504KW
	Transformer:	Nil
	DG set as Power back-up during operation phase:	1 No. x 750 KVA , 1 No. x 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

1 Total Saving Due to CFL / T5 Lamp for Common Area
2 Total Saving Due to LED
3 Total Saving Due to VFD for Lift and Pump
4 Total Saving Due to Solar Lighting for Lift Lobby & Street/Landscape Lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	Rehab=19% ,Sale =21%

50.Details of pollution control Systems

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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.8.26 Lakhs
	O & M cost:	Rs. 0.13 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	air environment	dust suppression	2.00
2	land environment	site sanitation	2.00
3	environmental monitoring	For Air, Noise, Water Analysis	15.00
4	EHS	disinfection	1.5
5	EHS	health check up	2.00

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 envrionment	Rain Water Harvesting	11.70	0.60
2	land environemnt	Solid waste management	16.06	3.50
3	water environment	STP	90.38	15.4
4	energy saving	Energy Conservation measures	8.26	0.13
5	land environment	Landscaping	13.14	2.10
6	EHS	DMP	632.89	25.00

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 nos. 36.60m wide road

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Parking details:	**Number and area of basement:**	3No. (4888.6 sq.m.) rehab
	Number and area of podia:	1 podium(1341.94 sq.m.) rehab
	Total Parking area:	14528sq.m.
	Area per car:	31.85 sq.m.
	Area per car:	31.85 sq.m.
	Number of 2-Wheelers as approved by competent authority:	nil
	Number of 4-Wheelers as approved by competent authority:	Rehab = 144 nos , Sale = 372 nos, total = 516Nos.
	Public Transport:	nil
	Width of all Internal roads (m):	6.00m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park –2.78Km
	Category as per schedule of EIA Notification sheet	shedule 8a, category B
	Court cases pending if any	NA
	Other Relevant Informations	The project was recommended 50 th SEAC-2 mtg as an item no. 30. dated 07-09-2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-07-2016

Brief information of the project by SEAC

SEIAA AGENDA-0000000008

Minutes of 50th SEAC-2 meeting:

Representative of PP, Boman Irani & Architect Manish Sawant were present during the meeting along with environmental consultant M/s EAEPL. PP informed that there is change in name of PP to M/s Keystone Realtors P L.

PP informed that they have received earlier EC vide letter dated 09/01/2015 for total construction area of 37,056.10 m2. PP informed that they have completed construction of rehab building admeasuring 5812.46 m2 as per EC. Sale building is yet not started. Further, PP stated that the project is being redeveloped under regulation 33(5) for which minimum entitlement of FSI for the project is 3.5 and there is no upper cap on consumption as floating FSI is permissible on plot of larger Rajendra Nagar Layout as per modified regulation dated 8.10.2013. Earlier project was appraised on FSI granted by MHADA, hence, approval was restricted to 2.5 only.

Committee noted the comparative changes due to proposed expansion/amendment.

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 7119.67 m2 & total construction area of the project is 57,348.92 m2. Committee noted that the project under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit HRC permission for proposed height of 117.70 m of sale building.

2. PP to submit copy of storm water drainage remarks.

3. PP to achieve 12% energy savings through renewable component & submit revised energy calculations indicating the same.

4. PP, if applicable, to obtain NOC from Wild Life Board in terms of OM of MoEF dated 30/03/2015. Further, it is informed that part of the project falls within 5 km of SGNP. PP & concerned Municipal Corporation to ensure the compliance of the NGT order dated 03/12/2015 in the application MA.No.125/2014 before issuing commencement certificate for further construction permissions in the area.

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

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA-AGENDA-0000008008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Envrionemental Clearance for Proposed SRA Scheme- "Bharat Ekta Co-op. Housing Society at CTS no. 7643(pt) & 4207(pt), Village- Kolekalyan, Tal. - Andheri, Bandra (East), Mumbai – 400 051 by M/s. Housing Development & Infrastructure Limited (HDIL)

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed SRA Scheme- "Bharat Ekta Co-op. Housing Society
2.Type of institution	Private
3.Name of Project Proponent	M/s. Housing Development & Infrastructure Limited (HDIL)
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS no. 7643(pt) & 4207(pt), Village- Kolekalyan, Tal. - Andheri, Bandra (East), Mumbai – 400 051
9.Taluka	Andheri
10.Village	Kolekalyan
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	LOI from SRA – SRA/ENG/2648/HE/MHADA/LOI dated 15th October, 2015.
	IOD/IOA/Concession/Plan Approval Number: LOI from SRA – SRA/ENG/2648/HE/MHADA/LOI dated 15th October, 2015.
	Approved Built-up Area: 14285.25
13.Note on the initiated work (If applicable)	No work has been initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from SRA – SRA/ENG/2648/HE/MHADA/LOI dated 15th October, 2015.
15.Total Plot Area (sq. m.)	4761.75
16.Deductions	1156.18
17.Net Plot area	3605.57
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14204.29
	b) Non FSI area (sq. m.): 11509.46
	c) Total BUA area (sq. m.): 25713.75
19.Total ground coverage (m2)	1098.36
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.46 %
21.Estimated cost of the project	916200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg. 1	Gr + 21st Part Floor	64.05
2	Rehab Bldg. 2	Stilt + 17th Floor	52.50
3	Sale Bldg.	3B + Gr. + 17th Floor	58.14

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23.Number of tenants and shops	Rehab: Residential : 225 nos. BWS: 8 Sale: Residential: 82 nos.
24.Number of expected residents / users	Rehab: Residential : 1125 nos. BWS: 16 Sale: Residential: 410 nos.
25.Tenant density per hectare	644.72 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)	Proposed 24.000 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	7.5 m
29.Existing structure (s) if any	Slum structures exist onsite which will be demolished for redevelopment.
30.Details of the demolition with disposal (If applicable)	The debris generated from demolition activity will be handed over to M.C.G.M. Only part of the debris will be reused as per M.C.G.M norms

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):	142
	Recycled water - Flushing (CMD):	71
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	216
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	92

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Wet season:	**Source of water**	MCGM/RWH
	Fresh water (CMD):	142
	Recycled water - Flushing (CMD):	71
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	213
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	95
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:**	0.8m - 1.5m below ground surface
	Size and no of RWH tank(s) and Quantity:	3 nos. of RWH tank with capacity of 63 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. 7 lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.3 lakhs/year
	Details of UGT tanks if any :	Domestic tank: 152 cum Flushing tank: 74 cum Fire fighting tank: 400 cum

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35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	0.5548 m3/sec
	Size of SWD:	450 mm wide Storm water channel
Sewage and Waste water	**Sewage generation in KLD:**	Rehab = 135 KLD, Sale =49.5 KLD, Total = 184.5 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Rehab= 135 KLD, Sale= 50 KLD, Total = 185 KLD
	Location & area of the STP:	Rehab: Below ground (Area: 120 sq.m) , Sale: Basement Level (Area: 50 sq.m)
	Budgetary allocation (Capital cost):	Rs. 36.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 9.3 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris material will be used for backfilling or site leveling purpose wherever required.
	Disposal of the construction waste debris:	Construction debris will be used for site leveling and temporary internal roads and remaining debris shall be disposed of by covered trucks to the authorized dumping sites.
Waste generation in the operation Phase:	**Dry waste:**	307 kg/day
	Wet waste:	461 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	9 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	Rehab: Ground level , Sale: 1st Basement
	Area for the storage of waste & other material:	Rehab: 38.5 sq.m , Sale: 26.5 sq.m
	Area for machinery:	Rehab: 1.5 sq.m, Sale: 1.5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.14.50 Lakhs
	O & M cost:	Rs. 0.86 Lakhs/Year
37.Effluent Charecterestics		

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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 :**	288.45 m2 (8 %)
	No of trees to be cut :	-
	Number of trees to be planted :	53 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyalthia longifolia	False Ashoka	5	Evergreen Tree
2	Anthocephallus cadamba	Kadamb	4	Flowering tree
3	Michelia champaka	Sonchapha	6	Flowering Plant

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4	Cassia fistula	Bahawa	4	Flowering Plant
5	Azardirachta indica	Neem	2	Medicinal tree
6	Thevetia peruviana	Peeli Kaner	10	Evergreen shrub
7	Plumbago zeylanica	White plumbago (Chitrak)	5	Flowering plant
8	Jasminum malabaricum	Kusar	8	Flowering plant
9	Passiflora edulis	Krushna kamal	10	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 :**	Reliance Energy
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	Rehab:1099 KW, Sale: 1410 KW
	During Operation phase (Demand load):	Rehab: 571.49 KW, Sale: 776.78 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	2 X 500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Hot water requirements met through Solar Panels
Use of LED Fittings (14 w) and Electronic ballasts instead of Fluorescent Light fittings (40w) and copper ballasts.
User to be recommended to use BEE FIVE star certified appiance and Airconditioners.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	21.89 %

50.Details of pollution control Systems

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

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 43.05 Lakhs
	O & M cost:	Rs.2.24 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for Dust Suppression	2.00
2	EHS	Site Sanitation	2.00
3	Environmental Monitoring	Environmental Monitoring	6.00
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	Rain Water Harvesting	7.00	0.3
2	Water Environment	STP	36.00	9.30
3	Energy	Solar System	43.05	2.24
4	Solid Waste Management	OWC	14.50	0.86
5	Land Environment	Landscaping	7.62	1.52

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:	Proposed 24 m Wide DP Road

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Parking details:	**Number and area of basement:**	3 Nos. (4445.43 sq.m.)
	Number and area of podia:	Nil
	Total Parking area:	4445.43 sq.m
	Area per car:	Basement: 32 sq.m
	Area per car:	Basement: 32 sq.m
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	93 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	As per Annexure-II of draft notification published by MOEFCC u/no. S.O.229 (E) dated 22/01/2016, the plot under reference falls outside proposed eco-sensitive zone.
	Category as per schedule of EIA Notification sheet	schedule 8(a), category B
	Court cases pending if any	NA
	Other Relevant Informations	The project was presented in 50th part B, item no. 71, and is recommended to SEIAA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-01-2016

Brief information of the project by SEAC

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50(B) SEAC-2 : Representative of PP, Gururaj Mirjee was present during the meeting along with environmental consultant M/s EAEPL. PP submitted LOI dated 15/10/2015 & IOA dated 07/07/2016.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 46th meeting of SEAC II. 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 4761.75 m2 & total construction area proposed in this meeting of the project is 25,713.75 m2. Committee noted that the project under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

Synopsis of reply submitted by PP for the compliance points raised during 46th SEAC II Meeting is noted by the Committee and taken on record.

DECISION OF SEAC

During discussion following points emerged:

1. 1. PP to submit air & noise monitoring at the time of construction phases. 2. 2. PP to restrict height of buildings to 52.295 meters only as per the NOC dated 28/04/2010 given by Airport Authority of India. 3. 3. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Environmental Clearance for Proposed project Shaikh Mishree SRA CHS (Prop). (SRA Project) at C.S. No.1/362 (pt), of Matunga Division at 18.30 mtr. Sheikh Mishree Road, Antop Hill, Wadala Mumbai

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Shaikh Mishree SRA CHS (Prop). (SRA Project)
2.Type of institution	Private
3.Name of Project Proponent	Mr. B.P.Singh from M/s. Omkar Realtors & Developers Pvt Ltd.
4.Name of Consultant	Mr. H.K. Desai from M/s. Enviro Analysts & Engineers Pvt Ltd
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C.S. No.1/362 (pt), of Matunga Division at 18.30 mtr. Sheikh Mishree Road, Antop Hill, Wadala Mumbai
9.Taluka	Mumbai
10.Village	Mumbai
11.Area of the project	MCGM (Mumbai Municipal Corporation)
12.IOD/IOA/Concession/Plan Approval Number	LOI from SRA – SRA/Eng/1308/GS/ML/LOI. Dtd. 23.02.2015
	IOD/IOA/Concession/Plan Approval Number: LOI from SRA – SRA/Eng/1308/GS/ML/LOI. Dtd. 23.02.2015
	Approved Built-up Area: 13393.05
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from SRA – SRA/Eng/1308/GS/ML/LOI. Dtd. 23.02.2015
15.Total Plot Area (sq. m.)	4464.35 sq.m
16.Deductions	83.87 sq.m
17.Net Plot area	4380.48 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13379.32 sq.m
	b) Non FSI area (sq. m.): 11563.95 sq.m
	c) Total BUA area (sq. m.): 24943.27
19.Total ground coverage (m2)	1038.07 sq.mt
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.69 %
21.Estimated cost of the project	540000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg	Gr + 22 floors	66.90

23.Number of tenants and shops	Residential: 426 R/C: 01 Shops: 41 Nos. BWS Unit: 14 Nos.
24.Number of expected residents / users	2549 nos.

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25.Tenant density per hectare	1120 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)	18.30 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5
29.Existing structure (s) if any	Existing slums
30.Details of the demolition with disposal (If applicable)	Demolition waste shall be disposed as per the debris management plan

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):	200
	Recycled water - Flushing (CMD):	111
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	320
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	150

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Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	200
	Recycled water - Flushing (CMD):	111
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	311
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	159
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:**	1.5m – 3.0m BGL
	Size and no of RWH tank(s) and Quantity:	2 Tanks of 46 cum & 15 cum • Rainwater harvesting tanks of 2 day storage capacity proposed
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 9.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.8 Lakhs/Annum
	Details of UGT tanks if any :	Domestic tank: 200 cum Flushing tank: 106 cum Fire tank : 300 cum

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35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	0.473 m3/sec.
	Size of SWD:	450mm
Sewage and Waste water	**Sewage generation in KLD:**	286
	STP technology:	MBBR
	Capacity of STP (CMD):	300
	Location & area of the STP:	below ground
	Budgetary allocation (Capital cost):	Rs. 48 Lakhs
	Budgetary allocation (O & M cost):	Rs. 11 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris material will be used for backfilling or site leveling purpose.
	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:**	431 kg/day
	Wet waste:	662.5 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	40 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	40 sq.m
	Area for machinery:	20 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakhs
	O & M cost:	Rs. 3.00 Lakhs/Annum

37.Effluent Charecterestics

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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 :**	355.35
	No of trees to be cut :	-
	Number of trees to be planted :	-
	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	Michelia champaca	Sonchapha	02	Flowering plant
2	Erythrina indica	Pangara	05	Flowering tree
3	Putranjiva roxburbhi	Putranjiva	03	Evergreen tree

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4	Lagerstroemia flosregineae	Tamhan	04	Ornamental Tree
5	Cassia fistula	Bahawa	06	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 :**	BEST
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	405 KW
	During Operation phase (Demand load):	390 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 X 630 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

By using LED lights
VFD lights and high efficient pumps for plumbing & STP
External lighting on solar system
Use of combination of LED along with BEE rated 5 star equipment's like fan, AC, gyser etc

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Overall savings : 22 %	Total Overall savings : 22 %
2	Savings from renewable energy : 14%	Savings from renewable energy : 14%

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. 43.05 lakh
	O & M cost:	Rs. 2.24 lakh/annum

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Air & dust supression	2
2	EHS	Site sanitation	2
3	Environmental monitoring	Environmental monitoring	6
4	EHS	Disinfection	1.5
5	EHS	health inspection	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	15.00	3.00
2	Water environment	STP	48.00	11.00
3	Energy	Solar system	43.50	2.24
4	Water environment	RWH	9.00	0.80
5	Land environment	landscaping	45.00	1.8

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of 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:	18.30 m wide DP road

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2923.88 sq.mt
	Area per car:	23 sq.mt
	Area per car:	23 sq.mt
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	67
	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	As per Annexure-II of draft notification published by MOEFCC u/no. S.O.229 (E) dated 22/01/2016, the plot under reference falls outside proposed eco-sensitive zone.
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category B
	Court cases pending if any	NA
	Other Relevant Informations	The project was presented in 50th (Part B) SEAC II meeting, Item No. 302 and is recommended to SEIAA.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

Brief information of the project by SEAC

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50(B) SEAC-2 :Representative of PP, Gururaj Mirjee & Architect Sachi Daka were present during the meeting along with environmental consultant M/s EAEPL.

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 4464 m2 & total construction area proposed in this meeting of the project is 24,943.27 m2. Committee noted that the project under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. 1. PP to relocate STP to enable more ventilation. 2. 2. PP to indicate RG area in area statement and submit revised area statement. 3. 3. Internal storm water drainage system should be integrated with the outside drainage pattern and submit details indicating the same. PP to submit storm water drainage calculations. 4. 4. Entry & Exit Gate should be widened to 12 m road width. 5. 5. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013. 6.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Environmental Clearance for Proposed SRA project of "Anandnagar SRA CHS Ltd" at C.S. No.195(pt.), 196(pt.), 197(pt.), 200(pt.), 201(pt), 1/204, 2/204, 205(pt) & 207(pt) of Salt Pan division, Antop Hill, Wadala, Mumbai 400 037. For F/ North Ward, For "Anand nagar SRA CHS Ltd." PP has proposed to redevelop the project under 33(10) of the DCR of MCGM.

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Proposed SRA project of "Anandnagar SRA CHS Ltd"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajesh Patil from M/s. Surana Developers (Wadala) LLP
4.Name of Consultant	Mr. H.K. Desai from M/s Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	1. EC letter SEAC-2013/CR.234/TC-1 dtd.26th June, 2013
8.Location of the project	C.S. No.195(pt.), 196(pt.), 197(pt.), 200(pt.), 201(pt), 1/204, 2/204, 205(pt) & 207(pt) of Salt Pan division, Antop Hill, Wadala, Mumbai 400 037. For F/ North Ward, For "Anand nagar SRA CHS Ltd." PP has proposed to redevelop the project under 33(10) of the DCR of MCGM.
9.Taluka	Mumbai
10.Village	Mumbai
11.Area of the project	MCGM (Mumbai Municipal Corporation)
12.IOD/IOA/Concession/Plan Approval Number	LOI from SRA – SRA/Eng/2290/FN/STGL/LOI. Dtd. 22nd October, 2014
	IOD/IOA/Concession/Plan Approval Number: LOI from SRA – SRA/Eng/2290/FN/STGL/LOI. Dtd. 22nd October, 2014
	Approved Built-up Area: 16639.74
13.Note on the initiated work (If applicable)	Part Slums have been demolished
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from SRA – SRA/Eng/2290/FN/STGL/LOI. Dtd. 22nd October, 2014
15.Total Plot Area (sq. m.)	8099.48 sq.m
16.Deductions	2590 sq.m
17.Net Plot area	5509.48 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16493.72
	b) Non FSI area (sq. m.): 14391.41
	c) Total BUA area (sq. m.): 30885.13
19.Total ground coverage (m2)	1834.05
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33%
21.Estimated cost of the project	720000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building 1	Gr. + 14th (pt) Floor	44.10
2	Composite Building 2	Gr. + 23rd Floor	69.75

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23.Number of tenants and shops	Rehab: Residential: 133 nos. Commercial:5 nos. PAP: 129 nos. BWS: 8 nos. Composite building: Residential: 213 nos. PAP:10 nos. However environmental infrastructure is planned as per population of Rehab: Residential: 558, Commercial: 10, R/C: 1 Sale: Residential:52
24.Number of expected residents / users	Rehab Building 1: Residential: 1960 Nos. Commercial: 30 Nos. Composite Building 2: Residential: 1095 Nos.
25.Tenant density per hectare	500/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)	Proposed 27.45 m Wide DP Road and 18.30 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.00 m
29.Existing structure (s) if any	Part Slums have been demolished.
30.Details of the demolition with disposal (If applicable)	Demolition waste shall be disposed as per the debris management plan

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	276
	Recycled water - Flushing (CMD):	138
	Recycled water - Gardening (CMD):	11
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	414 (Fresh water + Flushing)
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	247
Wet season:	**Source of water**	MCGM + RWH
	Fresh water (CMD):	276
	Recycled water - Flushing (CMD):	138
	Recycled water - Gardening (CMD):	5.2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	414 (Fresh water + Flushing)
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	252
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 m to 3 m
	Size and no of RWH tank(s) and Quantity:	Rehab Building 1: 56 m3 - Composite Building 2: 30 m3
	Location of the RWH tank(s):	Rehab Building 1: Below Ground - Composite Building 2: Ground level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 09 lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.8 lakhs/year
	Details of UGT tanks if any :	Domestic tank: 280 cum Flushing tank: 140 cum Fire fighting: 400 cum
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	0.098 m3/sec.
	Size of SWD:	450 mm wide Storm water channel
Sewage and Waste water	**Sewage generation in KLD:**	386 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	400 KLD
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 43.05 Lakhs
	Budgetary allocation (O & M cost):	Rs, 2.24 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris material will be used for backfilling or site leveling purpose.
	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:**	613 kg/day
	Wet waste:	922 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	To be managed through recyclers.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	59.45 sq.m
	Area for machinery:	5.54 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.50 Lakhs
	O & M cost:	Rs.2.5 Lakhs/Year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

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43.Green Belt Development	**Total RG area :**	1101.95 m2 (13.34 %)
	No of trees to be cut :	NIL
	Number of trees to be planted :	55
	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	Michelia champaca	Sonchapha	12	Flowering tree
2	Erythrina indica	Pangara	08	
3	Putranjiva roxburbhi	Putranjiva	11	
4	Lagerstroemia flosregineae	Tamhan	05	
5	Cassia fistula	Bahawa	19	
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 :**	BEST
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	Rehab Building 1: 1245 KW, Composite Building 2: 800KW
	During Operation phase (Demand load):	Rehab Building 1: 691 KW, Composite Building 2: 423KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Rehab Building 1: 1x400 kVA , Composite Building 2: 1x320 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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Solar Lighting for Staircase & Lobby Lighting
Solar Hot Water
Saving in lift by using VFD
LED Light for Street Lighting
CFL /T5 Light for Staircase & Lobby Lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	OVERALL SAVING: 20 %	OVERALL SAVING: 20 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 43.05 Lakhs
	O & M cost:	Rs. 2.24 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for Dust Suppression	2.00
2	EHS	Site Sanitation	2.00
3	Environmental Monitoring	Environmental Monitoring	6.00
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	STP	60.00	15.00
2	Water Environment	RWH	9.00	0.8
3	Energy Saving System	Solar System	43.05	2.24
4	Solid Waste Management	OWC	50.00	2.50
5	Land Environnment	Landscaping	29.00	5.70

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

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

52.Any Other Information

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No Information Available		
53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Proposed 27.45 m Wide DP Road and 18.30 m wide DP road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2645.64 sq.m
	Area per car:	26 sq.m
	Area per car:	26 sq.m
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	100 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 (13.14 km). As per Annexure-II of draft notification published by MOEFCC u/no. S.O.229 (E) dated 22/01/2016, the plot under reference falls outside proposed eco-sensitive zone.
	Category as per schedule of EIA Notification sheet	Schedule 8(a), Category B
	Court cases pending if any	NA
	Other Relevant Informations	The project was presented in 50th (part A), Item No. 36 and was recommended to SEIAA.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	02-08-2016

Brief information of the project by SEAC

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50(A) SEAC-2:Representative of PP, Gururaj Mirjee were present during the meeting along with environmental consultant M/s EAEPL. PP informed that they have received earlier EC vide letter dated 26/06/2013 for total construction area of 50,165.48 m2. PP informed that they have not initiated construction as per EC. Further, PP stated that there is change in building profile. Committee noted comparative changes due to proposed expansion/amendment.

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 8099.48 m2 & total construction area of the project is 30,885.13 m2. Committee noted that the project under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

During discussion following points emerged:

1. 1. PP to submit demolition & debris disposal /waste management plan. 2. 2. PP to ensure that BOD of the treated water should be 5 mg/lit. 3. 3. PP has provided stack parking for rehab component. PP to provide alternate mode of parking instead of stack parking and submit revised details. 4. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

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SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Expansion of Residential, Retail, IT & Commercial project" By M/s. Larsen & Toubro Realty Ltd. (Appraised in 50th B SEAC II and Recommended to SEIAA)

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Expansion of Residential, Retail, IT & Commercial project"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Larsen & Toubro Realty Ltd.
4.Name of Consultant	M/s. Enviro Analysts and Engineers Private Limited.
5.Type of project	Residential, Retail, IT & Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	yes. Previous EC dated on 6th September 2014
8.Location of the project	CTS. Nos. 117A, 117A/1, & 117B & 117C Village Tungwa, Saki Vihar Road, Powai, Mumbai – 400 072
9.Taluka	Kurla
10.Village	Tungwa
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD by MCGM
	IOD/IOA/Concession/Plan Approval Number: NO.CE/4407/BPES/AL
	Approved Built-up Area: 139916.62
13.Note on the initiated work (If applicable)	The construction work done so far T1 T2 T3 – construction completed and OC received. T4 T5 T6 – construction completed upto 23 floors T7 – construction completed upto 20 floors T8- construction completed upto 17 floors
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,46,679.50 Sq.m.
16.Deductions	Deduction for D.P. Road/Set back - 16906.38Sq.m., Plot Bifurcation: Residential plot: Balance Plot Area (1-2) -86,719.13 Sq.m, Deduction for R.G if applicable - 7,771.91Sq.m ,Deduction for Amenity space -9,000.00 Sq.m , INDUSTRIAL PLOT: Balance Plot Area (1-2) -43,053.99 Sq.m,Deduction for R.G if applicable -2500 Sq.m,Deduction for Amenity space - 2,152.65 Sq.m
17.Net Plot area	FOR RESIDETIAL PLOT- 69,947.22 Sq.m, FOR INDUSTRIAL PLOT- 38,553..99 Sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Permissible FSI area - 2,41,680.77 Sq.m (0.33 FSI & TDR on Net plot area) , Proposed FSI - 2, 91,090.21 Sq.m.
	b) Non FSI area (sq. m.): 2,94,830.96 Sq.m.
	c) Total BUA area (sq. m.): 5,85,921.16 Sq.m.
19.Total ground coverage (m2)	67472.34
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Ground coverage - 46%
21.Estimated cost of the project	7500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Tower no.1- OC received	2 podiums/ part basement + Stilt + 18Upper Floors + Part 19th Floor	77.65
2	Residential Tower no.2 –OC received	3 podiums/ part basement + Stilt + 23Upper Floors	84.45

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3	Residential Tower no.3 - OC received	3 podiums/ part basement + Stilt + 23Upper Floors	84.45
4	Residential Tower No.4	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
5	Residential Tower no.5	3 podiums/ part basement + Stilt + 24 Upper Floors	84.45
6	Residential Tower no.6	3 podiums/ part basement + Stilt + 24 Upper Floors	84.15
7	Residential Tower no.7	3 podiums/ part basement + Stilt + 25 Upper Floors	87.55
8	Residential Tower no.8	3 podiums/ part basement + Stilt + 25 Upper Floors	86.94
9	Residential Tower no.9,10,15,16	Gr+3 podiums/ part basement + Stilt + 27 Upper Floors	T9:89.40, T10:92.70, T15 and T16: 96.00
10	Residential Tower no. 12 ,13	Gr+ 3 podiums/ part basement + Stilt + 1 Upper Floors	16.20
11	Residential Tower no. 11	Gr+ 3 podiums/ part basement + Stilt + 18 Upper Floors	67.20
12	Residential Tower no. 14	Gr+ 3 podiums/ part basement + Stilt + 20 Upper Floors	72.00
13	IT building no 9(TC-III)-OC received	2B +Ground + 7 upper Floors	37.95
14	IT building no 10(TC-IV)	2B +Ground + 11 upper Floors	53.98
15	Health and Welfare center	Ground + 6 upper floors	28.2

23.Number of tenants and shops	1863 No's -Residential
24.Number of expected residents / users	Residential- 9315 No’s. Commercial-4414 No’s Health and Welfare Centre -100 No’s(fixed),530 No’s (floating)
25.Tenant density per hectare	127.6 Tenements/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 m wide JVLR road 27.0 m wide Saki Vihar road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	>7.5 m
29.Existing structure (s) if any	Yes
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)

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1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	MCGM / Recycled water
	Fresh water (CMD):	973
	Recycled water - Flushing (CMD):	535
	Recycled water - Gardening (CMD):	132
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	1640
	Fire fighting - Underground water tank(CMD):	T2 - T8= 800 Cum, T9 - T16= 600 Cum
	Fire fighting - Overhead water tank(CMD):	50,000 Liters Fire OHT for each Tower
	Excess treated water	0
Wet season:	**Source of water**	MCGM / Recycled water
	Fresh water (CMD):	973
	Recycled water - Flushing (CMD):	535
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	1508
	Fire fighting - Underground water tank(CMD):	T2 - t8=800 Cum
	Fire fighting - Overhead water tank(CMD):	50,000 Liters Fire OHT for each Tower
	Excess treated water	132
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.5m to 17.0m
	Size and no of RWH tank(s) and Quantity:	• Tower T09,T10,T11 & T12: 156 Cum • Tower T13,T14,T15 & T16: 156 Cum. Phase I- 116 Cum. TC IV- 52 Cum
	Location of the RWH tank(s):	For T9 to T16 - 21.0M.LVL. & 24.13 M.LVL For T2 to T8 - 24.3M.LVL. For TCIV- 22.95M.LVL.
	Quantity of recharge pits:	Health and Welfare Center- 2 nos. of pits , Phase II - 8 Nos, TCIV- 5 Nos, Phase I - 6 Nos
	Size of recharge pits :	phase 2 - 3m x3m x 3m depth with 160mm dia. perforated pipe up to 5m depth. , Phase I- 3.5m x3.5m x4m depth with 160mm dia. perforated pipe up to 5m depth, Health Care center- 3m x3m x 3m depth with 160mm dia. perforated pipe up to 5m depth. , TC IV- 2m x1.5m x1.5m depth with 160mm dia. perforated pipe up to 5m depth.
	Budgetary allocation (Capital cost) :	Rs. 25lakhs
	Budgetary allocation (O & M cost) :	Rs.2.5lakhs/yr
	Details of UGT tanks if any :	For T9 to T16 – On Lower Ground Health and Welfare center- On Ground For TC IV- Basement For T2-T8-On Lower Podium level
35.Storm water drainage	**Natural water drainage pattern:**	Total storm water runoff to the Municipality storm water network
	Quantity of storm water:	For Building No.T9 to T16 = 0.72 Cum/Sec For Health and Welfare center= 0.052Cum/Sec For TC IV = 0.059 Cum/Sec For T2-T8- 0.69 Cum/Sec
	Size of SWD:	MCGM External Drain size: 1.2 m width X 1.5m depth
Sewage and Waste water	**Sewage generation in KLD:**	1330 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Capacity of STP – 8 Nos. of STP total to 1392 KLD Tower 1 & 2 :100 KLD Tower 3, 4 & 5 :260 KLD Tower 6, 7 & 8 :170 KLD T9, T10, T13-T16: 605 KLD T11-T12: 87 KLD TC-III:-60KLD TC-IV:-80KLD Total: 60+80 :140 KLD Health and Welfare Center :30 KLD
	Location & area of the STP:	On Ground (T9-T16,Health and Welfare center)and in lower podium (T2-T8), basement (TC-IV)
	Budgetary allocation (Capital cost):	Rs.225 lakhs
	Budgetary allocation (O & M cost):	Rs55 lakhs/yr.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Pre-construction Phase: Waste generated during construction will be reused as per the requirement and rest will be send to recyclers and scrap dealers for final disposal. Quantity of the top soil to be preserved:- Excavation proposed on site. = 1,35,000 Cu. Mt Quantity to be used in project site for back filling = 25,000Cu.Mt. Rest shall be send to the landfill sites.
	Disposal of the construction waste debris:	Waste generated during construction will be reused as per the requirement and rest will be send to recyclers and scrap dealers for final disposal.

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Waste generation in the operation Phase:	**Dry waste:**	2105 kg/day
	Wet waste:	2743 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Quantity of Biomedical waste Lab – 10 - 15 Kg/month Operation Theatre– 25 - 35 Kg/month AKD – 70 - 75 Kg/month OTHER AREAS – (OPD, Emergency, Post Operative Dressings, etc)– 5 - 10 Kg Total Waste= 110 - 135 Kg/month Biomedical waste 1.Non Hazardous waste:115 kg/day 2.Hazardous but not toxic:14 kg/day 3.Toxic:7 kg/day
	STP Sludge (Dry sludge):	150 kg
	Others if any:	e WASTE- 1692 kg/year
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling and disposal
	Wet waste:	Will be converted to compost using Organic Waste Composter [OWC].
	Hazardous waste:	--
	Biomedical waste (If applicable):	Will be segregated as per Biomedical Waste Management and Handling Rule 1998 (amended in 2016)and handed over to Common Bio-medical Waste Treatment Facilities.
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	• E waste generated will be managed as per E Waste Management Rules, 2016. It will be handed over to authorized vendor.
Area requirement:	**Location(s):**	Below ramp and Ground
	Area for the storage of waste & other material:	Bins required for Residential complex Bins required Bin Size : 240 Litre capacity Biodegradable- 3no's each building Non biodegradable-3 no's each building Domestic hazardous waste-1 no's each building Total no of bins: 56 no's Total area for bins with 2ft space = 21.5 Sq mts
	Area for machinery:	1 tonne capacity of OWC for T1-T8 building –Area:220 Sq.m. 1.5 tonne capacity of OWC for T9-T16-Area:177 Sq.m, 120 Kg capacity for TC-IV-Area:40 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 53Lakhs
	O & M cost:	Rs.8Lakhs/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

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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 :**	Total RG required for the project - 21,065 Sq.m, Total RG provided excluding AOS - 40,538.06 Sq.m, Total RG provided including AOS : 49,538.06 Sq.m
	No of trees to be cut :	30 No's.
	Number of trees to be planted :	256 No's.
	List of proposed native trees :	ENCLOSED AS FOLLOWS
	Timeline for completion of plantation :	TILL 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	Cassia Fistula	Golden Rain Tree	15	Ornamental tree
2	Azadirachcta Indica	Neem	8	Noise reduction dust and smoke
3	Madhuca Indica	Mahua	20	Noise reduction, dust and smoke
4	Michellia Champaca	Champak	10	Shade givers, scented flowers
5	Tabebuia Rosea	Pink Trumpet Tree	20	Ornamental tree
6	Spathodea Campanuluta	African Tulip Tree	10	Ornamental tree
7	Melia Azadirachcta	China Berry Tree	9	Noise reduction dust and smoke
8	Mesua Ferrea	Cobra Saffron	18	Medicinal use
9	Dispyros Malabarica	Malabar Ebony	24	Medicinal use
10	Anthocephalus Kadamba	Kadam	7	Dust and smoke Noise reduction
11	Terminalia Arjuna	Arjun Tree	11	Noise Reduction, Dust and Smoke
12	Tamarindus Indica	Tamarind	9	Medicinal use
13	Peltoforum Ferrogineum	Copper Pod	11	Shade and ornamental value
14	Areca Catechu	Palm	68	Medicinal use
45.Total quantity of plants on ground				

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

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Serial Number	Name	C/C Distance	Area m2
1	Acalypha rosea	300	3.3
2	Agave americana	500	48.2
3	Allamanda schottii Nana	300	12.4
4	Alpinia purpurata	400	55.1
5	Alpinia zerumbet	400	31.8
6	Asplenium nidus	400	37.2
7	Bambusa vulgaris	1000	66.2
8	Barleria cristata Rosea	400	60.2
9	Breynia nivosa Nana	300	94.2
10	Crinum lily	300	44.6
11	Costus woodsonii	300	22.6
12	Cyperus alternifolius	400	20.2
13	Dracaena mahatma	500	28.7
14	Galphimia glauca	400	40.2
15	Gardenia jasminoides	400	139.7
16	Gardenia jasminoides Veitchii	300	61.7
17	Heliconia psittacorum 'Fire Flash'	400	36.5
18	Ixora duffi Red	400	11.2
19	Ixora lutea	400	13.7
20	Jasminum multiflorum	300	57.5
21	Lemonia spectabilis Variegata	300	60.6
22	Lantana camara 'Hybrida'	300	184.3
23	Murraya exotica	400	46.4
24	Nerium oleander 'Pink'	500	79.1
25	Pachystachys lutea	300	69.3
26	Phyllanthus myrtifolius	200	184.6
27	Plumbago ovata	300	10.6
28	Ruellia brittoniana	300	83.6
29	Russellia equisetiformis	300	20.33
30	Sansevieria trifasciata	300	49.7
31	Schefflera arboricola 'Green'	300	3.7
32	Spathiphyllum cupido	300	13.6
33	Syzygium campanulatum	400	20.4
34	Tabernaemontana divaricata 'Dwarf'	300	83.7
35	Tecomaria capensis	400	85.8
36	Tecoma gaudi-chaudi	500	67.3
37	Acorus calamus	300	31.9
38	Adhatoda vasica	400	30.9
39	Aloe vera	400	30
40	Coleus aromaticus	200	59.1

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41	Cymbopogon floxosus	400	47
42	Ocimum basilicum	400	45.9
43	Ocimum sanctum	400	34.8
44	Pandanus amaryllifolius	300	60.3
45	Piper betle	200	23
46	Piper nigrum	200	28.5

47.Energy

Power requirement:	**Source of power supply :**	Tata power
	During Construction Phase: (Demand Load)	DEMAND LOAD- 300KW
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	Total Connected Load = 45552KW
	During Operation phase (Demand load):	Total Demand Load= 22686KW
	Transformer:	CSS-1 @ 21.0M lvl. & CSS-2 @ 24.0M lvl. by supply company TATA Power
	DG set as Power back-up during operation phase:	6X750kVA&1X1500kVA
	Fuel used:	LSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

The project is designed to be energy efficient and special care has been taken in the planning stage to ensure an efficient system. The salient features in the design and planning of the project aimed at energy conservation are:

Energy efficient fluorescent tube lights, CFL & LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less number of fixtures and corresponding lower point wiring costs.
All fluorescent light fixtures will be specified to

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As per ECBC Code Requirements % savings considering on Total common area load	18%
2	% Energy savings due to Solar PV on Terrace on Total Common area load	14.9 %
3	Total Energy Saving in% ON COMMON AREA	33 %

50.Details of pollution control Systems

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

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 191lakhs
	O & M cost:	Rs.20.4 lakhs/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 Environment	Water Sprinkling, Green Belt Development, Covered storage area	12
2	Noise Environment	Noise Barricades and Green Belt Developments	6
3	Water Environment	Septic tank soak pits, Drainage with sedimentation tanks	6
4	Good Health Practices	Site Sanitation & Health Care	4
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain water harvesting	25	2.5
2	Land Environment	MSW	53	8
3	Water Environment	STP	225	55
4	Land Environment	Landscaping	162	24
5	Energy Saving	Energy System including Solar PV on terrace	164	16.4
6	Risk Assessment	DMP	3355	33.55

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	Saki Vihar Road and JVLR
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	6, 91, 296.69 SQ.FT, Gr. + 3 part podium/basement + landscape level (Only for expansion- T9 to T16)
	Total Parking area:	6, 91, 296.69 SQ.FT, Gr. + 3 part podium/basement + landscape level (Only for expansion- T9 to T16)
	Area per car:	32 Sq.m/car (Only for Expansion)
	Area per car:	32 Sq.m/car (Only for Expansion)
	Number of 2-Wheelers as approved by competent authority:	875 Nos (Total Project)
	Number of 4-Wheelers as approved by competent authority:	4019 Nos (total Project)
	Public Transport:	Not Applicable. However BEST Bus Stops, Central Railway Line (Kanjur Marg Station) are in the 2 Km area vicinity
	Width of all Internal roads (m):	Min 9 m wide drive ways
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA. Out of SGNP boundary and buffer area 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	Project was appraised in 50th B SEAC II and was recommended to SEIAA .
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	13-02-2016

Brief information of the project by SEAC

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50(B) SEAC-2 Representative of PP, Himesh Patel & Architect Shashi Jadhav were present during the meeting along with environmental consultant M/s EAEPL. Member, Hiten Sethi recused himself from the meeting for this item.

PP informed that they have received earlier EC vide letter dated 04/02/2013 which is amended on 06/09/2014 for the total construction area of 3,52,747.77 m2. PP informed that project is for vertical expansion of the existing projects. Committee noted comparative changes due to proposed expansion/amendment.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 47th meeting of SEAC II in which ToR was approved. PP submitted EIA report. 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 1,46,679.50 m2 & total construction area proposed in this meeting of the project is 5,85,921.16 m2. Committee noted that the project under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

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DECISION OF SEAC

During discussion following points emerged:

1. PP informed that entire treated water should be reused / recycled in the project itself to ensure the zero discharge outside the project boundary. PP to submit details accordingly. 2. Slope of the internal ramp should be 1:12 and slope of Ramp at the entry and exit point should be 1:17. PP to ensure the same. 3. PP to ensure that rain water harvesting – 2 days storage capacity. 4. PP informed that they have received HRC NOC for T-1 to T-8 buildings only. PP to submit HRC permissions. 5. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

Approved

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Amendment/Expansion in Residential cum Commercial Project with SRA Scheme and MCGM Parking Lot

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Amendment/Expansion in Residential cum Commercial Project with SRA Scheme and MCGM Parking Lot (Earlier EC Received Vide No. SEAC-2009/CR.174/TC.2 EC amended on 01.12.2014, 24.03.2015 and vide No. SEIAA-2015/CR-71/TC 3 dated 13.10.15 dt. 20.05.2010
2.Type of institution	Private
3.Name of Project Proponent	B. P. Singh
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	SRA Scheme - Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment / Expansion in Residential cum Commercial Project with SRA Scheme and MCGM Parking Lot
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Obtained Prior Environmental clearance vide letter No. SEAC-2009/CR. 174/TC.2 dt. 20.05. 2010, EC amended on 01.12.2014, 24.03.2015 and vide No. SEIAA-2015/CR-71/TC 3 dated 13.10.15
8.Location of the project	On plot bearing C.S. Nos. 286(pt), 793(pt), 913, 1/914, 3/914 & 1629(pt) & 6/1629 of Lower Parel Division, Pandurang Bhudhkar Marg, Worli, clubbed with adjoining non-slum plot including public parking bearing C.S Nos. 1/913, 1A /913, 914, 2/914, 4/914 ,915 and 7E/1629 (Crest Scheme plot no. 250 B) under Clause 7.7 of Appendix IV of DCR 33(10) for â??Mahalaxmi SRA CHS Ltd.â?? Mumbai in G/S Ward and clubbed schemes of Proposed Slum Rehabilitation Scheme on plot bearing C.S.No. 200(pt), 201, 3/159(
9.Taluka	Mumbai
10.Village	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	LOI No. SRA/ENG/1308/GS/ML/LOI dt. 23.02.2015
	IOD/IOA/Concession/Plan Approval Number: LOI No. SRA/ENG/1308/GS/ML/LOI dt. 23.02.2015
	Approved Built-up Area: 145675.76
13.Note on the initiated work (If applicable)	Work has been initiated as per Prior Environmental clearance received vide letter No. SEAC-2009/CR. 174/TC.2 dt. 20.05. 2010, EC amended on 01.12.2014, 24.03.2015 and vide No. SEIAA-2015/CR-71/TC 3 dated 13.10.15) As of today we have constructed 394257.68 m2 area
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI No. SRA/ENG/1308/GS/ML/LOI dt. 23.02.2015
15.Total Plot Area (sq. m.)	37,674.29 m2
16.Deductions	12,957.94 m2
17.Net Plot area	24,716.35 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,45,660.76m2
	b) Non FSI area (sq. m.): 4,40,762.95 m2
	c) Total BUA area (sq. m.): 5,86,423.71m2
19.Total ground coverage (m2)	12976.68 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52.50 %
21.Estimated cost of the project	18786700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

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1	Sale Building: Tower 1	3B + G + 10 P (Parking Floor) + 1 Mech Flr + 1 Mech Mezz Flr + 2 Amenity Flr + 1 Fire Check Floor + 16th to 81st habitable floors (including 3 fire chk floors + 7 Mech Floors)	293.91 m
2	Sale Building: Tower 2	3B + G + 10 P (Parking Floor) + 1 Mech Flr + 1 Mech Mezz Flr + 2 Amenity Flr + 1 Fire Check Floor + 16th to 81st habitable floors (including 3 Fire Check Floors + 4 Mech Floors + 2 Mech Mezzanine Floors)	315.67 m
3	Sale Building: Tower 3	3B + G + 10P (Parking Floor) + 1 Mech Floor + 1 Mech Mezz Flr + 2 Amenity Flr. + 1 Fire Check Floor + 16th to 76th habitable floors (including 3 Fire Check Floors + 6 Mech Floors + 1 Mech Mezzanine floor +1 Amenity floor)	298.16 m
4	-	(Public Parking Lot 2: 1st & 2nd basement + 1st and 2nd Podiums)	-
5	Rehab Building: Wing B	3 basement + G + 4 podiums + 5th to 30th Floors (Public Parking Lot 1: 3 basements + Ground + 4 Podiums)	92.10 m
6	Rehab Building: Wing C to I	G + 23 Floors	69.95 m

23.Number of tenants and shops	Rehab: 1380 Nos.; Shops: 130 Nos. BWS Units: 48 Nos. R/C: 25 Nos. Amenities: 9 Nos., Temple: 4 Nos., UNM: 1 No. Sale: 495 Nos.
24.Number of expected residents / users	10090 Nos.
25.Tenant density per hectare	507 Tenement/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)	24.4 meter Pandurang Budhkar Marg
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Slums demolition were carried out as per MCGM NOC

31.Production Details

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

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1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	871 KLD
	Recycled water - Flushing (CMD):	803 KLD (Flushing + HVAC Make up)
	Recycled water - Gardening (CMD):	14 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1310 (Domestic + Flushing)
	Fire fighting - Underground water tank(CMD):	As per the NBC
	Fire fighting - Overhead water tank(CMD):	As per the NBC
	Excess treated water	307 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	697 KLD
	Recycled water - Flushing (CMD):	803 KLD (Flushing + HVAC)
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1310 (Domestic + Flushing)
	Fire fighting - Underground water tank(CMD):	As per the NBC
	Fire fighting - Overhead water tank(CMD):	As per the NBC
	Excess treated water	321 KLD
Details of Swimming pool (If any)	Nil	

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 to 4 m
	Size and no of RWH tank(s) and Quantity:	Total RWH tank capacity: 215 m3
	Location of the RWH tank(s):	Ground Level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	42 Lakhs
	Budgetary allocation (O & M cost) :	3 Lakhs
	Details of UGT tanks if any :	UG Tanks are provided at Basement Level
35.Storm water drainage	**Natural water drainage pattern:**	Towards road side
	Quantity of storm water:	0.77 m3/sec
	Size of SWD:	600 mm, 1500 x 1500 mm SWD
Sewage and Waste water	**Sewage generation in KLD:**	1135 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP. Sale: 350 KLD, Rehab: 850 KLD
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	292 Lakhs
	Budgetary allocation (O & M cost):	70 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 17028 m3
	Disposal of the construction waste debris:	The construction debris will be disposed as per the â??Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	1947.2 kg/day
	Wet waste:	2920.8 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11 KLD
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	160 Sq.m
	Area for machinery:	100 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	90 Lakhs
	O & M cost:	25 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

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43.Green Belt Development	**Total RG area :**	1975.62 m2
	No of trees to be cut :	-- Tree NOC dated 09.01.2012
	Number of trees to be planted :	140 Nos.
	List of proposed native trees :	Trees to be Planted are given below
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahava	17	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	Mimusops elengi	Bakul	19	Shady tree, small white fragrant flowers
3	Nyctanthes arbor-tristis	Parijatak	16	Small deciduous fast growing tree, beautiful flowrers
4	Lagerstroemia flos-regineae	Tamhan	14	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Murraya paniculata	Kunti	16	Small tree, Fragrant white flowers, Butterfly host plant
6	Saraca asoka	Sita Ashok	17	Shady tree with red-yellow flowers
7	Bombax ceiba	Katesawar	11	Large tree, red flowers.
8	Michelia champaca	Son chafa	14	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Putranjiva roxburghii	Putranjiva	16	Medium sized evergreen tree
10	TOTAL	--	120	--
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	Palm, Date Palm, Japanese Cheesewood, Dwarf Umbrella Tree, The Lady Palm, Ponytail Palm/Elephantâ??s Foot, Asian Bamboo, Peace Lily Plant, Singapore Plumeria, Queen Palm Ficus Alii, Kentia Palm, Black Grass	--	--

47.Energy

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Power requirement:	**Source of power supply :**	TATA
	During Construction Phase: (Demand Load)	1000 kVA
	DG set as Power back-up during construction phase	1000 kVA
	During Operation phase (Connected load):	26.2 MW
	During Operation phase (Demand load):	21 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Capacity of DG Set provided to Rehab will be 630 kVA and Sale: 2 x 2500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

â?¢ Solar lighting in common areas, garden and road
â?¢ Solar hot water for residential buildings
â?¢ Solar street lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	â?¢ Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement â?¢ Use of AC and faÃ§ade system to reduce heat gain and power consumption â?¢ Use of low-e glass to reduce power requirement â?¢ Large central atriums for natural cross-ventilation â?¢ Solar lighting in common areas, garden and road â?¢ Solar hot water for residential buildings â?¢ Solar street lights â?¢ Energy efficient lighting fixtures (LED lights) to all buildings	16% through Renewable Energy

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:**	60 Lakhs
	O & M cost:	3 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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1	Water spray for dust suppression	-	5
2	Site sanitation and Potable Water Supply to Labour	-	10
3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories â?? Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	4
4	Health check-up & first aid	-	5
5	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.	12
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	4
7	Safety nets	-	25
8	Storm water Management	SWD along plot boundary and Sedimentation Pits	4
9	Tyre cleaning and Vehicle maintenance	-	4
10	Safety Training to Workers (Twice in Year), Safety Officer	-	8
11	Disinfection	-	3
12	TOTAL	-	84

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 Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	292	70
2	Solar System	Weekly	60	3
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	42	3
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring: Monthly to assess the compost quality	90	25
5	Landscape	Daily	108	16
6	Environmental Monitoring	From MoEF recognized Laboratory	-	4

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7	TOTAL	-	592	121

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:	-
Parking details:	**Number and area of basement:**	3 Nos. of Basements in building No. 01 +3 Nos. of Basements in building No. 02 with 12689.66 m2
	Number and area of podia:	10 Nos. of Podium + 4 Nos. of Podium (in PPL building No. 2) with 67117.39 m2
	Total Parking area:	79807.05m2
	Area per car:	Basement: 40.54m2 Podium: 38.70 m2
	Area per car:	Basement: 40.54m2 Podium: 38.70 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	4W Parking: 1196 Nos (in situ Sale Residential parking) 4W PPL Parking: 701 Nos (Handover to MCGM)
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA

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	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

50(A) SEAC-2

Representative of PP, Gururaaj Mirjee was present during the meeting along with environmental consultant M/s Mahabal. PP informed that they have received earlier EC dated 20/05/2010 which was amended on 01/12/2014 & 24/03/15. PP informed that they have completed construction admeasuring 3,94,257.68 m2 as per EC. PP submitted following information regarding their project:

q 1. The project has already received Prior Environmental Clearance vide letter No. SEAC-2009/CR. 174/TC.2 dt. 2. 20.05. 2010. The EC was amended vide No. SEAC-2212/CR188 /TC-2 dated 01.12.2014, 24.03.2015 and vide No. SEIAA-2015/CR-71/TC 3 dated 13.10.15 for Residential project with SRA Scheme at Worli, Mumbai q 3. The EC was obtained for Plot area of 37,674.29 m2; Total Built up area of 4,61,086.45 m2 4. Now, PP would like to amend the Environmental Clearance consequent to clubbing of following S.R. scheme with the scheme under reference: (I) Proposed Slum Rehabilitation Scheme on plot bearing C. S. No. 200(pt), 201, 3/159 (pt), & 205 (pt) of Parel Sewri Division, for "Ganeshwadi Utkarsh SRA CHS Ltd." in F/S Ward and (II) Proposed Slum Rehabilitation Scheme on plot C S No. 1/362(pt) of Matunga Division at 18.30 mtr. Sheikh Mishree Road, Antop Hill, Wadala Mumbai known as "Sheikh Mishree SRA CHS (Prop)" in F/N Ward. q 5. The construction work is in progress as per the Environmental Clearance received for earlier proposal.

Committee noted comparative changes due to proposed expansion/amendment.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It was noted that proposal was considered in 33rd SEAC II meeting in which ToR was approved. PP submitted revised EIA report. 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 37,674.29 m2 & total construction area of the project is 5,86,423.71 m2. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

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During discussion following points emerged:

1. 1.PP to submit compliance report with comparative statements of conditions stipulated in earlier EC. 2. 2. PP to submit copies of HRC permissions. Further, Conditions stipulated in the HRC permission dated 08/08/2016 should be strictly followed. 3. 3. Data of ecology, biodiversity, areas covered, analysis methods adopted, identified impacts and recommendations with remedial measures should be submitted. 4. 4. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

The initial size of the project as well as the now proposed size is in excess of 300,000 sq. meters. As MoEF notification, all projects where the BUA exceeds 300,000 sq. meters would be appraised by the GoI and EC granted at that level. This application cannot be entertained at the state level.

Hence delisted. PP to be informed.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEIAA-AGENDA-0000000008

SEIAA Meeting 111 (Day 1)

SEIAA Meeting number: Meeting Number 111 **Meeting Date** May 11, 2017

Subject: Environment Clearance for Amendment for proposed residential cum commercial project at Bearing C.S. No. 77, Old C.S. No. 71(PT), 72, 77, 213/74 & 214/74 Of Parel Sewari Division, At Madhav Palav Marg & B.A. Road, Mumbai - 400 012

General Information: Venue: Maharashtra State Finance Corporation (MSFC), United India Building, 1st Floor, Sir P.M.Road, Fort,Mumbai-01 Time : 10.00 AM

1.Name of Project	Nish Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jaiprakash H. Khemka
4.Name of Consultant	S G M Corporate Consultant Pvt Ltd
5.Type of project	Proposed project is residential cum commercial with rehabilitation of chawl.
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project received Earlier EC vide letter no. 21-954/2007-IA.III dt 21st April 2008. The project underwent the amendments and received EC vide letter dt SEAC-2013/CR-50/TC-2 dt 24th January 2014 & dt 27th February 2015 respectively
8.Location of the project	Plot Bearing C.S. No. 77, Old C.S. No. 71(PT), 72, 77, 213/74 & 214/74 Of Parel Sewari Division, At Mahadev Palav Marg & B.A. Road, Mumbai - 400 012.
9.Taluka	Mumbai
10.Village	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	concession document from MCGM
	IOD/IOA/Concession/Plan Approval Number: EB/5393/FS/RB dt 3.11.2015
	Approved Built-up Area: 117820.60
13.Note on the initiated work (If applicable)	Yes. The work is initiated as per Previous EC Received Vide Letter no.SEAC-2013/CR.50/TC-2. Dt 27th February 2015 The total constructed work : 244808.87 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from MHADA wide letter no. CO/33(9)/F-1562/1369/MBRRB-10 dt 7th April 2010
15.Total Plot Area (sq. m.)	29840.22
16.Deductions	NA
17.Net Plot area	29840.22
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 117820.60
	b) Non FSI area (sq. m.): 229999.05
	c) Total BUA area (sq. m.): 347819.65
19.Total ground coverage (m2)	15799.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52
21.Estimated cost of the project	6322100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building no. 1	A & D Wing â?? Gr. +11th Floor. B, C, E, F & G Wing Ground. + 23rd Floor.	69.90
2	Building No. 2	Ground. + 1st Floor.	10.35

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3	Building No. 3	Basement + Gr. Floor. + 1st to 8th Level. Podiums Incl. Community Center 1 & 2 +9th E-Deck Level. +10th Level. Service Floor +1st to 51st Residential. Floor Incl. Service Floor on 26th Floor.	236.90
4	Building No. 4	Basement + Ground floor. + 1st To 9th Podium + 1st to 32nd Floor +1st Service floor+ 2nd service floor betn 32nd & 33rd floor + 1st fire check between 8th & 9th + 2nd fire check floor between 27th & 28th floor +community /welfare	160.7
5	Building No. 5	In house Religious structure	13.37
6	Building No. 6	4 wings with 3Basement+Ground+1st Podium +2nd to 10th floor	33.00

23.Number of tenants and shops	Total no of flats : 1788 Total no of shops : 72
24.Number of expected residents / users	Proposed Residential occupants: 8940 Nos. Shops Occupants: 144 Nos. Visitors: 2271 Nos.
25.Tenant density per hectare	2993 Nos.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	40.0 meter wide Mahadev Palav Marg and 50.0 mt wide Dr.Babasaheb Ambedkar Road is abutting to site. Entry and Exit roads are of 9.0 meter wide.
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 is above 9.5 m.
29.Existing structure (s) if any	There was an industry called The New Islam Mill along with 6 residential buildings (chawls). These structures were dilapidated and had been declared dangerous under Section 88-3. The New Islam mill was shut down in 1935 and since then the area was occupied by small warehouses. As per direction by BMC, these structures have been demolished as they were in very dangerous condition. The site will be developed as mixed use development (Residential cum commercial project) and the tenants will be acco
30.Details of the demolition with disposal (If applicable)	Demolition of the existing on site structures was carried out and the Demolition waste was disposed

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	818
	Recycled water - Flushing (CMD):	429
	Recycled water - Gardening (CMD):	39
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	1215
	Fire fighting - Underground water tank(CMD):	As per NBC norms
	Fire fighting - Overhead water tank(CMD):	As per NBC norms
	Excess treated water	605
Wet season:	**Source of water**	MCGM & RWH
	Fresh water (CMD):	443
	Recycled water - Flushing (CMD):	429
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1215
	Fire fighting - Underground water tank(CMD):	As per NBC norms
	Fire fighting - Overhead water tank(CMD):	As per NBC norms
	Excess treated water	664
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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The depth of ground water table on this site is 2.6 m.
	Size and no of RWH tank(s) and Quantity:	7 numbers of rain water collection tanks of total capacity 105 mÂ³.
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	17 nos. of recharge pits.
	Size of recharge pits :	1.5 X 3
	Budgetary allocation (Capital cost) :	15.60 Lacs
	Budgetary allocation (O & M cost) :	0.79Lacs
	Details of UGT tanks if any :	As per requirement
35.Storm water drainage	**Natural water drainage pattern:**	North-west to South -East
	Quantity of storm water:	0.98m3/Sec
	Size of SWD:	Around 300 mm to 350 mm
Sewage and Waste water	**Sewage generation in KLD:**	1084
	STP technology:	MBBR & Extended Areation
	Capacity of STP (CMD):	1100
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	330 lacs
	Budgetary allocation (O & M cost):	65.47 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Biodegradable garbage = 0.086 TPD. Non-biodegradable garbage = 0.037 TPD. Total = 0.123 TPD. Disposal of segregated waste to MCGM.
	Disposal of the construction waste debris:	The construction debris will be disposed as per the â??Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2006.
Waste generation in the operation Phase:	**Dry waste:**	1341
	Wet waste:	2458.5
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	11
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Non â?? Biodegradable waste which will be generated which will be handed over to municipal authority for further treatment.
	Wet waste:	biocomposting by IVC and OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure for the garden.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	NA
	Area for machinery:	36 m2 (for bldg no. 3)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	24.55 Lacs
	O & M cost:	4.96 Lacs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

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43.Green Belt Development	**Total RG area :**	About 557.33 m2 of area will be maintained as Greenbelt at ground and around 6263.42 m2 will be provided at podium floor
	No of trees to be cut :	13
	Number of trees to be planted :	205
	List of proposed native trees :	NA
	Timeline for completion of plantation :	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	Brassia actinophylla	Umbrella Tree	20	Fast growing, suitable for Indian Climate, Decorative
2	Ficus lyrata	Fiddleleaf Fig	20	used for landscaping, used to create shade area
3	Lagerstroemia speciosa	Queen flower	20	Ornamental, Local flora, herbal plant
4	Magnolia grandiflora	Magnolia tree	20	Good for screening, attract bees, evergreen
5	Polyalthia longifolia	False Ashoka	25	Ornamental plant, can grow in various shape, Local flora
6	Plumeria rubra	Frangipani	15	Used for Landscape, create shade, beautiful flowers
7	Plumeria Obtusa	Singapore frangipani	12	ornamental flowers,grows flowers
8	Areca catechu	Betel Palm	25	Used for Landscaping, edible fruit, dry leaves used for preparing plate
9	Cocos nucifera	Coconut Palm	21	Tall tree, every part usable
10	Licuala grandis	Ruffled fan palm, vanuata fan palm	15	Used for landscaping cause of fantail shape
11	Ptychosperma macarthurii	Macarthur Palm	12	Easy to Grow, used for landscape
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	Areca Catechu	At Point	36
2	Coconut Palm	At Point	30
3	Cycus	At Point	45
4	Date Palm	At Point	45
5	Foxtail Palm	At Point	56
6	Pisonia Alba	At Point	40
7	Plumeria Alba	At Point	45
8	Plumeria Rubra	At Point	33
9	Ravnella Madagascariensis	At Point	44
10	Washingtonia Filifera Palm	At Point	75

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11	Kadamb	At Point	50
12	Lagerstrienua Speciosa	At Point	35
13	Michelia Champaca	At Point	80
14	Bouganville (white)	At Point	56

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	21.8 mW
	During Operation phase (Demand load):	29.6 mW
	Transformer:	2 nos.
	DG set as Power back-up during operation phase:	Total 5 No of DG, 4 DG of total capacity 1000 kVA and 1 of 750 kVA is proposed for the entire project.
	Fuel used:	Low sulphur diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar photovoltics system
ï?· Installation of microwind turbines in wind tunnels to harness wind power. Wind power system of 40 kwp
ï?· Energy efficient building envelope and elevator system
DGU glass to lower power consumption
ï?· High efficiency pumps, level controllers, BEE rated interior & exterior lighting fixtures having lighting power densities 20% lower than the green building base lines, Installation of CFC free equipments
ï?· Building 3 & 4 will be provided with auto sensor taps, occup

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall saving	12%

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:**	160 Lacs
	O & M cost:	8.7 Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Water For Dust Suppression	21.0
2	Sanitation	Site Sanitation	5
3	Environment	Environmental Monitoring	2.7
4	Health	Disinfection	3.6
5	Health	Health Check Up	88.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP Cost	330	65.47
2	Rain Water	Rain water harvesting (17 Nos. of Recharge pits)	5.10	0.26
3	Rain Water	Rain Water Harvesting (7 RWH tanks of total capacity 105 m3)	10.5	0.53
4	Energy	Solar photovoltaic system	90	4.5
5	Energy	Wind power system	70	4.2
6	Lanndscape	Gardening	42.14	6.58
7	Waste Management	Solid waste management	24.55	4.96
8	Maintenance	Other maintenance cost (For SWM, Water tanks, DG, etc.)	NA	23.13
9	Environment Monitoring	Environment Parameters	50.00	26.77

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

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Parking details:	**Number and area of basement:**	Bldg 3 : 1 basement Bldg 4: 1 basement Bldg 6 : 3 basements
	Number and area of podia:	Bldg 3 : 8 Podiums Bldg 4 : 10 Podiums
	Total Parking area:	53490
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	1783
	Public Transport:	Bus, Train station
	Width of all Internal roads (m):	9 and 6 m wide internal roads
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B catergory
	Court cases pending if any	Application no. 101 of 2014 a/w Misc application No. 168 of 2014
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-10-2016

Brief information of the project by SEAC

SEIAA AGENDA-0000000008

Minutes of 51st SEAC-2 meeting:

Representative of PP, Kailash Agarwal & Shrihari were present during the meeting along with environmental consultant M/s SGM.PP informed that they have received earlier EC vide letter dated 21/04/2008 which was further amended on 27/02/2015. PP submitted following synopsis for the project:

Ø Proposed construction of residential and commercial project located at **C.T.S. No. 77 , New Islam mill compound, Mahadev Palav marg, Mumbai,Maharashtra**

Ø The proposed project is redevelopment project. This project had received environment clearance on 21stApril, 2008 vide letter number21-954/2007-IA.III. Clearance received for total construction area 3,75,113.13 sq. m

Ø Further project proponent applied for amendment and received environment clearance letter on 27th February, 2015 vide letter number SEAC- 2013/ CR-50/TC-2. Environmental clearance received for total construction area 3,27, 346.68 sq.m

Ø Now they are proposing for amendment in EC which is less than 10% for the proposed building which will have a total construction area of about 3,47, 819.65 sq.m.

Ø As per EC received dated 27th February, 2015 vide letter number SEAC- 2013/ CR-50/TC-2, they have received approval for 45 floors (**Basement + ground + 8 podium+ 9th E level+ service floor+1et to 35th floor**) with 126.8 m height.

Ø As per proposed amendment, the configuration changing from **Basement + Ground floor + 1st to 9th podium+10th E level+1st to 31st typical apartment floors+ 2 service floors + 2 Fire check floors** which comes within already approved 45floors.

The construction area of the building no.4 is changing from 52,077.84 sq. m to 74,985 sq. The area increased due to demand of separate fire check floors as per new regulation for fire safety. Also the of proposed building no. 3 is reducing and adding up in building no.4

Committee noted the comparative changes due to proposed expansion/amendment.

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 29,840.22 m2& total construction area proposed in this meeting of the project is 2,29,999.05 m2. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A,presentation& plans submitted are taken on the record.

DECISION OF SEAC

SEIAA-AGENDA-0000000008

During discussion following points emerged:

1. PP to submit again revised EIA report as per the changes suggested for the proposedexpansion/amendment.

2. PP to submit air cleaning system in thebasement.

3. PP to submit revised CFO NOC & HRCpermission.

4. PP to submit copy of the approved revised layoutplans.

5. PP to ensure adequate space around the proposed buildings for free and unhindered fire tender movement so that in case of fire hazard, the fire brigade will get direct access to every flat in thebuilding.

6. Structural reanalysis & stability audit report for the buildings on which vertical expansion isproposed.

7. PP to ensure that BOD of the treated water should be 5mg/lit.

8. PP to submit revised Disaster Management Plan & Environmental Management Plan.

9. PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17thDecember2013.

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

Specific Conditions by SEAC:

SEIAA DECISION

SEIAA-AGENDA-0000000008

The SEIAA noted that,

1. The property, commercially known as One Avighna Park has been the subject matter of a criminal complaint lodged in September 2016 with the Kherwadi Police station. The allegation in this complaint is essentially that the PP, "in nexus with a few BMC officials, forged documents to procure additional FSI. The FIR alleged the developer managed to get 9.68 lakh sqft of development rights from MHADA though rules permitted only 3.22 lakh sq ft." The Approving Authority will have to satisfy itself about the present status of the FIR, whether finalised or prosecuted, a report from the MHADA and the MBRRB seeking explanation how the PP came to be entitled to additional BUA and a report from the MCGM explaining the admissibility of additional area claimed by the PP. The PP in reply stated that the case had been closed by the police and that he was in a position to furnish the closure report,

2. Further, earlier in the same case, the Municipal Commissioner, MCGM reportedly has objected to the manner in which the the PP has purchased tenancies from existent tenants and claimed incentive FSI even for such purchased "tenancies." It is an accepted stipulation that no tenancy created after 1996 is eligible for incentive, especially one that has been purchased by the developer himself. The Municipal Commissioner further noted that "The essence of rehabilitation of tenants was missing in the case of the developer's proposal with the developers/other companies acquiring 46 tenancies. Question arises as to whether the developer is entitled for FSI perks for rehabilitating himself, along with all consequential benefits of fungible FSI without the levy of premium. In the absence of an owner/tenant relationship, benefits of incentive FSI were undesirable." The PP in reply denied the existence of any such report sought or remarks made by the Municipal Commissioner.

2. Additionally, there is a slew of litigation in this case in the NGT, High Court and the Supreme Court. The fate of all these cases is unknown

Notwithstanding any of the above, the initial size of the project as well as the now proposed size is in excess of 300,000 sq. meters. As per MoEF notification, all projects where the BUA exceeds 300,000 sq. meters would be appraised by the GoI and EC granted at that level. This application in any case cannot be entertained at the state level.

PP to be informed accordingly.

Case to be delisted.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEIAA-AGENDA-0000000003