Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Proposed Residential Cum Commercial Project

Is a Violation Case: No

1.Name of Project	"Adhya - Radha -Krishna"
2.Type of institution	Private
3.Name of Project Proponent	Mr.Rajesh Madhukar Pokharkar
4.Name of Consultant	M/s. Sneha Hi-Tech Products
5.Type of project	Housing [Residential Cum 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	Not applicable No, PP have already obtained sanctioned plan on dated 17/01/2015 & 22/07/2015 for total BUA of 9229.84m2. At present total constructed BUA on site is 11613.95m2 [FSI + Non FSI]. As total BUA was not crossing 20,000m2 hence did not apply for EC but now looking at market demand PP has applied for revise master plan and as total BUA is crossing 20,000m2 hence applying for EC for expansion
8.Location of the project	Gat No. 119,120,121,122,
9.Taluka	Haveli
10.Village	Mouje – Chikhali
Correspondence Name:	Mr. Rajesh Madhukar Pokharakr
Room Number:	318, 3rd Floor,
Floor:	3rd Floor
Building Name:	Platinum Techno Park,
Road/Street Name:	Plot No. 17 & 18, Sector 30a,
Locality:	Vashi,
City:	Navi Mumbai - 400705
11.Area of the project	Pimpri Chinchwad Municipal Corporation [PCMC]
12.IOD/IOA/Concession/Plan Approval Number	Yes, PP have already obtained sanctioned plan on dated 17/01/2015 & 22/07/2015 for total BUA of 9229.84m2 and now applied for revise Master Plan for full potential i.e. 34508.21m2
	IOD/IOA/Concession/Plan Approval Number: PP has applied for Revised sanction
	Approved Built-up Area: 9229.84
13.Note on the initiated work (If applicable)	PP have already obtained sanctioned plan on dated 17/01/2015 & 22/07/2015 for total BUA of 9229.84m2 and started construction of residential building with reference to sanctioned plan dated 17/01/2015 & 22/07/2015. Total constructed BUA as on date on site is 11613.95m2 [FSI + Non FSI].
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	15350.00m2
16.Deductions	6304.001m2
17.Net Plot area	9045.99 m2 (Net Gross Plot Area)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17497.32
	b) Non FSI area (sq. m.): 17010.89
	c) Total BUA area (sq. m.): 34508.21
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2149.88m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.40 of Gross Net Plot Area
21.Estimated cost of the project	500000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+12	36.0
2	B	B+P+12	36.0
3	C	B+P+12	36.0
4	D	B+P+12	36.0
5	E	B+P+12	36.0
6	Club House	G + 1	9.15
7	F [Comm.]	G+1	6.60

23.Number of tenants and shops	Total Nos. of Tenants: 400 Flats: 391 Nos. Shops: 09 Nos.
24.Number of expected residents / users	Residential users: 1955 Commercial Users: 246 Total: 2201
25.Tenant density per hectare	441Tenant/Hector permissible
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 Wide RP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0m Average
29.Existing structure (s) if any	Total constructed BUA as on date on site is 11613.95m2.
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/Recycled
	Fresh water (CMD):	180.49
	Recycled water - Flushing (CMD):	94.0
	Recycled water - Gardening (CMD):	11.2
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	285.69
	Fire fighting - Underground water tank(CMD):	100.00
	Fire fighting - Overhead water tank(CMD):	250.0
	Excess treated water	150.8
Wet season:	**Source of water**	PCMC/Recycled
	Fresh water (CMD):	180.49
	Recycled water - Flushing (CMD):	94.0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	274.49
	Fire fighting - Underground water tank(CMD):	100.00
	Fire fighting - Overhead water tank(CMD):	250.0
	Excess treated water	162.0
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	274.49	274.49	Not applicable	27.44	27.44	Not applicable	247.04	247.04
Gardening	Not applicable	11.2	11.2	Not applicable	11.2	11.2	Not applicable	0.0	0.0
Fresh water requirement	Not applicable	180.049	180.49	Not applicable	18.04	18.04	Not applicable	162.44	162.44

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season - 20.00 M. BGL Average Winter Season - 15.32 M. BGL Average
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	7 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 1.5 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep
	Budgetary allocation (Capital cost) :	7.0Lakhs
	Budgetary allocation (O & M cost) :	0.50Lakhs per Annum
	Details of UGT tanks if any :	Domestic U.G Tank Capacity: 275.0 CUM Flushing U.G tank Capacity: 95.0 CUM Fire U.G tank Capacity: 250.0 CUM
35.Storm water drainage	**Natural water drainage pattern:**	Natural drain as per contour
	Quantity of storm water:	86.15103m3/Day
	Size of SWD:	600 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	247.5
	STP technology:	MBBR
	Capacity of STP (CMD):	300.0CMD x 1 No.
	Location & area of the STP:	Near Building A STP Area – 241.88m2
	Budgetary allocation (Capital cost):	57.0Lakh
	Budgetary allocation (O & M cost):	12.19Lakh/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Domestic Solid Waste - 34.0kg /day Quantity of the top soil to be preserved: 13815 Cum
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be used for backfilling and recyclable material will be sold off to local vendors.
Waste generation in the operation Phase:	**Dry waste:**	517.7kg/day
	Wet waste:	424.0kg/day
	Hazardous waste:	100 liter/Year [Used/Waste Oil from D.G. Set]
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	20kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler SWACH for further handling and disposal
	Wet waste:	Will be converted to compost using Organic Waste Converter of capacity 500 Kg/Day
	Hazardous waste:	Handed over to authorized 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):**	Near Amenity Building
	Area for the storage of waste & other material:	22.6m2
	Area for machinery:	12.4m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.50Lakh
	O & M cost:	2.26Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7.0 to 8.5	6.5 to 7.5	6.5 to 7.5
2	Oil & Grease	mg/l	10-20	< 5	<10
3	Biological Oxygen Demand (BOD)	mg/l	250-300	< 10	< 100
4	Chemical Oxygen Demand (COD)	mg/l	350-450	< 50	< 250
5	Total Suspended Solid (TSS)	mg/l	200-300	< 10	< 10
6	Total Nitrogen	mg/l N	120	< 10	< 10
7	Nitrate	mg/l	15-16	< 10	< 10
8	Dissolved PO4	mg/l	13-15	< 5	< 5
9	Fecal Coliform	MPN/ 100 ml	106	N.D	N.D
10	Detergent	ppm	15	< 5	< 5
11	Floating Matter	ppm	50	< 10	< 10
12	Bio-assay Test	-	-	90% survival in 100% treated effluent per 96hr.	90% survival in 100% treated effluent per 96hr.

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	Used/Waste Oil	5.1	Lit/Y	Not applicable	100.0	100.0	Handed over to authorized Recycler

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	D.G. Set[200kVA]	Diesel – 37LPH	1	4.0	0.2	90oC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	Diesel – 37LPH	Diesel – 37LPH
41.Source of Fuel		Nearest Filling Station		
42.Mode of Transportation of fuel to site		Shall be brought in closed can by tanker		

43.Green Belt Development	**Total RG area :**	1727.19 m2
	No of trees to be cut :	Not Applicable, Site is barren land
	Number of trees to be planted :	113
	List of proposed native trees :	As mentioned below in point number (v)
	Timeline for completion of plantation :	During the period of construction and shall take approximately 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	AzadirachtaIndica	Kadunimba	9	Semi Evergreen, Medicinal Plant
2	Bauhiniaracemosa	Kanchan	10	Flowering Plant, Medicinal Plant
3	Ficuselastica	Rabar	9	Medicinal Plant
4	Micheliachampaka	Pivla Chafa	10	Flowering Plant, Medicinal Plant
5	SaracaIndica	Sita Ashok	9	Shady tree with red-yellow flowers, Medicinal Plant
6	Pongamiapinnata	Karanj	9	Ornamental Plant, Medicinal Plant, Shady tree
7	Mangiferaindica	Aamba	10	Fruit bearing Plant
8	Albizialebbeck	Shirish	9	Shady Tree, yellowish green fragrant flowers
9	Erythrinavariegata	Pangara	9	Medium deciduous tree, Bright scarlet flowers
10	Annonareticulata	Ramphal	10	Fruit bearing Plant, Medicinal Plant
11	Syzygiumcumini	Jambhul	10	Fruit bearing Plant, Medicinal Plant
12	Tamarindusindica	Chinch	9	Fruit bearing Plant, Medicinal Plant

45.Total quantity of plants on ground	

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30.kW
	DG set as Power back-up during construction phase	82.5kVA
	During Operation phase (Connected load):	1464.00KW
	During Operation phase (Demand load):	1206.00kW
	Transformer:	630KVA x 1 No. & 315KVA x 1 No.
	DG set as Power back-up during operation phase:	200.00kVA
	Fuel used:	Diesel – 37.0LPH
	Details of high tension line passing through the plot if any:	No High Tension Line is passing through the plot

48.Energy saving by non-conventional method:

1. As per MSEDCL requirements, we are planned to use high efficiency Transformer & to reduce losses. Losses for Transformer will be as per IS standards & ECBC norms
2. We are planning to keep power factor of the installation near unity
3. Following are the Energy efficient fixtures should be used in our project for energy conservation;
Solar Water Heating Systems Will Be Done For Bathrooms
Solar lights will be provided for common amenities like Street lighting & Garden lighting
CFL & LED based lighting will be done in the 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 used for Water Pumps
To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lamps for common area (Club House, Landscape)	23299.04kWH
2	Up Lighter, Bollard Lighter, Garden Pole - Landscaping Area	759.2kWH
3	Use of Solar Panels for Hot Water	434895kWH
4	Street Lights	5540.7kWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
D.G. Set	Not applicable	Adequate Stack height with low Sulpher content fuel

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	51.20Lkah
	O & M cost:	1.02Lakh

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 , Ambient Air , Noise & DG emissions Monitoring ,	2.66
2	Water Environment	Tanker water for construction, Drinking water quality monitoring, Packaged STP (7 lac capital cost)	3.6
3	Land Environment	Site Sanitation (SWM)	2.0
4	Biological Environment	Gardening Setup including top soil preservation	1.2
5	Socio Economic Environment& EHS	Disinfection – pest control, First Aid Facilities, Health Checkup, Personal Protective equipment	8.0

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 Installation	57.00	12.19
2	Water Environment	Rain Water Harvesting	7.00	0.50
3	Environment Monitoring	(Air, Water, wastewater, Soil, Noise, DG stack, Swimming Pool & quality of manure etc.)	0.0	5.0
4	Land & Biological Environment	Landscaping of site	12.88	1.0
5	Land & Biological Environment	Solid Waste Management	12.50	2.26
6	EHS	Installation of firefighting equipment, training etc.	16.50	1.65

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:	Project site gets connected to 24 meter wide road
Parking details:	**Number and area of basement:**	1 x 1267.56
	Number and area of podia:	Not Applicable, No Podium
	Total Parking area:	9975.00m2
	Area per car:	30.0m2 for Stilt & 35.0m2 for Basement
	Area per car:	30.0m2 for Stilt & 35.0m2 for Basement
	Number of 2-Wheelers as approved by competent authority:	820
	Number of 4-Wheelers as approved by competent authority:	207
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Minimum 6 meter wide
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-05-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential Cum Commercial Project "Adhya - Radha -Krishna" Gat No. 119,120,121,122, Mouje – Chikhali, Haveli by **Mr.Rajesh Madhukar Pokharkar.**

PP submitted their application for Expansion of Environmental clearance for total plot area of 15350 Sq. Mtrs, BUA of 34508.21 Sq. Mtrs and FSI area of 17497.32 Sq. Mtrs. PP proposes to construct 5 no. residential building and 1 club house.

DECISION OF SEAC

PP remains absent. hence SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Submission of Application for Environmental Clearance for "The SkyLark" by Mohisha realtors LLP at S. No. 94(P), Village-Kiwale, Tal-Haveli, Pune

Is a Violation Case: No

1.Name of Project	The Sky Lark
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yogesh Chichwade
4.Name of Consultant	Vke Environmental LLP
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(P), Village-Kiwale, Tal-Haveli, Pune
9.Taluka	Haveli
10.Village	Kiwale
Correspondence Name:	Mr. Yogesh Chichwade
Room Number:	Flat No. 102
Floor:	1St
Building Name:	A Wing Sonigara Nilay Co-Op Housing Society
Road/Street Name:	Chinchwadgaon Road
Locality:	Chinchwadgaon
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 67030.03
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	14800 sqm.
16.Deductions	1078.91 sqm.
17.Net Plot area	13721.09 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22773.36 sqm.
	b) Non FSI area (sq. m.): 44256.67 sqm.
	c) Total BUA area (sq. m.): 67030.03
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2663.27 sqm.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.99 % of total plot area
21.Estimated cost of the project	40200000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	2P+12	35.40
2	B	2P+12	35.40
3	C	2P+12	35.40
4	D	2P+12	35.40
5	E	2P+12	35.40
6	Mhada	2P+11	32.45
7	Club House	G+1	7.65

23.Number of tenants and shops	553
24.Number of expected residents / users	2765
25.Tenant density per hectare	389.05
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
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**	Gram Panchayat/Recycled Water from STP
	Fresh water (CMD):	251
	Recycled water - Flushing (CMD):	125
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	383
	Fire fighting - Underground water tank(CMD):	425
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	207
Wet season:	**Source of water**	Gram Panchayat/Recycled Water from STP
	Fresh water (CMD):	251
	Recycled water - Flushing (CMD):	125
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	376
	Fire fighting - Underground water tank(CMD):	425
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	214
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	251	251	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Gardening	Not applicable	7	7	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	376	376	Not applicable	26	26	Not applicable	350	350

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	22 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12
	Size of recharge pits :	1.5 X 1.5 X 1.5 M
	Budgetary allocation (Capital cost) :	4.75 Lakh
	Budgetary allocation (O & M cost) :	0.39 Lakh/year
	Details of UGT tanks if any :	Wing A, B & C Domestic : 159 CuM Drinking : 61 CuM Fire : 225 CuM Flushing : 73 CuM Wing D & E Domestic : 91 CuM Drinking : 35 CuM Fire : 150 CuM Flushing : 42 CuM NHADA Domestic : 21 CuM Drinking : 9 CuM Fire : 50 CuM Flushing : 10 CuM
35.Storm water drainage	**Natural water drainage pattern:**	Through Gravity, Direction of Flow - NE to SW
	Quantity of storm water:	0.2895 m3/sec
	Size of SWD:	450 x 300 mm wide trench
Sewage and Waste water	**Sewage generation in KLD:**	Residentiall- 323 m3/day, MHADA- 27.09
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. for residential - 385 m3/day & 1 no. for MHADA - 30 m3/day
	Location & area of the STP:	Locations are as per master layout ; 167.00 sqm & 32.00 sqm.
	Budgetary allocation (Capital cost):	115.46 Lakh
	Budgetary allocation (O & M cost):	24.86 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	12.00 kg/day
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area & top soil for Landscaping
Waste generation in the operation Phase:	**Dry waste:**	553 Kg/day
	Wet waste:	829.5 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	21 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Mechanical Composter (Smart OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage & sewage treatment system.
	Others if any:	NA
Area requirement:	**Location(s):**	Locations are as per master layout
	Area for the storage of waste & other material:	16 sqm
	Area for machinery:	48 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	38.45 Lakh
	O & M cost:	7.33 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	5-8.5	6.5-7.5	6.5-7.5
2	Oil & Grease	mg/l	15	<10	<10
3	Biological Oxygen Demand	mg/l	400	<50	<50
4	Chemical Oxygen Demand	mg/l	300	<30	<30
5	Total Suspended Solid	mg/l	250	<20	<20
6	Total Nitrogen	mg/l	50	<10	<10
7	Nitrate	mg/l	25-30	<5	<5
8	Dissolve Po4	mg/l	15-20	<5	<5

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	125 Kva	Diesel 34.4 lit/hr	2	5	0.152	533ºC
2	250 Kva	Diesel 81.38 lit/hr	1	5	0.152	532ºC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	150.18 lit/hr	150.18 lit/hr
41.Source of Fuel		Authorized dealer		
42.Mode of Transportation of fuel to site		Barrels in closed tempo		

43.Green Belt Development	**Total RG area :**	1374.14 sqm i.e 10% of net plot area (13721.09 sqm)
	No of trees to be cut :	2
	Number of trees to be planted :	165
	List of proposed native trees :	Maharukh, Kadamb, Fish Tail Palm, Pangara, Kunti, Son Chafa,Sita Asoka, Tamhan, Chiku,Palas, Sitafal
	Timeline for completion of plantation :	6 month after Project Completion

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	Large tree, good for roadside plantation
2	Anthosaphalus kadamba	Kadamb	15	Shady, large tree, ball shaped flowers.
3	Caryota urens	Fish Tail Palm	15	Tall evergreen tree
4	Erythrina indica	Pangara	15	Medium sized deciduous tree. Bright scarlet flowers.
5	Murrayya paniulate	Kunti	15	Small tree, Fragrant white flowers, Butterfly host plant
6	Michela champaca	Son Chafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Saraca asoka	Sita Asoka	15	Shady tree with red-yellow flowers.

8	Lagestromia flosre genia	Tamhan	15	State flower tree of Maharashtra,
9	Manilkara zapota	Chiku	15	Evergreen Fruit Bearing Tree
10	Butea monosperma	Palas	15	Medium sized deciduous tree. Beautiful orange flowers,
11	Annona squaosa	Sitafal	15	Evergreen Fruit Bearing 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)	85 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	1876.00 KW
	During Operation phase (Demand load):	1316.00 KVA
	Transformer:	Residential (630 KVA X 2 + 315KVA X 1)
	DG set as Power back-up during operation phase:	Residential (250 KVA X 1) & MHADA (125 KVA X 1)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Using Conventional CFL & LED - 41160.59 Kwh/Yr i.e 33.27%
Using Low Loss Transformer -2102.4Kwh/Yr i.e 8.57%
Using Solar Water Heater -2138400.00 Kwh/Yr i.e 75.34%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Conventional CFL & LED	33.27%
2	Using Low Loss Transformer	8.57%
3	Using Solar Water Heater	75.34%

50.Details of pollution control Systems

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

Biodegradable waste	Not applicable	OWC
DG Set	Not applicable	Installing DG Set which compiles to CPCB norms.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	86.73 Lakh
	O & M cost:	9.57 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	Water For Dust Suppression , Air & Noise Monitoring	2.06
2	Water	Tanker Water For Construction, Water Monitoring	6.33
3	Land	Site Sanitation, Mobile toilets	1
4	Biological	Gardening Set Up and top soil preservation	1.99
5	Socio-Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Personal Protective Equipment	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	STP	Incuding external drainage connection, 1 no STP cost considered	115.45	24.86
2	Rain Water Harvesting	Based on GeoHydrology Report, 12 no pit will be provided	4.75	0.39
3	Storm Water Networking	To assure proper disposal of Storm Water	5.2	0.52
4	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	38.45	7.33
5	Landscape	As required by the authorities to help environment	8.46	1.80
6	Energy	With all said energy saving measures like solar panels and solar water heaters	56.73	9.57
7	Environmental Monitoring	Air,Noise,Water,Effluent tests as per government norms	NA	2.95

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
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:	As per Parking & Traffic Management Plan
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	1
	Total Parking area:	8378.05 sqm
	Area per car:	30sqm
	Area per car:	30sqm
	Number of 2-Wheelers as approved by competent authority:	1112
	Number of 4-Wheelers as approved by competent authority:	279
	Public Transport:	Bus Stop is Available
	Width of all Internal roads (m):	6m
	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	Fire Noc-Applied ; Water NOC from Grampanchayat - Received-22/01/2018 ; Drainage Noc from Grampanchayat -Received - 20/01/0218 ; Tree Cutting Noc-Received

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Submission of Application for Environmental Clearance for “The SkyLark” at S. No. 94(P), Village-Kiwale, Tal-Haveli, Pune by **M/s.Mohisha realtors LLP.**

PP submitted their application for prior Environmental clearance for total plot area of 14800 Sq. Mtrs, BUA of 67030.03 Sq. Mtrs and FSI area of 22773.36 Sq. Mtrs. PP proposes to construct 6 no. residential building and 1 club house.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

1) PP to submit details of socioeconomic infrastructure near project vicinity.
2) PP to increase the numbers of mobile toilets which was mentioned in EMP.
3) PP to submit revised disaster management plan along with cost.
4) PP to submit revised EMP considering laying of SWD.
5) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
6) PP to submit details of plan for laying SWD with undertaking.
7) PP to submit cross section through UGT which is below ramp and provide required headroom.
8) PP to submit indemnity bond for project land.
9) PP to submit list of trees.
10) PP to submit E-Waste NOC.
11) PP to submit an undertaking for assured water supply.
12) PP to submit Details of sewer line connectivity up to final disposal point.
13) PP to submit an undertaking for complying all environmental parameters.
14) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 if applicable.

FINAL RECOMMENDATION

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Construction Project

Is a Violation Case: No

1.Name of Project	MANTRA MOMENT
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vishal Gupta (Partner) / Mr. Rajan Gupta/ Mr. Rohit Gupta
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	G. No. 167 + 168
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	T4/T5, 3rd floor, Metropole Building, Next to INOX Theatre, Bund Garden Road, Pune,
Room Number:	--
Floor:	3rd floor
Building Name:	Metropole Building
Road/Street Name:	Bund Garden Road
Locality:	Pune
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: Plans sanctioned by Collector, Pune vide N.A order No. NA/SR/1102/12
	Approved Built-up Area: 102997.11
13.Note on the initiated work (If applicable)	Work has been initiated as per earlier EC letter SEAC-2013/CR-168/TC-2 dated 16.03.2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	45900.00
16.Deductions	16800.46
17.Net Plot area	29099.54
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 48,959.57
	b) Non FSI area (sq. m.): 54,037.54
	c) Total BUA area (sq. m.): 102997.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	9166.30 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35%
21.Estimated cost of the project	160.42

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	3P+12	44.20
2	B	P+12	38.10
3	C	P+13	40.70
4	D	P+14	43.89
5	E	3P+12	44.06
6	F	P+14	43.90
7	G	G1+G2 (3P+12)	44.20
8	H	3P+!2	44.20
9	I	P+12	38.11
10	Commercial-SP1	G	6.50
11	Commercial -SP2	G	6.50
12	Commercial-SP3	G	6.50
13	Commercial-SP4	G	6.50
14	Club House	G+1	7.90

23.Number of tenants and shops	No. of Tenements :- 1136 Shops :50
24.Number of expected residents / users	Residential: 5680 Nos. Commercial: 150
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station Bhosri & Width of the road from the nearest fire station to the proposed building 30m. Wide road abutting to site.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.
29.Existing structure (s) if any	Work has been initiated as per earlier EC dtd. 16.03.2015. Building B& C completed Building D,E,F RCC & brick work completed Building I – RCC work completed. SP1 to SP4 - completed
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
	Fresh water (CMD):	514
	Recycled water - Flushing (CMD):	260
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	791
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	394
Wet season:	Source of water	PCMC
	Fresh water (CMD):	514
	Recycled water - Flushing (CMD):	260
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	774
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	411
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	0	514	514	0	103	103	0	411	411
Domestic	0	260	260	0	0	0	0	260	260
Gardening	0	17	17	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos.
	Size of recharge pits :	5.00mt X 2.00 mt. X 1.75mt
	Budgetary allocation (Capital cost) :	Rs. 4.09 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.67 Lakhs/annum
	Details of UGT tanks if any :	• Domestic UG tank Capacity (CMD):767 • Flushing UG tank Capacity(CMD): 256 • Fire fighting (CMD): 300
35.Storm water drainage	**Natural water drainage pattern:**	Sloping from NE to SW
	Quantity of storm water:	0.31 m3/Sec
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	671 KLD
	STP technology:	SMBR
	Capacity of STP (CMD):	2 Nos. -320 KLD I No. & 420 Kld 1 No.
	Location & area of the STP:	Near A1 and A2 building
	Budgetary allocation (Capital cost):	Rs. 63.46 Lakhs
	Budgetary allocation (O & M cost):	Rs. 14.7 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:	• Cutting = 15262 m3, filling =13736m3. • Quantity of the debris: 3052 m3 to be used on site for filling
Waste generation in the operation Phase:	**Dry waste:**	1159 kg/d
	Wet waste:	1719 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	100 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized recycler
	Wet waste:	teated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	near STP
	Area for the storage of waste & other material:	96 m2
	Area for machinery:	96 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 45.75 Lakhs
	O & M cost:	Rs. 10.03 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	attached to DG set	Diesel	1	5m above ground levelNot applicable	0.3	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Diesel	Diesel	Not applicable
41.Source of Fuel		from Authorized vendor		

42.Mode of Transportation of fuel to site	by road

43.Green Belt Development	**Total RG area :**	3361.25 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	382
	List of proposed native trees :	382
	Timeline for completion of plantation :	within 1-2 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	Syzygium cumin	Jambul	35	An evergreen tropical tree in the flowering plant
2	Cassia grandis	Pink shower	43	Ornamental & medicinal plant
3	Michelia champaca	Champa	28	Evergreen timber plant, ornamental,
4	Ficus benjamina	Weeping fig	54	Evergreen and Birds attracting tree.
5	Khoya senegalensis	African Mohgani	8	Evergreen timber yielding tree
6	Mimusoaps elengii	Bakul	27	Evergreen tree, timber yielding and medicinal plant
7	Roystonia regia	Palm	47	Nitrogen fixer, ornamental plant
8	Butea monosperma	Flame tree	27	It is a medium sized dry season-deciduous tree
9	Ficus racemosa	Cluster fig	09	Evergreen or deciduous tree
10	Neolamarckia cadamba	Kadamb	20	Evergreen ornamental & religious plant
11	Erythrina subrosa	Pangara	44	Medium sized throny tree .The tree is a captivating sight when in bloom, with clusters of bright, orange-scarlet up-facing flower
12	Saraca indica	Sita ashok	40	Evergreen medicinal plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	as per requirment
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	4909.10 KW
	During Operation phase (Demand load):	2454.55 KW
	Transformer:	5 Nos. of 630 KVA
	DG set as Power back-up during operation phase:	3 Nos. 1 x 320 kVA + 1 x 200 kVA & 1 x 125 kVA
	Fuel used:	Disel
	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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	olar PV Panels : 0 KWH / Anum • Using LED Fittings for Street Lighting, Common Passages, Parkings & Landscape Lights: 48,645 KWH / Anum • Solar Water Heater : 18,47,286 KWH / Anum • Total : 18,95,930 KWH / Anum	8.10 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water treatment	2 Nos. STP	1 STP implemented & 1 Proposed
Solid waste	OWC	1 No. OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 61 Lakhs
	O & M cost:	Rs. 1.5 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 Envt.	water for dust supression	1.56
2	Water Envt.	tanker for construction	1.56
3	Land Envt.	site sanitation	5.44
4	Biological Envt.	Gardening	19.96
5	Socio Economic	Pest control,first aid facilitis, health check up, PPE	3.26

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	2 Nos. -STPs	63.46	14.7
2	OWC	1 No.	45.75	10.03
3	Energy	--	61.00	1.5
4	Landscape	Landscape	1.04	0.4
5	Rain water Harvesting	8 Nos. of RWH pits	4.09	0.67

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	18827.86 m2.
	Area per car:	12 m
	Area per car:	12 m
	Number of 2-Wheelers as approved by competent authority:	2400
	Number of 4-Wheelers as approved by competent authority:	610
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	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)
	Court cases pending if any	NA
	Other Relevant Informations	We have received earlier EC for the same with letter No.SEAC-2013/CR-168/TC-2 dated 16.03.2015. Accordingly work has been initiated, now seeking for the amendment.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Construction Project MANTRA MOMENT at G. No. 167 + 168 village Moshi, Tal- Haveli by **Mr. Vishal Gupta**.

PP submitted their application for prior Environmental clearance fortotal plot area of 45900Sq. Mtrs, BUA of102997.11Sq. Mtrs and FSI area of 48959.57Sq. Mtrs.PP proposes to construct 9 nos. residential building and 4 nos. commercial building + 1 club house.

DECISION OF SEAC

PP remains absent.*SEAC decided to defer the proposal.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Proposed Residential & commercial Development ' Gold Coast' at SR.NO. 29 & 67 ,Munjaba wasti ,Tingre nagar ,Dhanori ,taluka haveli ,Pune .Maharshtra By Mantra 29 gold cost developers LLP

Is a Violation Case: No

1.Name of Project	Proposed Residential & commercial Development ' Gold Coast' at SR.NO. 29 & 67 ,Munjaba wasti ,Tingre nagar ,Dhanori ,taluka haveli ,Pune .Maharshtra By Mantra 29 gold cost developers LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rohit Gupta
4.Name of Consultant	vk environmental LLP
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	SR.NO. 29 & 67 ,Munjaba wasti ,Tingre nagar ,Dhanori ,taluka haveli ,Pune.
9.Taluka	Haveli
10.Village	Dhanori
Correspondence Name:	Mr. Rohit Gupta
Room Number:	T4/T5,
Floor:	3rd floor
Building Name:	Metropole Building
Road/Street Name:	Next to INOX Theatre,
Locality:	Bund Garden Road
City:	pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Work in progress as per old EC, dated 02/02/2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	53,086.93 m2
16.Deductions	Deduction for nalah , road widening & amenity space: 13691.29 sqm,
17.Net Plot area	39395.64 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 54210.70
	b) Non FSI area (sq. m.): 39063.15
	c) Total BUA area (sq. m.): 93273.85
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	9732.35
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22%
21.Estimated cost of the project	1410000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1-A4	P + G + 5 floors	20.3
2	Building A5 - A10	2P + 6 floors	23.2
3	Building B1-B5	P + 6 floors	20.3
4	Building C1-C5	P + 6 floors	20.3
5	Building D1, D2	2P + 6 floors	23.2
6	Building D3, D4	P + 6 floors	20.3
7	Building E1(Commercial)	G	G
8	Building F1, F2 (Bungalow)	G + 1	6
9	Building E1(MHADA)	G +P + 6 floors	23.2

23.Number of tenants and shops	802Tenements for Building A1-A10, B1-B5, C1-C5, D1-D4,F1-F2and 158 tenements from MHADA Building E1 Shops: 57 shops Building E1
24.Number of expected residents / users	Residential tenants : 4800 Persons Commercial users: 284 persons
25.Tenant density per hectare	Residential tenants : 4800 Persons Commercial users: 284 persons
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 from the nearest fire station to the project. Nearest fire station: Yerawada fire station. Nearest Fire Station Distance : 4.21 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Work in progress as per old EC, dated 02/02/2015
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):	439
	Recycled water - Flushing (CMD):	222
	Recycled water - Gardening (CMD):	61
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	723
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	193
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	439
	Recycled water - Flushing (CMD):	222
	Recycled water - Gardening (CMD):	61
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	661
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	254
Details of Swimming pool (If any)	1 kld water will be required for makeup. a) PH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground w ater level o bs erved at less than 3 m bel ow Gro und L evel
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Not proposed
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	UGT for Fire tank, Domestic water tank,Reclaimed water from STP is proposed
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours & Hydrogeological report .
	Quantity of storm water:	1951.13m3/year
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	595
	STP technology:	MBBR
	Capacity of STP (CMD):	3 separate STPs are provided for project -STP technology: MBBR Moving Bed Biological Reactor -STP 1 : FOR A B C : 320KLD STP 2 : FOR D F : 190 KLD STP 3 : FOR MHADA : 100 KLD
	Location & area of the STP:	STP 1: 320 kld: 160 sqm, STP2: 190kld: 95 sqm, STP 3:100 kld:95 sqm
	Budgetary allocation (Capital cost):	STP1: 3943000/-, STP2: 2635000/-, STP3: 2045000/-
	Budgetary allocation (O & M cost):	STP1: 394300/- STP2:263500/- STP3:204500/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total solid waste: 20 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	1031kg/day
	Wet waste:	1487 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	100 kg/day
	Others if any:	E – waste : 2684 kg/year

Mode of Disposal of waste:	**Dry waste:**	Dry waste: will be handed over to SWaCH.
	Wet waste:	Wet waste: will be treated in Organic Waste Converter (OWC).
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E waste will be handed over to authorized dealers.
Area requirement:	**Location(s):**	on ground
	Area for the storage of waste & other material:	20 sqm
	Area for machinery:	82 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	36,75,000/-
	O & M cost:	9,37,405/-

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 :**	4634.78 qm
	No of trees to be cut :	No. of trees to be Transplanted :50, No. of trees to be retained: 32
	Number of trees to be planted :	580
	List of proposed native trees :	Please refer below
	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	Manikarazapota	Chikoo	48	Tropical fruit tree & bird attracting tree
2	Micheliachampaca	Champa	48	Evergreen timber plant, ornamental
3	Mimusopeselengi	Bakul	48	Evergreen tree, timber yielding and medicinal plant
4	Ficusbenjamina	Weeping fig	48	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	50	Drought tolerant, ornamental & medicinal plant
6	Buteamonosperma	Flame tree	48	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	48	Drought tolerant, ornamental & medicinal plant
8	Saracaindica	Sitaashok	48	Evergreen medicinal plant
9	Roystonearegia	Royal palm	49	Nitrogen fixer, ornamental plant
10	Syzygiumcumini	Jambhul	49	fruit tree & bird attracting
11	Neolamarkiacadamba	Kadamba tree	48	Tropical fruit tree & bird attracting tree
12	Mangiferaindica	Mango tree	48	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)	44 kw
	DG set as Power back-up during construction phase	62.5 kva
	During Operation phase (Connected load):	4407.43 KW
	During Operation phase (Demand load):	2085.81 KW
	Transformer:	4 x 630 KVA
	DG set as Power back-up during operation phase:	3 DG set of 300 kvA , 82.5 kvA, & 125 kvA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Using T5 LED lights in common & parking area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Hot water, Using T5 LED lights in common & parking area	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:**	24,00,000/-
	O & M cost:	1,20,000/-

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	Erosion control – dust suppression measures, barricading and top soil preservation	4,06,000/-
2	Land	Labour Camp toilets & sanitation	4,80,000/-
3	Health & Safety	Labour Safety Equipments and training	4,00,000/-

4	Environment	Environmental Monitoring	1,85,600/-
5	Health & Safety	Disinfection and Health Check-ups	51,000/-
6	Environment Managment	Environmental Monitoring cell	1,70,000/-

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	3 STP	86,23,000/-	8,70,000/-
2	Solid waste management	1 OWC	36,75,000/-	8,78,569/-
3	Landscaping	development & maintenance of green area	60,09,417/-	35,863/-
4	Rain water harvesting	-	-	-
5	Environmental Monitoring	air,water,noise,soil,waste water,OWC mannure	-	2,52,510/-
6	Renewable energy	Solar Hot Water System	24,00,000/-	1,20,000/-

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 site is located at Dhanori. Site is accessible from 12 m wide road . For internal traffic movement 6m wide driveway will be proposed.

Parking details:	**Number and area of basement:**	No
	Number and area of podia:	Area: 3613.80 sqm
	Total Parking area:	25026.51 m2
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	2047
	Number of 4-Wheelers as approved by competent authority:	629
	Public Transport:	NA
	Width of all Internal roads (m):	Width of all Internal roads: 6 m, Turning radius: 9 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	Building & construction project
	Court cases pending if any	NA
	Other Relevant Informations	EC has been received on 2/02/2017
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential & commercial Development ' Gold Coast' at SR.NO. 29 & 67,Munjabawasti ,Tingrenagar,Dhanori ,talukahaveli,Pune.Maharshtra By **M/s. Mantra 29 gold cost developers LLP.**

PP submitted their application for prior Environmental clearance fortotal plot area of 53086.93Sq. Mtrs, BUA of93273.85Sq. Mtrs and FSI area of 54210.70Sq. Mtrs.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

PP stated that due to aviation NOC there is change in BUA i.e from 12624923 to 93273.85.and height restriction from 40 m to 20 m.

DECISION OF SEAC

PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

1) PP to submit CFO NOC for phase –II.
2) PP to submit Drainage NOC.
3) PP to submit revised STP design.
4) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
5) PP to submit revised RG plan.
6) PP to submit energy saving calculations along with renewable energy details.
7) PP to submit drainage NOC
8) PP to submit NOC from tree authority.
9) PP to submit an undertaking for assured water supply.
10) PP to submit section through UGT.
11) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 if applicable.
12) PP to revise CS regarding heights of buildings D1 & D2.

FINAL RECOMMENDATION

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Residential & Commercial Development

Is a Violation Case: No

1.Name of Project	Residential & Commercial Development
2.Type of institution	Private
3.Name of Project Proponent	Shailesh Agarwal
4.Name of Consultant	Ultra-Tech
5.Type of project	Housing 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	NA
8.Location of the project	Baner, Sr. No. 30 P and 31P
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	T4/T5, 3rd floor, Metropole Building, Next to INOX Theatre, Bund Garden Road, Pune
Room Number:	--
Floor:	3rd Floor
Building Name:	Metropole Building
Road/Street Name:	Bund Garden Road
Locality:	Pune
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Yes
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 75188.7
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.)	20475.00 m2
16.Deductions	1573.87 m2
17.Net Plot area	18901.13 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 41771.5 m2
	b) Non FSI area (sq. m.): 33417.2 m2
	c) Total BUA area (sq. m.): 75188.7
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	6365.25m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33 %
21.Estimated cost of the project	8.27

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)

1	A1	LG+P+6	23.70
2	A2	LG+P+6	23.70
3	A3	LG+P+6	23.70
4	A4	LG+P+6	23.70
5	A5	LG+P+6	23.70
6	A6	LG+P+6	23.70
7	B1	2P+16	53.20
8	B2	2P+16	53.20
9	B4	2P+16	53.20
10	B5	2P+16	53.20
11	Mhada	P+11	35.45
12	Commercial	G	6.00

23.Number of tenants and shops	No. of Tenements :- 577 Shops unit:30
24.Number of expected residents / users	Residential: 2885 Nos. Commercial unit: 369 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)	9m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
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	PMC
	Fresh water (CMD):	268
	Recycled water - Flushing (CMD):	137
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	411
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	208
Wet season:	Source of water	PMC
	Fresh water (CMD):	268
	Recycled water - Flushing (CMD):	137
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	405
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	214
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	0	268	268	0	54	54	0	214	214
Domestic	0	137	137	0	0	0	0	137	137
Gardening	0	6	6	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	21-24 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	2mt X 2mt. X 2.5 mt
	Budgetary allocation (Capital cost) :	Rs. 2,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 40,000/-
	Details of UGT tanks if any :	• Domestic UG tank Capacity (CMD):404 • Flushing UG tank Capacity(CMD):208 • Firefighting (CMD):450
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	--
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	351
	STP technology:	MBBR (Anoxic-Aerobic) Process
	Capacity of STP (CMD):	2 Nos. 320 m3/day & 60 m3/day
	Location & area of the STP:	Near building B1and Mhada building
	Budgetary allocation (Capital cost):	Rs.111.18 Lacs
	Budgetary allocation (O & M cost):	Rs.16.93lacs/ annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15 kg/day
	Disposal of the construction waste debris:	internally used
Waste generation in the operation Phase:	**Dry waste:**	632 kg/day
	Wet waste:	902 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	76 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized vendor
	Wet waste:	Treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building B1
	Area for the storage of waste & other material:	65 m2
	Area for machinery:	65 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.25.75 lacs.
	O & M cost:	Rs. 5.52 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			
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 :**	8505.90 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	326
	List of proposed native trees :	326
	Timeline for completion of plantation :	within 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	Manikara zapota	Chikoo	21	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	22	Evergreen timber plant, ornamental,
3	Mimusopes elengi	Bakul	22	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	20	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	15	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	17	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	20	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	19	Evergreen medicinal plant
9	Roystonea regia	Royal palm	20	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	25	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	15	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	15	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)	as per requirment
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	2732.91 KW
	During Operation phase (Demand load):	1286.16KW
	Transformer:	3 Nos. 630 KVA each
	DG set as Power back-up during operation phase:	2 nos. of 180 KVA & 300 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:

Serial Number	Energy Conservation Measures	Saving %
1	Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar)	13 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage treatment	Not applicable	2 Nos. STP proposed
Solid wasteNot applicable	Not applicable	1 No. OWC proposed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.74.89lacs
	O & M cost:	Rs 6.32 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 Air & Noise monitoring	0.8
2	Water Environment	Tanker water for construction Water monitoring	3.8
3	Land Environment	Site Sanitation	3.00
4	Biological Environment	gardening	1.41
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	7.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment	2 Nos. STP	111.18	16.93
2	Solid waste	OWC	25.75	5.52
3	Rain water Harvesting	5 Nos Recharge pits	2.00	0.40
4	Energy	Energy	74.89	6.32
5	Green Belt	Green Belt	14.10	0.97

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	16925
	Area per car:	for open 25 m2 & cover 30 m2
	Area per car:	for open 25 m2 & cover 30 m2
	Number of 2-Wheelers as approved by competent authority:	557
	Number of 4-Wheelers as approved by competent authority:	490
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential & Commercial Development at Baner, Sr. No. 30 P and 31P by **Shailesh Agarwal.**

PP submitted their application for prior Environmental clearance fortotal plot area of 20475Sq. Mtrs, BUA of75188.7Sq. Mtrs and FSI area of 41771.5Sq. Mtrs.PP proposes to construct 11 nos. residential building and 1no. Commercial building.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

PP requested for time to submit above information; after deliberations committee asked PP to comply with the following observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

1) PP to submit details of CSR activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018 if applicable.
2) PP to submit revise RG plan and accesses for MHADA building. Also check Supreme Court directives and submit RG Plan accordingly.
3) PP to explore the possibility to relocate the MHADA bldg. and amenity plot.
4) PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.
5) PP to submit revised layout plan.
6) PP to submit details of socioeconomic infrastructure of project vicinity.
7) PP to submit DP part plan.
8) PP to submit all NOC,s.
9) PP to submit energy saving details along with renewable energy.
10) PP to submit fire tender movement plan with slope and width.
11) PP to submit revised parking layout commercial part and traffic operation isolate from residential area.
12) PP to submit parking layout plan for all level. And no parking shall be provide on UGT.
13) PP to submit parking statement and details of area per car.
14) PP to submit phase wise programme considering wind rose pattern/diagram.
15) PP to submit the revised CS regarding the cost of the project.

FINAL RECOMMENDATION

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Project Venkatesh Imperia by M/s. Raj Heramb Properties

Is a Violation Case: No

1.Name of Project	Venkatesh Imperia
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pravin Patil
4.Name of Consultant	M/s. JV Analytical Services
5.Type of project	Residential & Commercial
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	Expansion
8.Location of the project	S. No. 14/4(P), Punawale, Taluka - Mulshi, Pune
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Pravin Patil
Room Number:	Row House No.3
Floor:	-
Building Name:	Raj Vimal Terraces, plot No. 28,
Road/Street Name:	Ram Nagar Colony
Locality:	NDA road, Bavdhan
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 28027.73
13.Note on the initiated work (If applicable)	20633.76 m2 (as per old EC dated on 03/12/2016)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	9820.81 m2
16.Deductions	1997.43 m2
17.Net Plot area	7823.38 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13179.11 m2
	b) Non FSI area (sq. m.): 14848.62 m2
	c) Total BUA area (sq. m.): 28027.73
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	1491.77 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	(15.18 % of the Total Plot Area) (19.06% of the Net Plot Area)
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	A	P + 12	38.55
2	B	P + 12	38.55
3	C	P + 12	38.55
4	Commercial	G+4	16.30

23.Number of tenants and shops	Total Tenements –Residential 187 Nos. Shop – 7 Nos Offices – 27 Nos
24.Number of expected residents / users	Residential Users: 935Nos. Commercial Users: 197Nos. Total Users: 1132Nos
25.Tenant density per hectare	190
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25 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	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**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	141.85 m3/day
	Recycled water - Flushing (CMD):	47 m3/day
	Recycled water - Gardening (CMD):	5.77 m3/day
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	89.09 m3/day
	Fire fighting - Underground water tank(CMD):	150 m3
	Fire fighting - Overhead water tank(CMD):	20 m3
	Excess treated water	69.71 m3/day
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	136.08 m3/day
	Recycled water - Flushing (CMD):	47 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	89.09 m3/day
	Fire fighting - Underground water tank(CMD):	150 m3
	Fire fighting - Overhead water tank(CMD):	20 m3
	Excess treated water	75.48 m3/day
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:**	Summer Season – 16.33 m. to 20.33 m. BGL. (18.33 m. BGL Average) Rainy Season – 5.67 m. to 10.00 m. BGL. (7.84 m. BGL Average) Winter Season – 11.00 m. to 15.17 m. BGL. (13.09 m. BGL Average)
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	4
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 m. recharging pits with 60m. Deep bore well via 2 no. of 0.9 M. Dia. 1.0 M. Deep De-siltation pits
	Budgetary allocation (Capital cost) :	Rs. 6.0 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.3 Lakh/ year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 150 m3/day Flushing UG tank Capacity : 80 m3/day Fire UG tank Capacity : 150 m3/day
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	4,104.68 m3/Year
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	122.48 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	125 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 28.50 Lakh
	Budgetary allocation (O & M cost):	Rs. 6.75 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:	Excavated earth material will be used for filling of plinth area & top soil for landscaping
Waste generation in the operation Phase:	**Dry waste:**	217 kg/day
	Wet waste:	300 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	11.33 kg/day (100% dry)
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	SWACH
	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:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	60 M2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10.00Lakh
	O & M cost:	Rs 2.35 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG SET -160 KVA -1 No.	HSD- 38.3 Lits / Hrs	S-1	6.53 Mtr.	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	38.3 Lits / Hrs	38.3 Lits / Hrs
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 :**	960.93 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	167
	List of proposed native trees :	167
	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	08	Medicinal value, Drought tolerant species.
2	Albizia lebek	Shirish	08	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Anthocephalus kadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
4	Azardirachta indica	Neem	10	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	08	Every part of the plant is medicinal, Drought tolerant species.
6	Bauhinia purpurea	Gulabi kanchan	08	Every part of the plant is medicinal ,Drought tolerant species
7	Butea monosperma	Palas	05	Medicinal value, Bird attracting species ,To control soil erosion
8	Cassia fistula	Bahawa	08	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Elaeocarpus sphaericus	Rudraksh	08	Medicinal value, Bird attracting species
10	Cordia dichotoma	Bhokar	08	Medicinal value, Edible fruits
11	Dalbergia sissoo	Shisav	08	Medicinal value, Bird attracting species
12	Ficus arnottiana	Payar	08	Drought tolerant species, Bird attracting species .To control soil erosion
13	Ficus glomerata	Umber	08	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant
15	Phyllanthus emblica	Awala	04	Medicinal value, To control soil erosion.

16	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.
17	Michelia champaca	Sonchaffa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
18	Pongamia pinnata	Karanj	04	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant
19	Saraca indica	Sita-ashok	04	Medicinal value, Religious plant.
20	Syzygium cumini	Jamun	05	Medicinal value, Edible fruit.
21	Bahunia racemosa	Apta	04	Every part of the plant is medicinal, Drought tolerant species.
22	Caryota urens	Fishtail palm	03	Grown in any type of soil. Very Hardy.
23	Citrus species	Lemon	04	Medicinal value, Edible fruit.
24	Dalbergia sissoo	Shisav	04	Medicinal value, Bird attracting species
25	Erythrina indica	Pangara	02	Fragrant flowers, Drought tolerant species, Birds attracting
26	Gmelina arborea	Shivan	04	Medicinal value, Drought tolerant species, Bird attracting species.
27	Mimosups elengii	Bakul	02	Fragrant flowers, Medicinal value, To control soil erosion.
28	Murraya koengii	Kadipatta	02	Medicinal value, Edible leaves.
29	Aegle marmelos	Bel	02	Fragrant flowers, Bird attracting species.
30	Nyctanthus arbortristis	Parijatak	02	Fragrant flowers, Medicinal value,
31	Putrnjiva roxburghii	Putrnjiva	02	Medicinal value, Drought tolerant species,
32	Phoenix roebelenii	Date palm	04	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)	30KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1157 KW (1285 KVA)
	During Operation phase (Demand load):	1028 KVA
	Transformer:	315 KVA -2 Nos.
	DG set as Power back-up during operation phase:	160 KVA -1 No.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	YES

48.Energy saving by non-conventional method:

• Solar Water Heating Systems Will Be Done For Bathrooms.

• Solar lights will be provided for common amenities like Street lighting & Garden lighting.

• CFL & LED based lighting will be done in the 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 used for Water Pumps.

• To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.

• Energy Saving Achived per year – 225030 KWH/Year .
• Overall Energy Saving in % - 2.6 % / Day .

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.	11410.63 KWH
2	Up Lighter - Light Fitting For Landscape Area	175.2 KWH
3	Bollard Lighter - Light Fitting For Landscape Area	306.6 KWH
4	Street Light Fitting - Pole Light On Road Side.	1606 KWH
5	Street Light on the Bldg	1156.32 KWH
6	Energy Saving by Solar Hot Water System.	210375 KWH
7	TOTAL Annual Savings in KWH	225030 KWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not applicable	Ambient air quality monitoring to be done in once a fortnight. Green belt will be provided.
Water	Not applicable	STP will be installed & excess treated water used for flushing & gardening
Noise	Not applicable	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	Not applicable	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:**	29.0 Lakh
	O & M cost:	0.58 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 treatment plant	28.50 Lakh	6.75 Lakh/Year
2	RWH	Rain Water Harvesting	6.00 Lakh	0.3 Lakh/Year
3	MSW	Solid Waste Management	10.00 Lakh	2.35 Lakh/Year
4	Solar System	Solar System	29.0 Lakh	0.58 Lakh/year
5	Landscaping	Landscaping	20.34 Lakh	3.26Lakh/Year
6	Safety Equipment	Safety Equipment	10.00 Lakh	2.00 Lakh/Year
7	Post EC Monitoring	Post EC Monitoring	-	2.50 Lakh/year
8	Dry Waste Management	Dry Waste Management	-	1.12 Lakh / Year

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:**	-
	Number and area of podia:	-
	Total Parking area:	5718.60 m2
	Area per car:	50.16m2
	Area per car:	50.16m2
	Number of 2-Wheelers as approved by competent authority:	434
	Number of 4-Wheelers as approved by competent authority:	114
	Public Transport:	-
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	-

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Project at S. No. 14/4(P), Punawale, Taluka - Mulshi, Pune Venkatesh Imperia by **M/s. Raj Heramb Properties.**

PP submitted their application forExpansion of Environmental clearance fortotal plot area of 9820.81 Sq. Mtrs, BUA of28027.73Sq. Mtrs and FSI area of 13179.11 Sq. Mtrs.PP proposes to construct 3 nos. residential building and 1 no. Commercial building.

DECISION OF SEAC

PP remains absent, hence *SEAC decided to defer the proposal.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 65 th (A) meeting of SEAC-3.

SEAC Meeting number: 65 **Meeting Date** June 6, 2018

Subject: Environment Clearance for Proposed Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P), Charholi, Haveli Taluka, Pune by M/s. Tanish Associates

Is a Violation Case: No

1.Name of Project	Proposed Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P), Charholi, Haveli Taluka, Pune by M/s. Tanish Associates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Dilip Solanki
4.Name of Consultant	VK:e environmental, Pune
5.Type of project	Residential and 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	Gat No. 509 (P), by M/s. Tanish Associates
9.Taluka	Haveli
10.Village	Charholi
Correspondence Name:	M/s. Tanish Associates,
Room Number:	498/2/3, Tanish Srushti,
Floor:	Tanish Srushti,
Building Name:	498/2/3, Tanish Srushti,
Road/Street Name:	Alandi-Markal Road
Locality:	Alandi
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area: 35517
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.)	17,900.00 sqm
16.Deductions	614.00 m2
17.Net Plot area	Balance area of the plot :17285.96 m2 Open space: 1729.75 m2 Net Plot area: 15556.21 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35,517.88
	b) Non FSI area (sq. m.): 21998.59
	c) Total BUA area (sq. m.): 57516.47
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	4070.21
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26
21.Estimated cost of the project	1480000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A-Building	B+P+12	39.00
2	B-Building	B+P+12	39.00
3	C-Building	B+P+12	39.00
4	D-Building	B+P+12	39.00
5	E-Building	B+P+12	39.00
6	F-Building	B+P+12	39.00
7	G-Building	B+P+12	39.00
8	H-Building	B+P+12	39.00
9	I-Building	B+P+12	39.00
10	J-Building	B+P+12	39.00
11	MHADA	P+11	36.00

23.Number of tenants and shops	No. of tenements : 1012 flats Total No. of shops: 12 Residential Tenants: 5060 Commercial Tenants: 107
24.Number of expected residents / users	Residential users : 5060 Persons Commercial : 107 persons Total: 5167 persons
25.Tenant density per hectare	Residential users : 5060 Persons Commercial : 107 persons Total: 5167 persons
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Width of the road is 12 m wide. Nearest fire station: PCMC fire station Nearest Fire Station Distance : Approximately 3.0 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
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):	459
	Recycled water - Flushing (CMD):	229
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	701
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20 per wing
	Excess treated water	256
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	459
	Recycled water - Flushing (CMD):	229
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	1.5
	Total Water Requirement (CMD) :	689.5
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20 per wing
	Excess treated water	266
Details of Swimming pool (If any)	3.0 kld water will be required for makeup. a) PH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone	

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:**	7-12 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	7 bores with pits
	Size of recharge pits :	Recharge pit with bore of 20 Mt. at the bottom, Dimensions - 1.2 m x 1.2 m x 3 m depth Bore well - Dia. – 160 mm Depth – 20 Mt.
	Budgetary allocation (Capital cost) :	Rs. 60,12,000/-
	Budgetary allocation (O & M cost) :	Rs. 37,800/-
	Details of UGT tanks if any :	Drinking water demand:101.6 m3 Domestic water demand: 508.2 m3 Flush water demand: 203.3 m3 Firefighting : 400 m3
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	storm water runoff is around 3.9 cum/min.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	550
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 560 kld
	Location & area of the STP:	On ground , area: 235 sqm
	Budgetary allocation (Capital cost):	Rs. 35,00,000/-
	Budgetary allocation (O & M cost):	Rs. 14,00,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	- Dry waste (Kg/day): 12 kg/day -Wet waste (Kg/day): 18 kg/day -Total waste generated:30 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	1028 kg/day
	Wet waste:	1528.7 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	82.5 kg/day
	Others if any:	E – waste (Kg/month) : 0.8 kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	will be treated in Organic Waste Converter (OWC).
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E – waste: Will be handed over to authorized recyclers
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Area required for collection, segregation and storage including treatment: 95 m2
	Area for machinery:	Area required for collection, segregation and storage including treatment: 95 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.26,63,920 /-
	O & M cost:	Rs. 7,12,200/-

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 :**	1729.75 m2
	No of trees to be cut :	00
	Number of trees to be planted :	195
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	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	Dillenia idnica	Karambal	12	Evergreen
2	Bauhinea racemosa	Apta	4	Evergreen
3	Michelia champaca	Soan Chapha	5	Evergreen
4	Crateva religiosa	Vayavarna	6	Ornamental
5	Plumeria rubra	Chafa	5	Evergreen
6	Saraca asoca	Sita Ashok	6	Evergreen
7	Mitragnya Parvifolia	Kalamb	4	Evergreen
8	Cassia fistuia	Bahava tree	5	Ornamental
9	Mimusops elengi	Bakul	16	Evergreen
10	Millingtonia hortensis	Indian Cork Tree	8	Evergreen
11	Terminalia chebula	Hirda	4	Evergreen
12	Cerbera manghas	Sukanu	17	Ornamental
13	Syzygium cumini	Jambhul	2	Evergreen
14	Thespesia populnea	Gulbhendi	14	Evergreen
15	Pterospermum acerifolium	Muchkunda	3	Evergreen
16	Lagerstromia reginae	Jarul	8	Ornamnetal
17	Holoptelea integrifolia	Vavali	10	Ornamental
18	Cochlospermum religiosum	Ganer	5	Ornamental
19	Azadirachta indica	Limba	12	Evergreen
20	Sapindus laurifolus	Retha	5	Ornamental
21	Butea monosperma	Palas	25	Ornamental
22	Pongamia pinnata	Karaj	05	Ornamental
23	Madhuca indica	Moha	14	Ornamental
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	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	1 no. of 62.5 kvA
	During Operation phase (Connected load):	3325 KW
	During Operation phase (Demand load):	2340 KW
	Transformer:	630 kvA X 4 no.
	DG set as Power back-up during operation phase:	1 no. of 300 kvA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Energy efficient LED fixtures are proposed for bracket lights provided of all buildings.
• LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
• The estimated saving in common area lighting consumption is up to 6.30% due to adopting above measures.
• Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment.
• V3F drive motors should be used for lifts, which saves 30% energy consumption

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Energy efficient LED fixtures are proposed for bracket lights provided of all buildings. • LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area. • The estimated saving in common area lighting consumption is up to 6.30% due to adopting above measures. • Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment. • V3F drive motors should be used for lifts, which saves 30% energy consumption	16.68 %

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:**	Solar PV -Rs. 32,00,000/- Solar Hot Water System -Rs. 1,26,50,000/- Energy Saving Features -Rs. 20,90,000/-
	O & M cost:	Solar PV -Rs. 1,60,000/- Solar Hot Water System Rs. 2,53,000/- Energy Saving Features :Rs. 2,09,000/-

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	Erosion control – dust suppression measures, barricading and top soil preservation	13,65,140/-
2	Health and safety	Labour Camp toilets & sanitation	7,20,000/-
3	Health and safety	Labour Safety Equipment's and training	6,00,000/-
4	Environment	Environmental Monitoring	1,85,600/-
5	Health and Safety	Disinfection and Health Check-ups	51,000/-
6	Environmental mangement	Environmental Monitoring cell	1,70,000/-

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 plant	35,00,000/-	14,00,000/-
2	Solid waste management	Solid waste management	26,63,960/-	07,12,200/-
3	Landscaping	Landscaping	4,32,437/-	43,243/-
4	Rain water harvesting	Rain water harvesting	12,60,000/-	37,800/-
5	Environmental Monitoring	Environmental Monitoring	-	1,82,500/-
6	Solar Hot Water System	Solar Hot Water System	1,26,50,000/-	2,53,000/-
7	Solar PV	Solar PV	32,00,000/-	1,60,000/-
8	Energy Saving Features	Energy Saving Features	20,90,000/-	2,09,000/-

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 site is located at Charholi. The road network within the site has been designed to cater to the traffic loads of the project

Parking details:	**Number and area of basement:**	1 basement
	Number and area of podia:	-
	Total Parking area:	15717.60 sqm
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	2088
	Number of 4-Wheelers as approved by competent authority:	524
	Public Transport:	NA
	Width of all Internal roads (m):	7.5m
	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 Building and Construction Projects
	Court cases pending if any	-
	Other Relevant Informations	The proposed project is Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P), Charholi, Haveli Taluka, Pune by M/s. Tanish Associates
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P),Charholi, Haveli Taluka, Pune by **M/s. Tanish Associates.**

PP submitted their application for prior Environmental clearance fortotal plot area of 17900Sq. Mtrs, BUA of57516.47Sq. Mtrs and FSI area of 35517.88Sq. Mtrs.PP proposes to construct 11 no. building.

DECISION OF SEAC

PP remains absent.

SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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