Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 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

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

Specific Conditions by SEAC:

1) PP to submit Drainage NOC.
2) PP to submit NOC from Tree Authority.
3) PP to submit undertaking for CER activities.
4) PP to submit undertaking for assured water supply.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Application for expansion of construction project Atria Grande for Environmental Clearance

Is a Violation Case: No

1.Name of Project	Atria Grande
2.Type of institution	Private
3.Name of Project Proponent	Atria Constructions
4.Name of Consultant	Not required
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes vide no. SEAC 2011/CR-981/TC-2 dated 26th November 2012
8.Location of the project	S. No. 2/2/1, 2/1/1, 6/3/4
9.Taluka	Haveli
10.Village	Autade Handewadi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: in process
	Approved Built-up Area: 67463
13.Note on the initiated work (If applicable)	14000 sqm as per sanction plan vide no. PRH/NASR/442/14 dated 12/11/2014 and previous environmental clerance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	31,973.00 sq.m.
16.Deductions	1309.66 sq.m.
17.Net Plot area	30663.34 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 38,271.84
	b) Non FSI area (sq. m.): 35,674.80
	c) Total BUA area (sq. m.): 73,946.64
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)	11795.47 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38.47 %
21.Estimated cost of the project	85

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A (1)	P +11	35.14
2	B (1)	P +11	35.14
3	C (1)	P +11	35.14
4	D (1)	2 P +7	26.78
5	E (1)	P+ 11	35.14

6	F (1)	P +11	35.14
7	G (1)	P +11	35.14
8	Amenity Building	LB +UB+G+3	14.96
9	Club House (2)	G	4.2

23.Number of tenants and shops	566 tenements Shops and offices
24.Number of expected residents / users	Residential: 2830, commercial : 900
25.Tenant density per hectare	250 t /hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Slab of building A,B,C, E,F,G
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**	Autade Handewadi
	Fresh water (CMD):	274 KLD
	Recycled water - Flushing (CMD):	154 KLD + 20 KLD Car Wash = 174 KLD
	Recycled water - Gardening (CMD):	32 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	480 KLD
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	20 000 Lit
	Excess treated water	180
Wet season:	**Source of water**	Autade Handewadi
	Fresh water (CMD):	274 KLD
	Recycled water - Flushing (CMD):	154 KLD + 20 KLD = 174 KLD
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	448
	Fire fighting - Underground water tank(CMD):	200 KL
	Fire fighting - Overhead water tank(CMD):	20000 lit
	Excess treated water	212
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	274	Not applicable	27	27	Not applicable	247	247
Gardening	Not applicable	32	32	Not applicable	32	32	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	40 m
	Size and no of RWH tank(s) and Quantity:	1 tank of capacity 1,00,000 lit
	Location of the RWH tank(s):	Please refer Layout
	Quantity of recharge pits:	17
	Size of recharge pits :	1.8 m. X 1.5 m. X 1.2 m. size.
	Budgetary allocation (Capital cost) :	Rs.10,20,000 /-
	Budgetary allocation (O & M cost) :	Rs. 1,00,000 /- p.a.
	Details of UGT tanks if any :	Domestic UG tank Capacity: 760 KL Treated Water UG tank Capacity: 200 KL Fire UG tank Capacity: 350 KL
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	1189.62 m3/hr
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	385
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 400 KLD
	Location & area of the STP:	Please refer layout
	Budgetary allocation (Capital cost):	Rs. 87,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 16,49,000/- p.a.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	7488 cum
	Disposal of the construction waste debris:	Land filling on the same site
Waste generation in the operation Phase:	**Dry waste:**	585 kg/day
	Wet waste:	852 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	27 kg/day
	Others if any:	E- waste : 1000 kg/year

Mode of Disposal of waste:	**Dry waste:**	Through Authorized vendor
	Wet waste:	Through mechanized composting unit
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Through mechanized composting unit
	Others if any:	E waste: through authorized vendor
Area requirement:	**Location(s):**	Please refer layout
	Area for the storage of waste & other material:	32 sqm
	Area for machinery:	18.95 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 19,50,000 /-
	O & M cost:	6,50,000/- p.a.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7 -8.5	6.5-7.5	Not applicable
2	COD	mg/l	300-400	<30	Not to exceed 100 mg/l
3	BOD	mg/l	250-300	<10	Not to exceed 10 mg/l
4	TSS	mg/l	350-450	<5	Not to exceed 50 mg/l
5	O & G	mg/l	10	<5	Not applicable
6	TDS	mg/l	Not applicable	<1000	Not applicable
7	Total Nitrogen	mg/l as N	40-50	<10 or equal	Not applicable
8	Ammonical nitrogen	mg/l	5-7	<2 or equal	Not applicable
9	Total Phosphate	mg/l	5-7	<2 or equal	Not applicable
10	Feacal Coliform	MPN/100	1000000	Nil	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 :**	Residential : 3066.33 sqm and for Amenity space : 1149.88 sqm
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	398 proposed and 9 existing Total : 407
	List of proposed native trees :	All trees are native
	Timeline for completion of plantation :	1 year after getting environmental clearance

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica (Existing)	Neem	9	Medicinal properties
2	Azadiracta indica	Neem	29	Medicinal properties
3	Bauhinia variegate	Kanchan	57	Flowering shed tree
4	Calophyllum inophyllum	Undi	06	Native evergreen tree
5	Mimusops elengi	Bakul	48	Fragrant floering tree
6	Lagerstroemia flos reginae	Tamhan	44	Official state tree
7	Pterospermum acerifolium	Kanak Champa	20	Pollinated by bats
8	Michelia champaka	Sonchafa	32	Fragnant flowering tree
9	Manikara sapota	Chikoo	03	Fruit bearing tree attracts birds
10	Emblica officinalis	Awala	02	Fruit bearing tree attracts birds
11	Psidium guajava	Peru	03	Fruit bearing tree attracts birds
12	Magnifera indica	Mango	03	Fruit bearing tree attracts birds
13	Butea monosperma	Palash	02	Brilliant seasonal flowering
14	Dillenia indica	Chalta	36	Evergreen shed tree
15	Saraca indica	Sita Ashok	14	small flowering tree
16	Cassia Fistula	Amaltas	09	Brilliant seasonal flowering
17	Plumeria acutifolia	Chafa	11	Temple tree
18	Caryota urens	Fish Tail palm	34	Low leaf tree

19	Pongamia glabra	Karanj	41	Native evergreen tree
20	Aegle marmelos	Baelpatra	04	Medicinal and religious importance
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	3215 KW.
	During Operation phase (Demand load):	1447 KW
	Transformer:	1000 KVA – 2 No's.
	DG set as Power back-up during operation phase:	160 KVA - 01 No. & 20 KVA -01 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Energy Saving measures -
• Solar Water Heating Systems Will Be Done For Bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• 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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	339600 KWH /year
2	Auto control of street light & LED light in building	10950 KWH /year
3	LED energy efficient LAMPS – STREET LIGHT	85680 KWH/year
4	Efficient power distribution & efficient transformer	2252 KWH/year

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Water	Not applicable	STP
Biodegradable waste	Not applicable	Mechanical composter
Noise due to DG set	Not applicable	Acoustic enclosure and canopy

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.31,00,000 /-
	O & M cost:	Rs. 1,65,000/-p.a.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	0.8
2	Site Safety	Sign boards, net, labour safety	14.64
3	Site Sanitation	Treatment for waste water and waste	2.80
4	Disinfection & health check up	Medical camp	2.20
5	Environmental Monitoring	Air, Noise monitoring and water analysis	0.70

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	400 KLD capacity	87	16.49
2	Solid waste Management	Mechanical composter	19.5	6.5
3	Storm water network	Internal piping and external upto final disposal	15	0.70
4	Rain Water Harvesting	Internal piping, pits	10.20	1.0
5	Landscape	Tree plantation and landscape	47.00	5.40
6	Energy - conservation methods	Solar water heater and PV cell for common lighting	31.00	1.65
7	Environmental Monitoring	Air and Noise monitoring, Soil and water analysis	00	1.60
8	Water supply through tanker (3 months)	Tankers	00	5.40
9	Site safety training and awareness	Fire fighting awarness	9.0	00
10	Water supply in case of shortage		0	5.40

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:**	2727.94 sqm two basement
	Number and area of podia:	3182.85 sqm one basement
	Total Parking area:	16,976 sqm
	Area per car:	36 sqm and 32 sqm
	Area per car:	36 sqm and 32 sqm
	Number of 2-Wheelers as approved by competent authority:	810
	Number of 4-Wheelers as approved by competent authority:	413
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-11-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for expansion of construction project at S. No. 2/2/1, 2/1/1, 6/3/4, Autade Handewadi, Tal- Haveli by **M/s. Atria Constructions.**

PP submitted their application for prior Environmental clearance for total plot area of 31973 Sq. Mtrs, BUA of 73946.64 Sq. Mtrs and FSI area of 38271.84 Sq. Mtrs. PP proposes to construct 07 no. residential building and 1 no Amenity building.+ 2 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

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

Specific Conditions by SEAC:

1) PP to submit undertaking for implementation of renewable energy along with terrace plan.
2) PP to upload details/section of UGT.
3) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Expansion / Amendment Construction Project

Is a Violation Case: No

1.Name of Project	"River Residency" by M/s River Residency Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Ishwar C. Parmar
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	EC obtained vide letter No. SEAC-2011/CR.620/TC.2 dated 07th October 2011
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC obtained vide letter No. SEAC-2011/CR.620/TC.2 dated 07th October 2011
8.Location of the project	Gat No. 90 & 75 Part
9.Taluka	Haveli
10.Village	Chikhali
Correspondence Name:	M/s River Residency Developers,
Room Number:	Ishwar Parmar Group
Floor:	Ground Floor
Building Name:	Parmar Trade Centre 'C' Wing
Road/Street Name:	Sadhu Waswani Chowk
Locality:	Near Pune Station
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Approval Recieved
	IOD/IOA/Concession/Plan Approval Number: BP/ENV/1/2018 DATED 15.05.2018
	Approved Built-up Area: 134802.99
13.Note on the initiated work (If applicable)	EC obtained vide letter No. SEAC-2011/CR.620/TC.2 dated 07th October 2011 for Construction area 2,39,049.92m2; Out of above 1,89,291.66 m2 is already completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	232584.00
16.Deductions	153174.40 (including Resrvation Area 8733.89 , Green Belt including nature Park to be handed over 42934.69 and STP reservation 42747.07)
17.Net Plot area	79409.60
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 134802.99
	b) Non FSI area (sq. m.): 109448.75
	c) Total BUA area (sq. m.): 244251.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 134802.99
	Approved Non FSI area (sq. m.): 109448.75
	Date of Approval: 15-05-2018
19.Total ground coverage (m2)	14776.33
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.60
21.Estimated cost of the project	3050000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A-Type	P+12	38.85
2	B-Type	P+12	38.85
3	C-Type	P+12	38.85
4	D-Type	P+12	38.25
5	E-Type	P+12	38.85
6	F-Type	P+12	38.85
7	G-Type	P+12	39.85
8	H-Type	P+12	39.35
9	I-Type	P+12	39.35
10	J-Type	P+12	39.35
11	K-Type	P+12	39.35
12	L-Type	P+12	39.35
13	M-Type	P+12	38.85
14	A16a-Type + Commercial	P+12	36.60
15	A16b-Type + Commercial	P+12	36.60
16	A16c-Type + Commercial	P+12	36.60
17	A17-Type + Commercial	P+12	36.60
18	N1-Type	P+12	38.25
19	N2-Type	P+12	38.25
20	P-Type	P+12	38.25
21	Q-Type	P+12	38.85
22	R-Type	P+12	38.85
23	S-Type	P+12	39.35
24	N3-Type	P+12	38.91
25	N4-Type	P+12	39.15
26	T-Type	P+12	38.91
27	U-Type	P+12	42.00
28	V-Type	P+12	38.91
29	Club House - 1	Gr+1	10.50
30	Club House - 2 & 3	Gr	8.35

23.Number of tenants and shops	2379 – Tenements; 39 – Shops
24.Number of expected residents / users	There will be influx of 12025 people (11895residential, 130 commercial) in proposed project.
25.Tenant density per hectare	250 Tenement / hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	PCMC Fire Station – 10km away from proposed site. Width of the existing road from the nearest fire station to the proposed building is 18m

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 9m
29.Existing structure (s) if any	Existing: Building A, B, C, D, E, F, G, H, I, J, K, L, M, N1, N2, P, Q, R, A16A, A16B, A16C, A16-ABC (conv shop), A17, A17(conv shop), Club House 1, Club House 2, Multipurpose hall, Covered parking and raised open space Under Construction: Building S & N4
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**	From PCMC, Water Tankers
	Fresh water (CMD):	1093
	Recycled water - Flushing (CMD):	539
	Recycled water - Gardening (CMD):	55
	Swimming pool make up (Cum):	7
	Total Water Requirement (CMD) :	1694
	Fire fighting - Underground water tank(CMD):	1400
	Fire fighting - Overhead water tank(CMD):	560
	Excess treated water	728

Wet season:	**Source of water**	From PCMC, Water Tankers
	Fresh water (CMD):	1093
	Recycled water - Flushing (CMD):	539
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	7
	Total Water Requirement (CMD) :	1639
	Fire fighting - Underground water tank(CMD):	1400
	Fire fighting - Overhead water tank(CMD):	560
	Excess treated water	783
Details of Swimming pool (If any)	Phase 1 – 2,05,000 lits Phase 3 – 43,200 lits	

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	829	264	1093	82.9	26.40	109.3	746.1	237.60	983.7
Domestic	407	132	539	40.7	13.20	53.90	366.30	118.80	485.10
Gardening	55	00	55	55	00	55	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Wet Season 30m; Dry Season 60m
	Size and no of RWH tank(s) and Quantity:	One quarry having capacity 30,000m3
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Existing: 7 pits (Phase III) Proposed:13 pits (Phase IV)
	Size of recharge pits :	Borehole dia 150mm having depth 100ft Size of the chamber - 900mm x 1200mm x 1000mm
	Budgetary allocation (Capital cost) :	Rs. 25 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.5 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 1639m3 Fire fighting: 1400m3 Rainwater harvesting Tank: 30,000m3

35.Storm water drainage	**Natural water drainage pattern:**	Sloping from South to North
	Quantity of storm water:	2.31 m3/ sec
	Size of SWD:	Ø600mm having slope 1:120 Ø 200-Ø600mm RCC Pipes
Sewage and Waste water	**Sewage generation in KLD:**	1469
	STP technology:	MBBR
	Capacity of STP (CMD):	Two streams of 750m3 each; Total 1500m3
	Location & area of the STP:	Eastern centre of Plot
	Budgetary allocation (Capital cost):	Rs. 300 Lakhs
	Budgetary allocation (O & M cost):	Rs. 80 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	81,257m3
	Disposal of the construction waste debris:	Quantities shall be reused for filling if remained shall be disposed to authorized recycler.
Waste generation in the operation Phase:	**Dry waste:**	2091
	Wet waste:	3412
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	89
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to PCMC
	Wet waste:	Smart Organic waste composter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	North East, Centre East, West in the Plot
	Area for the storage of waste & other material:	65 m2
	Area for machinery:	140 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 70 Lakhs
	O & M cost:	Rs. 15 Lakhs/Annum

37.Effluent Charecterestics

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	100 kVA	Diesel – 19 ltr/hr	1	6	0.10	123
2	125 kVA	Diesel – 23 ltr/hr	1	6	0.10	133
3	160 kVA	Diesel – 30 ltr/hr	1	7	0.15	139
4	180 kVA	Diesel – 42 ltr/hr	2	7	0.15	139
5	320 kVA	Diesel – 55 ltr/hr	1	10	0.10	210
6	35 kVA	Diesel – 6 ltr/hr	1	5	0.10	115

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	169	48	217

41.Source of Fuel	Authorized dealer
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development	**Total RG area :**	16,152.05 m2 (including4000 Sq.m area of Nature Park)
	No of trees to be cut :	00
	Number of trees to be planted :	1327
	List of proposed native trees :	Given
	Timeline for completion of plantation :	Before 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	Millingtonia hortensis	Buchade Jhad	124	A very tall growing tree. Flowers are highly but pleasantly scented. Flowers resemble.
2	Neolamarckia cadamba	Burflower Tree	36	Indigenous to the warmer parts of India.It grows to 15-20 m tall.
3	Anthocephalus Kadamba	Kadamba	11	Shady, large tree, ball shaped flowers.
4	Azadiracta Indica	Neem Tree	90	Shady tree, grows in dry land & have medical properties
5	Bahunia Blackena	Hong Kong Orchid Tree	15	is a legume tree of the genus Bauhinia, with large thick leaves and striking purplish red flowers.
6	Bauhinea Pupurea	Phanera Purpurea	10	Phanera purpurea is a small to medium-size deciduous tree growing to 17 feet (5.2 m) tall. The leaves are 10–20 centimetres (3.9–7.9 in) long and broad,
7	Bauhinia Variegeta	Kachnar	18	This is a very popular ornamental tree in tropical climates, grown for its scented flowers and also used as food item.
8	Cordia dichotoma	Bird Lime Tree	25	The stem bark is greyish brown, smooth or longitudinally wrinkled. Flowers are short-stalked, bisexual, white in colour which open only at night.
9	Ficus benjamina	Ficus Tree	19	Ficus benjamina is a tree reaching 30 metres (98 ft) tall in natural conditions, with gracefully drooping branchlets and glossy leaves 6–13 cm (2–5 in), oval with an acuminate tip.
10	Butea Monosperma	Palas	20	It is a medium-sized dry season-deciduous tree, growing to 15 m (49 ft) tall. It is a slow growing tree, young trees have a growth rate of a few feet per year.
11	Caryato Mitis	Fishtail Palm	86	Caryota mitis has clustered stems up to 10 m (33 feet) tall and 15 cm (6 inches) in diameter. Leaves can be up to 3 m (10 feet) long. Flowers are purple, fruits dark purple or red.
12	Casia Fistula	Golden Rain Tree	73	The golden shower tree is a medium-sized tree, growing to 10–20 m (33–66 ft) tall with fast growth.
13	Cordia Sebastina	Shrubby Tree	40	Cordia sebestena grows to a maximum height of 25-30 feet at maturity, with a nearly equal spread. The crown is round to vase-shaped. Branches tend to be somewhat drooping, and the tree is naturally multitrunked.
14	Erythrina Indica	Parijat	35	The tree is considered ornamental and has pleasant fragrance.

15	Euphorbia Caracasana	Uforbia Caracasana	23	The deep red leaves stand out anywhere. Plants are hardy and quick growing.
16	Artocarpus heterophyllus	Jack-fruit	16	The jackfruit, also known as jack tree, jakfruit, or sometimes simply jack or jak, is a species of tree in the fig,
17	Syzygium cumini	Jambhul	55	The name of the fruit is sometimes mistranslated as blackberry, which is a different fruit in an unrelated family.
18	Neolamarckia cadamba	Bur Flower Tree	23	A fully mature kadam tree can reach up to 45 m (148 ft) in height. It is a large tree with a broad crown and straight cylindrical bole.
19	Pongamia Pinnata	Karanj	20	Leaves used for green manuring branches used as tooth brush seeds for oil, used for soil conservation.
20	Lagerstromia Spaciosa	Pride Of India	14	Agerstroemia speciosa, also known by the common name Pride-of-India, is a shrub to large tree with multiple.
21	Mangifera Indica	Mango	25	Fruit tree
22	Michelia Champaca	Champak	15	In its native range Magnolia champaca grows to 50 metres (160 ft) or taller. Its trunk can be up to 1.9 metres (6.2 ft) in diameter.
23	Lagerstromia flosreginae	Crepe myrtle	12	It reaches maturity between 6 and 8 years of age and lives for up to 40 years. It is a versatile tree which can grow in various soil types and climates with a preference for moist climates.
24	Mimosups Elengi	Bakul	14	Leaves are glossy, dark green, oval-shaped, 5–14 cm (2.0–5.5 in) long, and 2.5–6 cm (0.98–2.36 in) wide.
25	Putranjiva Roxburgii	Putravanti	9	A small evergreen tree with drooping branches (looks like and mistaken for Asopalav).
26	Saraca Indica	Ashoka Tree	70	The ashoka is prized for its beautiful foliage and fragrant flowers. It is a handsome, small, erect evergreen tree, with deep green leaves growing in dense clusters.
27	Spathodia Companulata	Flame Of The Forest	12	The flower bud is ampule-shaped and contains water. These buds are often used by children who play with its ability to squirt the water.
28	Tabebuia Argentia	Silver Trumpet Tree	12	The leaves are palmately compound, with five or seven leaflets, each leaflet 6–18 cm long, green with silvery scales both above and below.

29	Tabebuia Rosea	Rosy Trumpet Tree	8	The tree crown is wide, with irregular, stratified ramification and only few thick branches
30	Tecoma Gaudichaudi	Gaudi Chaudi	22	It is amongst the brightest yellow you can have in your garden.Native of West Indies & Texas to Argentina.
31	Terminalia Mentalle	Miniature Badam	55	Terminalia mantaly is a deciduous or evergreen tree with conspicuously layered branches, growing 10 - 20m tallx
32	Psidium sp	Peru Tree	12	Cascabela thevetia is an evergreen tropical shrub or small tree. Its leaves are willow-like, linear-lanceolate, and glossy green in color.
33	Manikera zapota	Chiku	16	They are flowering plants Most palms are distinguished by their large, compound, evergreen leaves, known as fronds, arranged at the top of an un-branched stem.
34	Proposed	tree	list	-
35	Mimusopes elengi	Bkul	98	flowering tree
36	Millingtonia hortensis	buch tree	10	leaves are glossy
37	Albizia lebback	shirash	8	Bird attracting tree
38	Ficus benghalensis	wad	1	Bird attracting tree
39	Ficus religosa	pimpal	1	fruit bearing Bird attracting tree
40	Neolamarckia cadamba	cadamba tree	8	Indigenous tree
41	Mangifera indica	Mango tree	10	fruit bearing and Bird attracting tree
42	Cassia fistula	Golden shower	72	Golden shower tree
43	Psidium sp.	Peru tree	3	fruit bearing and Bird attracting tree
44	Artocarpus heterophyllus	jackfruit	15	fruit bearing tree
45	Ficus benjamina	Weeping tree	60	Tree reaching upto 30 meter
46	Nature	Park	Tree	lLst
47	Phylanthus emblica	Amla	4	fruit bearing and Bird attracting tree
48	Tamarindus indica	Chinch	23	Produces pod like fruit
49	Manikera zapota	Chiku tree	1	fruit bearing tree
50	Psidium sp.	Peru tree	12	Fruit bearing tree
51	Syzium cumini	Jambhul tree	5	Fruit bearing tree
52	Neolamarckia cadamba	Cadamba tree	6	ornamental tree
53	Khaya senegalansis	Khaya tree	10	Mohagany tree bark is dark gray
54	Butea monosperma	flame tree	10	Bird attracting tree
55	Mangifera indica	Mango tree	23	Fruit bearing tree
56	Roystonia regia	Royal Palm	24	The trunk is stout very smooth and gray brown
57	Existing	tree	list	

58	Vachellia nilotica	Babool	11	Gum tree
59	Mangifera indica	Mango tree	3	IFruit 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	Plam Row	2.81m	95.80
2	Areca Palm	1.20m	34.20
3	Budda Belly Bamboo	1.20m	42.71
4	Alpinea Red Ginger	0.60m	25.86
5	Helliconia Psittacorum	0.60m	28.04
6	Raphis Excelsa	0.75m	24.33
7	Murraya Exotica	0.60m	16.92
8	Gardenia Jasminoides	0.60m	16.29
9	Duranta erecta	-	0.30
10	Duranta repens	-	0.30
11	Nerium oleander	-	0.40
12	Nerium oleander	-	0.30
13	Bougainvillea glabra	-	0.40
14	Tecoma castanifolia	-	0.60
15	Taberna montana	-	0.30
16	Plumbago auriculata	-	0.40
17	Cassia biflora	-	0.60
18	Allamanda schotty	-	0.30
19	Lagestromia indica	-	0.60
20	Hamelia patels	-	0.30
21	Tecoma stanse	-	0.60
22	Acalypha wikesiana	-	0.30
23	Cortaderia selloana	-	0.60

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	49 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	10072KW / 11131 KVA
	During Operation phase (Demand load):	8005KW / 8548 KVA
	Transformer:	14 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	1x320kVA, 1x 160kVA, 1x 125kVA, 2x 100kVA, 1x 35kVA & 2x 180kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto time control for external & common lighting
CFL, LED for common area lighting
Solar powered water heating
Electronics V3F Drives

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED for common area lighting	37%
2	Solar powered water heating	5,994 KW

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Capacity – 2 x 750m3	NA
OWC	4 x 150kg and 2 x 1000kg	1 x 150kg and 1 x 1000kg
DG Set	Stacks of 1x320kVA, 1x 160kVA, 1x 125kVA, 1x 100kVA & 1x 180kVA	Stack of 1x 180kVA, 1x 35kVA,

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 240 Lakhs
	O & M cost:	Rs. 38 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	Water For Dust Suppression, air and noise monitoring	1.50

2	Water	Tanker water for construction, water monitoring	21.50
3	Land	Site Sanitation	7.23
4	Biological	Gardening	6.00
5	Socio-Economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, Crèches for children, Personal Protective Equipment, CFL lamps for labour hutments	12.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	300	80
2	Rain Water Harvesting	RWH pits+ quarry and piping	25	1.5
3	Solid waste	OWC	70	15
4	Environmental monitoring	Air, water, soil monitoring & analysis	--	1.0
5	Land	Gardening	250	60
6	Energy conservation	Solar water heating & Solar PV	215	3.5
7	swimmig Pool	swimming pool Phase 1 (157 Cum + 48 Cum) Swimming Pool Phase 4 43 Cum	42.4	4.2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	DP shows three roads i.e. 18m along river, 24m south of the plot and 18m road pass through the plot, along with 30m arterial Moshi – Chikhali road.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	48576.80
	Area per car:	30m2
	Area per car:	30m2
	Number of 2-Wheelers as approved by competent authority:	4808
	Number of 4-Wheelers as approved by competent authority:	1206
	Public Transport:	Nearest bus stop Chikhali bus depot (2km)
	Width of all Internal roads (m):	12m, 9m, 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	8b (B1)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-02-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

M/s. River Residency Developers.

Environment clearance for expansion /amendment in construction project “River Residency” at Gat No. 90,Village chikhali,Tal.Haveli ,Dist.Pune .(New Case)

PP submitted their application for prior Environmental clearance for total plot area of 2,31,000.00 Sq. Mtrs, BUA of 2,42,847.70 Sq. Mtrs and FSI area of 1,33,687.48 Sq. Mtrs. PP proposes to construct 28 nos. of residential buildings, having maximum height of 39.85 Mtrs, 39 nos. of shops.& 3 Nos. of club house.

PP has obtained earlier EC no. SEAC-2011/CR-620/TC-2 dated 07.10.2011 for total plot area of 2,31,000.00 Sq. Mtrs, BUA of 2,39,049.29 Sq. Mtrs and FSI area of 1,45,241.63 Sq. Mtrs comprising of 32 nos.of residential buildings & 39 nos. of convenient shops.

During deliberation, PP informed that construction of BUA 1,85,350.67 Sq.Mtrs. of Phase I (13 Buildings of Stilt+12), Phase II (3 Buildings of G+11 and one Commercial),Phase III (1 Buildings of G+11 and Commercial , Phase IV (5 Buildings of G+12 completed and 2 under construction) and Parking area services , Common services, Terrace & Arch projections is completed as per earlier EC. Now, PP has applied for expansion/ amendment in earlier EC.

During deliberation, Committee noted that approximately about 4000 Sq.Mtrs. of BUA is increased in earlier EC, therefor PP suo-moto makes changes in earlier submitted EIA and uploaded on website. But as the baseline data used for preparation of earlier EIA valid only for three years and environmental parameters are also changed. Therefor, Committee suggested PP to withdraw EIA uploaded on site and prepare fresh EIA.

In the light of EIA Notification 2006 and amendment thereof issued by MoEF, SEAC III is required to give TOR’s to the proposals in the category 8(B) B1. The proposal was discussed on the basis of draft TOR as presented by the PP. All issues related to environment, including air, water, noise, soil, ecology and biodiversity and social aspects were discussed and decided to grant the TOR.

Now this committee took up the compliance report and other documents submitted by Proponent for examination. The proposal is appraised as category 8 (b) B1.during discussion representative of PP stated that they have obtained the earlier EC for total plot area 231000 but now the area is deducting. Committee ask to submit revised CS along with an earlier compliance.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit cross section through the internal road showing Distance and the space left for SWD, plantation of trees and compound wall.
2) PP to submit undertaking for implementation of renewable energy along with terrace plan.
3) PP to submit details/section of UGT.
4) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for New Construction project

Is a Violation Case: No

1.Name of Project	"Silver Town"
2.Type of institution	Private
3.Name of Project Proponent	Mr. VinodkumarJaichandlal Mittal
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	"Residential & Commercial Development"
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No 324, 326, 330, 335, 336, 337, 338, 339, 343, 344, 345 Village Shindewadi, TalukaKhandala, Dist.-Satara, State- Maharashtra.
9.Taluka	Khandala
10.Village	Shindevadi
11.Area of the project	Town Planning/Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Received part snaction , we have applied for full
	IOD/IOA/Concession/Plan Approval Number: Received part snaction , we have applied for full
	Approved Built-up Area: 99776.34
13.Note on the initiated work (If applicable)	No work initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	71,300
16.Deductions	15,854.00
17.Net Plot area	55,446.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 69,136.51
	b) Non FSI area (sq. m.): 30,639.83
	c) Total BUA area (sq. m.): 99776.34
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)	11,979.10
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.80
21.Estimated cost of the project	1610900000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Wing (A, B1, B2, C1, C2) 5 bldg	P+7	23.00
2	B Wing (D1, D2, E1, E2, F1, F2) 6 bldg	P+7	23.00
3	C Wing (G, H & I) 3 bldg	P+7	23.00
4	Club House 1	G +1	7.85

5	Club House 2	G +1	7.85
6	Club House 3	G +1	7.85
7	Club House 4	G +1	7.85

23.Number of tenants and shops	78 Shop+ 1248 flats
24.Number of expected residents / users	Residential user: 6,240 Nos Commercial user:347Nos
25.Tenant density per hectare	226/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	50 m wide external road, nearest fire station Bhor fire station.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9.00 m
29.Existing structure (s) if any	None
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Local Body
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	291
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	889
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	479
Wet season:	**Source of water**	Local Body
	Fresh water (CMD):	567
	Recycled water - Flushing (CMD):	291
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	858
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	140
	Excess treated water	510
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	567	567	Not applicable	57	57	Not applicable	510	510
Domestic	NA	291	291	NA	00	00	NA	291	291
Gardening	NA	31	31	NA	31	31	NA	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon :15 to 20m below Post monsoon : 7 to 10m below
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	31 Recharge pits
	Size of recharge pits :	3 m X 3 m X 3 m
	Budgetary allocation (Capital cost) :	Rs. 93 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.86 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 978 Flushing tank Capacity(cum) 309.5 Fire UG tank Capacity (cum) 300
35.Storm water drainage	**Natural water drainage pattern:**	West to North east
	Quantity of storm water:	0.68 m3/sec
	Size of SWD:	900 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	801
	STP technology:	MBBR
	Capacity of STP (CMD):	2 No. - 1 STP for Phase 1 & 2 of 685 KLD capacity AND 1 STP for Phase 3 of 170 KLD capacity
	Location & area of the STP:	STP 1: Behind B2Bldg – 290.69 m2 STP 2: Near I Bldg – 90.00 m2
	Budgetary allocation (Capital cost):	Rs. 221.59 Lakh
	Budgetary allocation (O & M cost):	Rs. 27.73 Lakh/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:	Quantity of the top soil to be preserved: 38,893 m3 Disposal of the construction way debris: back filling and road WBM work within site.
Waste generation in the operation Phase:	**Dry waste:**	869 kg/day
	Wet waste:	2026 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	171 kg/day
	Others if any:	E Waste - Negligible

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E Waste - will be handed over to authorised agency
Area requirement:	**Location(s):**	OWC 1: NearB2Bldg OWC 2: Near B1 & C1 Bldg OWC 3: Near I Bldg
	Area for the storage of waste & other material:	230.85 m2 (total 3 OWC)
	Area for machinery:	considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 59.34 lakhs
	O & M cost:	Rs.10.66 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	1 DG Set of 225 kVA	HSD - 38.6Kg/hr	1	3.5	0.15	543
2	2 DG Sets of 180 kVA	HSD - 31.8Kg/hr x 2	2	3	0.12	538

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5544.60 m2
	No of trees to be cut :	None
	Number of trees to be planted :	705
	List of proposed native trees :	All Native
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Spathodea campanulata	African tulip tree	62	Significant environmental weed. Nectar for bird. Evergreen tree. Taraditional medicinal use.
2	Azadrica indica	Neem	50	Helpful for regular rainfall, Natural fertilizer, Ability for temperature moderate.
3	Lagerstroemia flos-regineae	Tamhan	90	Soil erosion control tree, Avenue tree. Ornamental tree.
4	Michelia champaka	Champaca	88	Fragrant flowering tree. Bird & butterfly attractive tree.
5	Butea monosperma	Palas/ Flame of forest	54	Medicinal use of tree. Erosion control : Monosperma to stabilize field bunds.
6	Cassia fistula	Bahava tree	112	Tree has medicinal properties. Environmental weed. Evergreen, ornamental tree
7	Peltopherum	Copper pod	62	Agroforestry Ornamental Revegetation
8	Plumeria alba	Frangipani white	81	Fragrant flowering tree. Plants will grow quickly in full sun on a variety of well-drained soils and are fairly droughtand salt-tolerant.
9	Erythrina indica	Indian coral tree	80	Wind breaking tree
10	Mangifera indica	Mango tree	26	Shady tree. Noise reduction tree. Bird attractive tree.
11	Total	Total	705	-
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)	33 KW
	DG set as Power back-up during construction phase	50kVA
	During Operation phase (Connected load):	4618.18 kW
	During Operation phase (Demand load):	2868 kVA
	Transformer:	630 kVA - 5 Nos.
	DG set as Power back-up during operation phase:	1 x 225 kVA, 2 x 180 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Solar PV panels
Solar water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common area & external landscape and facade lighting. 2) Light Emitting Diode (LED) will be used for corridors Lobbies and common areas. 3) Energy efficient LED lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs 4) All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliabil	46 %
2	125 Ltr Solar water is provided for each flat of proposed buildings .	96 %
3	Solar PV panel system is proposed for Street lighting & Building common load., Solar PV of 7 KW is proposed for Common Area Lighting lighting.	41 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	----	2 STP with MBBR technology
OWC	----	3 Organic waste composting machine
DG Set	-----	Stack as per CPCB guidelines

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 221.10 Lakhs
	O & M cost:	Rs. 21.58 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Tanker Water For Construction	1.60
2	Water	Water Monitoring	0.42
3	Air	Water For Dust Suppression	0.64
4	Air	Air & Noise Monitoring	1.33
5	Land	Site Sanitation- Mobile toilets	1.90
6	Biological	Gardening Set Up	8.77
7	Socio Economic	Disinfection- Pest Control	0.24
8	Socio Economic	First Aid Facilities	0.13
9	Socio Economic	Health Check Up	2.40
10	Socio Economic	Creches For Children	10.96
11	Socio Economic	Personal Protective Equipment	1.80
12	Energy Conservation	CFL Lamps For Labour Hutments	2.43
13	Total	Total	32.62

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	2 STPs	221.59	27.73
2	Environmental Monitoring	MoEF & CC approved laboratory	MoEF & CC approved laboratory	15.71
3	Gardening	Gardening and plantation	189.63 (Transplantation cost included)	50.00
4	Solid waste	3 OWCs	59.34	10.66
5	Energy Saving	Energy Conservation Measures	221.10	21.58
6	Storm water line	Lying of Storm water line	30.00	3.00
7	Rain Water Harvesting	31 RWH Pits	93.00	1.86
8	Drainage pumping cost	Drainage pumping cost	7.60	2.43
9	Total	Total	822.26	132.97

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:**	None
	Number and area of podia:	None
	Total Parking area:	6006.50
	Area per car:	For stilt : 30 m2 For Uncovered Parking: 25 m2
	Area per car:	For stilt : 30 m2 For Uncovered Parking: 25 m2
	Number of 2-Wheelers as approved by competent authority:	1470
	Number of 4-Wheelers as approved by competent authority:	163
	Public Transport:	NA
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	No
	Other Relevant Informations	Case presented in 55th SEAC meeting, as per the MOM submitting herewith the revised forms.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-06-2016

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 "Silver Town" atGat No 324, 326, 330, 335, 336, 337, 338, 339, 343, 344, 345 Village Shindewadi, TalukaKhandala, Dist.-Satara. (Compliance case)

PP submitted their application for prior Environment Clearance for total plot area of 71,300.00 Sq. Mtrs, BUA of 99,776.34.67 Sq. Mtrs and FSI area of 69,136.51 Sq. Mtrs. PP proposes to construct 14 nos. of residential buildings having maximum height of 23.00 Mtrs.,4 Nos. of club house and 78 shops.

The case was earlier considered in 49th meeting of the SEAC - III held from 22nd to 24th June, 2016. The case was considered in the 55th meeting of SEAC-III held from 4th to 8th October, 2016 when the case is deferred as data submitted and data presented were different; the proposal will be considered only after resubmission of correct project details. The case was again considered in the 57th meeting of SEAC-III held from 22th to 23rd June, 2017 ,when the case is postponed.

Now, during the meeting committee noted that as per notification dated 09/12/2016 MOEF &CC, building and construction projects having built up area ≤1,50,000 Sq.Mtrs., the integrated environmental conditions with the building permission being granted by the local Planning authority. Accordingly, MOEF&CC by their order dated 07/07/2017 concurred that the environmental clearance for building and construction projects up to 1,50,000 square meter stand integrated with Development Control regulations (DCR) of all Municipal Corporations, Municipal Councils and all Special Planning Authorities in Pune and Kokan Division.

During the meeting , Committee noted that the total built up area of project is 99,776.34Sq.Mtrs. but project doesn't fall under jurisdiction of Municipal Corporations, Municipal Councils and any Special Planning Authority of Pune division as mentioned in order dated 07/07/2017 of MOEF&CC. Therefore, Committee decided to appriasethe proposal.

PP submitted their application for Prior Environmental clearance for total plot area of 71300 Sq. Mtrs, BUA of 99776.34 Sq. Mtrs and FSI area of 69136.51 Sq. Mtrs. PP proposes to construct 14 no. residential building and 4 no.Club house.

The compliance case was discussed on the basis of the documents and compliance 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

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

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to submit undertaking for implementation of renewable energy along with terrace plan.
3) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 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 remained 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 of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Environment Clearance for project By M/s. Sai Tirupati Properties

Is a Violation Case: No

1.Name of Project	Sai Tirupati Greens
2.Type of institution	Private
3.Name of Project Proponent	Mr. Suresh Vitthalrao Patil
4.Name of Consultant	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	Yes
8.Location of the project	S. No. 131/2, 131/1/1A/1/2, 131/1/1A/2, Wadmukhwadi, Tal-Haveli, Pune.
9.Taluka	Haveli
10.Village	Wadmukhwadi,
Correspondence Name:	Mr. Suresh Vitthalrao Patil
Room Number:	A-56,
Floor:	-
Building Name:	Vitthal Vishwa
Road/Street Name:	Kasturba Co-Operative Housing Society Ltd., Vishrantwadi
Locality:	Pune
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Recieved
	IOD/IOA/Concession/Plan Approval Number: BP/layout/Wadmukh/11/20
	Approved Built-up Area: 75641.16
13.Note on the initiated work (If applicable)	29171.53 m2 as per old EC dated on 21/09/2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	20% of net plot Area (3961.88 m2 Built Up Area)
15.Total Plot Area (sq. m.)	32000 m2
16.Deductions	12198.94 m2
17.Net Plot area	19801.06 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26699.21 m2 + 3961.88 m2 MHADA
	b) Non FSI area (sq. m.): 44980.07 m2
	c) Total BUA area (sq. m.): 75641.16
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 30661.09
	Approved Non FSI area (sq. m.): 44980.07
	Date of Approval: 27-04-2017
19.Total ground coverage (m2)	3891.82 m2 (Including MHADA BLDG)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.65 % of Net Plot Area (19801.06 m2) 12.16 % of Total Plot Area (32000 m2)
21.Estimated cost of the project	1250000000

22.Number of buildings & its configuration

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

1	A	P+12	38.35 m
2	B	P+12	38.35 m
3	C	P+12	38.35 m
4	D	P+12	38.35 m
5	E	P+12	38.35 m
6	F	P+P+7	29.85 m
7	MHADA Bldg.	P+10	32.045 m
8	Parking	G+1	--
9	I (Commercial)	Ground floor	6.40

23.Number of tenants and shops	Residential- 547+ 77 (MHADA) = 624 nos. Commercial –816.70 m2 Shop – 20 Nos
24.Number of expected residents / users	Residential Users: 2735 Nos. + 385 Nos (MHADA) =3120 Nos. Commercial Users: 160 Nos. Total Population: 3280 Nos.
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)	60 m (Alandi Road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	284.5 m3/day
	Recycled water - Flushing (CMD):	144.40 m3/day
	Recycled water - Gardening (CMD):	32.4 m3/day
	Swimming pool make up (Cum):	0.5 m3/day
	Total Water Requirement (CMD) :	461.29 m3/day (one Time)
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	140 m3
	Excess treated water	209.2 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	284.5 m3/day
	Recycled water - Flushing (CMD):	144.40 m3/day
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	0.5 m3/day
	Total Water Requirement (CMD) :	428.89 m3/day (one Time)
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	140 m3
	Excess treated water	241.6 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 39 Ft X 21 Ft Baby Pool – 9.5 Ft X 9.5 Ft Total water Requirement in: 100 m3 Water requirement : 0.5 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: • Capital cost : Rs. 15.50 Lakh • O & M Cost : Rs. 2.00 Lakh/Year	

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:**	8 to 15 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 NOS
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 3.75 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.56 Lakh/Year
	Details of UGT tanks if any :	Drinking UG tank Capacity : 71.40 m3 Domestic UG tank Capacity : 354.60 m3 Flushing UG tank Capacity : 144.40 m3 Fire UG tank Capacity :250 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	15.56 m3
	Size of SWD:	300 mm, 450 mm Channel, 450 mm Diameter Outlet
Sewage and Waste water	**Sewage generation in KLD:**	385.99 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no -350 m3/day & 1 no.-50 m3/day
	Location & area of the STP:	208.45 m2
	Budgetary allocation (Capital cost):	STP – 1 Rs. 1.22 Cr. & STP - 2 Rs. 31.00 Lakh
	Budgetary allocation (O & M cost):	STP – 1 Rs. 6.00 Lakh/year & STP - 2 - Rs. 4.00 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	571 Kg/Day + 77.00 Kg/Day
	Wet waste:	837 Kg/day + 116 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35.27 kg/day
	Others if any:	Na

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:	NA
Area requirement:	**Location(s):**	--
	Area for the storage of waste & other material:	80 m2 & 28 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	OWC 1- Rs. 22.75 Lakh & OWC 2 - Rs. 11.25 Lakh
	O & M cost:	OWC 1- Rs. 5.24 Lakh/ Year & OWC 2 - Rs. Rs. 2.17 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	1 no.-125 KVA	27.4 Litr/Hr on 100% Loadinging	S-1	2.5mtr	to be provided	to be provided
2	1 no.-250 KVA	56.9 Litr/Hr on 100% Loading	S-2	3.5mtr	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	-	84.3 Litr/Hr	84.3 Litr/Hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		

42.Mode of Transportation of fuel to site	By roadway

43.Green Belt Development	**Total RG area :**	2886.89 m2 (Res +comm.) +220.34 m2 (MHADA) = 3107.23 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	348 Nos
	List of proposed native trees :	348 Nos
	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	Caryota urens	Fish Tail Palm	12	Grown in any type of soil. Very Hardy
2	Bahunia racemosa	Apta	12	Every part of the plant is medicinal, Drought tolerant species
3	Citrus species	Lemon	12	Medicinal value, Edible fruit.
4	Dalbergia sissoo	Shisav	12	Medicinal value, Bird attracting species
5	Erythrina indica	Pangara	12	Fragrant flowers, Drought tolerant species, Birds attracting
6	Gmellina arborea	Shivan	12	Medicinal value, Drought tolerant species, Bird attracting species.
7	Mimosups elengii	Bakul	12	Fragrant flowers, Medicinal value, To control soil erosion
8	Phoenix roebelenii	Date Palm	12	Ornamental plant, Medicinal value, Birds & bats eat fruits.
9	ChoclAegle mamelos	Bel	8	Medicinal value, Edible fruit
10	Murraya koengii	Kadipatta	8	Medicinal value, Edible leaves
11	Nyctanthus rbortnstis	Parijatak	8	Fragrant flowers, Medicinal value
12	Putrnjiva roxburghii	Putrnjiva	8	Medicinal value, Drought tolerant species
13	Azadirecta indica	Neem	20	Medicinal value, To control soil erosion. To improve soil erosion
14	Albizzia lebbek	Shirish	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
15	Anthocephallus kadamba	Kadamb	12	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
16	Bahunia blackiana	Kanchan-raj	12	Every part of the plant is medicinal, Drought tolerant species
17	Bahunia purpurea	Gulabi Kanchan	12	Every part of the plant is medicinal, Drought tolerant species.

18	Butea monosperma	Palas	12	Medicinal value, Bird attracting species , To control soil erosion.
19	Cassia fistula	Bahava	12	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
20	Cordia dichotoma	Bhokar	12	Medicinal value, Edible fruits
21	Dalbergia sissoo	Shisav	12	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds
22	Elaeocarpus sphaencus	Rudraksh	12	Medicinal value, Native species
23	Ailanthus excelsa	Maharukh	12	Medicinal value, To control soil erosion
24	Ficus microcarpa	Nandruk	12	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant
25	Phaylanthus embelica	Awla	12	Medicinal value
26	Mangifera indica	Mango	8	Edible fruit, Bird attracting species.
27	Ficus arnottiana	Payar	8	Drought tolerant species, Bird attracting species. To control soil erosion.
28	Saraca indica	Sita Ashok	8	Medicinal value, Religious plant.
29	Syzygium cumini	Jamun	8	Medicinal value, Edible fruit
30	Ficus glomerata	Umber	8	Medicinal value, Edible fruits, Bird attracting species
31	Michelia champaca	Sonchafa	8	Fragrant flowers, Medicinal value,
32	Pongamia pinnata	Karanj	8	Medicinal value, Drought tolerant species, To control soil erosion. Hardy 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	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50KW
	DG set as Power back-up during construction phase	62.5 KVA – 2 No.
	During Operation phase (Connected load):	2516.5 KVA
	During Operation phase (Demand load):	1765.1 KVA
	Transformer:	3 Nos.630 KVA
	DG set as Power back-up during operation phase:	1 x 125 KVA & 1 x 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Using LED in Parking area, lift-lobby and stair-case .
2. Using LED in Place of Metal Halide in
External Lights..
3. Using Solar Water Heaters in each Flat master toilet.
4. Using 30% Lighting in common area and 50%street lights on solar energy

• % of saving by adopting above energy conservation methods: 21%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy saved using LED	22.8 KW
2	Total energy saved from LED lamps	2.1 kw
3	Total energy saved from external lighting	3.1 kw
4	Total energy saved in amenity area lighting is	0.7 kw
5	Total KW saved by solar water heater	936 kw
6	Total energy saved in residential area	969.4 kw

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not applicable	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:**	Rs.48.56 Lakh
	O & M cost:	Rs. 2.42 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 1	Sewage Treatment plant	122.00 Lakh	6.00 Lakh/Year
2	STP 2	Sewage Treatment plant	31.00 Lakh	4.00 Lakh/Year
3	RWH	Rain Water Harvesting	3.75 Lakh	0.56 Lakh/Year
4	MSW-1	Organic Waste Converter	22.75 Lakh	5.24 Lakh/Year
5	MSW -2	Organic Waste Converter	11.25 Lakh	2.17 Lakh/Year
6	Swimming Pool	-	15.50 Lakh	2.00 Lakh/Year
7	Energy System	-	48.56 Lakh	2.42 Lakh/Year
8	Landscaping	-	62.00 Lakh	9.85 Lakh/Year
9	Safety Equipment	-	10.00 Lakh	2.00 Lakh/Year
10	Post EC Monitoring	-	-	2.50 Lakh/Year
11	Dry Waste Management	-	-	3.74 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:**	NA
	Number and area of podia:	-
	Total Parking area:	15578.40 m2
	Area per car:	47.20 m2
	Area per car:	47.20 m2
	Number of 2-Wheelers as approved by competent authority:	1302
	Number of 4-Wheelers as approved by competent authority:	330
	Public Transport:	-
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-01-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for project By at S. No. 131/2, 131/1/1A/1/2, 131/1/1A/2, Wadmukhwadi, Tal-Haveli, Pune.by M/s. Sai Tirupati Properties

PP submitted their application for expansion of Environmental clearance for total plot area of 32000 Sq. Mtrs, BUA of 75,641.16 Sq. Mtrs and FSI area of 26699.21 + 3961.88 Sq. Mtrs. MHADA. PP proposes to construct 7 no. residential 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

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

Specific Conditions by SEAC:

1) PP to upload revised plan for connecting storm water drain connections to PCMC line.
2) PP to submit Water NOC.
3) PP to submit undertaking for implementation of renewable energy along with terrace plan.
4) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Residential & Commercial Project

Is a Violation Case: No

1.Name of Project	Park Landmark
2.Type of institution	Private
3.Name of Project Proponent	Mr. D. P. Jain
4.Name of Consultant	ULTRA-TECH (Environmental Consultancy & Laboratory)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	modernization-amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, received EC for earlier project from SEAC vide letter No. EAC-2013/CR 561/TC-2 dated 01.12.2014
8.Location of the project	S. No. 665/A Bibwewadi
9.Taluka	Haveli
10.Village	Bibwewadi
Correspondence Name:	Mr. D. P. Jain
Room Number:	-
Floor:	5th floor
Building Name:	Pride House
Road/Street Name:	Pune university road
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	PMC Sanction Plan with commencement certificate.
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate Received No. CC/3034/15 dated 21/12/2015 (Approved FSI)
	Approved Built-up Area: 28843.70
13.Note on the initiated work (If applicable)	Work initiated as per earlier EC letter received from SEAC letter No. EAC-2013/CR 561/TC-2 dated 01.12.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	20,154.48 m2
16.Deductions	620 m2
17.Net Plot area	17481.03 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27,574.62 m2
	b) Non FSI area (sq. m.): 22593.32 m2
	c) Total BUA area (sq. m.): 50168
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17514.47
	Approved Non FSI area (sq. m.): 8566.16
	Date of Approval: 17-10-2017
19.Total ground coverage (m2)	3277.24+6206.45= 9483.69 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.25 %
21.Estimated cost of the project	976600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A-B TYPE	P +P+12	37.62
2	C-D TYPE	P +P+12	37.80
3	EF-TYPEResidential + commercial	P +P+11	35.99
4	Club House	G	6.95

23.Number of tenants and shops	Total tenements – 274 Shops - 22 Nos.
24.Number of expected residents / users	Residential : 1370 Nos. & Commercial: 250 Nos.
25.Tenant density per hectare	146.86 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	1) Dhankawadi: 1.0 Km. 2) Bibwewadi: 2.7 Km. Width of the road from the nearest fire station to the proposed building 18.m. 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	7.5m
29.Existing structure (s) if any	Construction completed as per earlier EC is 14,888.65 m2 Bldg. A-B Type P +P+12
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**	Pune Municipal Corporation
	Fresh water (CMD):	129
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	232
	Fire fighting - Underground water tank(CMD):	400m3
	Fire fighting - Overhead water tank(CMD):	20m3
	Excess treated water	73 m3
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	129
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	202
	Fire fighting - Underground water tank(CMD):	400m3
	Fire fighting - Overhead water tank(CMD):	20m3
	Excess treated water	103 m2
Details of Swimming pool (If any)	Dimension of Swimming Pool: 1) 1 4. 0 0 x7 x 1. 2 2) 7.8 x 4.4 x 0.45 Total Water requirement for make up in KLD : 9, Backwash : 7KLD	

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	129	129	0	6	6	0	123	123
Domestic	0	73	73	0	0	0	0	73	73
Gardening	0	30	30	0	30	30	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.3 to 2.7 m, below
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 nos. pits with 10 nos. of recharge bore wells.
	Size of recharge pits :	2.60 m x 2.60 m x 1.65 m
	Budgetary allocation (Capital cost) :	Rs.3.76 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.26 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (CUM): 142 Flushing UG tank Capacity (CUM): 73 Fire UG tank Capacity (CUM): 200 x 2
35.Storm water drainage	**Natural water drainage pattern:**	From South West To North
	Quantity of storm water:	24 m3 / min
	Size of SWD:	900 mm to 1200 mm
Sewage and Waste water	**Sewage generation in KLD:**	196 (Open to sky and above ground)
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. – 200 m3
	Location & area of the STP:	near Building A-B Area: 163 m2
	Budgetary allocation (Capital cost):	Rs. 51 Lakhs
	Budgetary allocation (O & M cost):	Rs. 20.03 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:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	**Dry waste:**	204 kg/day
	Wet waste:	476 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	will be handed over to SWACH
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building A-B
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	50 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 17.24 Lakhs
	O & M cost:	Rs. 2.76 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	DG set	Diesel, 27.7 lit./hr.	1 No.	3.5 m	0.3 m	250

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1953.45 m2
	No of trees to be cut :	50
	Number of trees to be planted :	245 Nos.
	List of proposed native trees :	245 Nos.
	Timeline for completion of plantation :	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	Manikara zapota	Chikoo	14	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	14	Evergreen timber plant, ornamental,
3	Mimusopes elengi	Bakul	14	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	14	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	14	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	14	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	14	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	14	Evergreen medicinal plant
9	Roystonea regia	Royal palm	14	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	14	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	14	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	15	Evergreen & bird attracting tree
13	Pongamia pinnata	Karanj	14	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	14	Evergreen medicinal and fruit plant
15	Ocimum tenuiflorum	Ram tulas	14	Holy basil is an important medicinal
16	Azadirachta Indica	Neem	20	Traditional medicinal Plant
17	Albizia lebbeck	Shirish	14	Evergreen timber plant, ornamental
18	Total quantity of plants on ground	-	245	-
19	*Trees cut as per PMC permission - 431 nos. *Trees proposed to be cut - 50 nos * Existing trees on site - 401 nos * Additional new trees to be planted - 245 nos * Total trees at site 646 nos	Total trees at site	646	646

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)	45 KW
	DG set as Power back-up during construction phase	160 KVA x 1 no.
	During Operation phase (Connected load):	2088 KW
	During Operation phase (Demand load):	996 KW
	Transformer:	630 KVA x 2 nos.
	DG set as Power back-up during operation phase:	Diesel
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Use of LED in Parking area, lift-lobby and stair-case.
- Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps.
- V3F drive is proposed for all lifts.
- As per MSEDCL requirements, it is recommended to use low loss Transformer.
- Losses for Transformer shall, in principal, comply with ECBC norms.
- Recommend to attain power factor of the installation near unity.
- Independent Energy meters for all pollution control equipment's.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Timers and contactors will be used to switch on / off common area & external landscape and facade lighting. 2) Light Emitting Diode (LED) will be used for corridors Lobbies and common areas 3) All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps 4) Energy efficient cf	30 %

2	6) All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum	20 %
3	7) 125 Ltrs Solar water is provided for each flat	95 %
4	8) Solar PV of 6KW is proposed for Common Area Lighting	10-15 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	1 No. - Capacity-200 m3
OWC	NA	1 No. – Capacity-535 kg/day
DG set	NA	1 No. – Capacity 160 KVA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25.00
	O & M cost:	Rs. 1.75 lac p. a.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise	Water For Dust Suppression Air & Noise monitoring	1.56
2	Water	Tanker water for construction & worker Water monitoring	2.04
3	Land	Labour toilets 15 Nos. Cleaning 10000 Rs/Month.	5.44
4	Biological	Gardening & Excavation	15.10
5	Socio	Disinfection at site Safety, First Aid, Health Hygiene Facilities Health Check Up Creches for children Personal Protective Equipment CFL lamps for labor hutments	3.30
6	Total	-	27.44

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	1 No. Of 200 KL D capacity	51	20.03
2	Rain Water Harvesting	5 Nos. of recharge pits with 10 bore well	3.76	0.26
3	Environmental Monitoring	MoEF approved laoratory	0	18.41
4	Gardening	Plantation of 246 trees	151.25	0.45

5	Solid waste	1 No.	17.24	2.76
6	Energy	1 Nos. 160 kVA, and solar panels	25.00	1.75
7	Swimming pool	1 No.	41.6	4.3

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:	11421.00 m2
	Area per car:	35 m2 (Lower Level), 30 m2 (Stilt level)
	Area per car:	35 m2 (Lower Level), 30 m2 (Stilt level)
	Number of 2-Wheelers as approved by competent authority:	716
	Number of 4-Wheelers as approved by competent authority:	302
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

	Category as per schedule of EIA Notification sheet	8 (B2)
	Court cases pending if any	NA
	Other Relevant Informations	We have received earlier EC vide letter No. SEAC-2013/CR 561/TC-2 dated 01.12.2014 for the same, accordingly work initiated. Construction completed as per earlier EC is 14,888.65 m2 Bldg. A-B Type P+P+12 & site office. Now seeking for amendment.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-02-2017

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 Project at S. No. 665/A Bibwewadi, Pune by Mr. D. P. Jain

PP submitted their application for modernization/amendment of Environmental clearance for total plot area of 20154.48 Sq. Mtrs, BUA of 50167.94 Sq. Mtrs and FSI area of 27574.62 Sq. Mtrs. PP proposes to construct 2 no. residential building and 1 residential +commercial building & 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

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

Specific Conditions by SEAC:

1) PP to submit phase wise programme of construction considering wind rose diagram.
2) PP to submit details of Water treatment plant with undertaking of its treatment.
3) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Environment Clearance for New Construction Project

Is a Violation Case: No

1.Name of Project	Proposed Residential Development, at S. no 137(P), Hinjewadi, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) Lab Gazetted by MoEf - Govt. Of India. NABET Certificate no : NABET/EIA1417/SA0011
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey no. 137(P)
9.Taluka	Mulshi
10.Village	Hinjewadi
Correspondence Name:	Mr. Ashwin Lunkad
Room Number:	1 Modibaugh
Floor:	Second Floor
Building Name:	Commercial Building, 1 Modibaugh
Road/Street Name:	Ganeshkhind Road
Locality:	Shivaji Nagar
City:	Pune 411016
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work is initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13,450 m2
16.Deductions	2,071.85 m2
17.Net Plot area	11,378.15 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14296.32
	b) Non FSI area (sq. m.): 11815.43
	c) Total BUA area (sq. m.): 26111.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3429.96
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.38%
21.Estimated cost of the project	465300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	Basement 1 + Stilt + 11 floors	36.45
2	Wing B	Basement 1 + Stilt + 11 floors	36.45
3	Club House	Ground+1	6.00

23.Number of tenants and shops	Tenants: 250 No shops proposed
24.Number of expected residents / users	1,250
25.Tenant density per hectare	185 per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station is Hinjewadi MIDC Fire Brigade – Phase I at an approximate distance of 2 kms. Width of Road – 12 m.
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	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**	PMRDA
	Fresh water (CMD):	112.50
	Recycled water - Flushing (CMD):	56.25
	Recycled water - Gardening (CMD):	25.30
	Swimming pool make up (Cum):	2.16
	Total Water Requirement (CMD) :	196.21
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	53.45
Wet season:	**Source of water**	PMRDA
	Fresh water (CMD):	112.50
	Recycled water - Flushing (CMD):	56.25
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	2.16
	Total Water Requirement (CMD) :	170.91
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	78.75
Details of Swimming pool (If any)	Dimensions of Mains pool: 10m X 6m X 1.2m Total Water Requirement: 72 CUM Water Requirement for Make Up: 2.16 CUM Details of Plant and Machinery used for treatment of water: High rate sand filters, filter media, Self-Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool TCCA (Trichloro icocynuric Acid) granules. Disinfection by: Chlorination Details of quality to be achieved for swimming pool water and parameters to be monitored: Sr. No. Parameters Standard 1. pH 7.2 7.6 2. Chlorine level 1 to 1.5 mg/l	

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	112.50	112.50	--	-	-	--	-	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 Recharge bores and 1 recharge pit
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	2.5
	Budgetary allocation (O & M cost) :	0.5
	Details of UGT tanks if any :	• Domestic UG tank Capacity: 93.75 m3 • Drinking UG tank Capacity: 20 m3 • Flushing UG tank Capacity : 56.25 m3 • Fire UG tank Capacity : 75 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	1.01 m3/min
	Size of SWD:	940 X 900 mm
Sewage and Waste water	**Sewage generation in KLD:**	135
	STP technology:	MBR
	Capacity of STP (CMD):	1 STP of capacity 150 KL
	Location & area of the STP:	As per the service layout
	Budgetary allocation (Capital cost):	25 lakhs
	Budgetary allocation (O & M cost):	2.5 lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day
	Disposal of the construction waste debris:	This material shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites
Waste generation in the operation Phase:	**Dry waste:**	219 kg/day
	Wet waste:	357 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	8.1 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH.
	Wet waste:	Will be treated in Organic waste converter/ Vermicomposting.
	Hazardous waste:	Will be handed over to authorized vendor if any
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used for landscaping after treatment.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	As per the services layout
	Area for the storage of waste & other material:	Area of Storage: 20 Sqm.; Area of segregation: 5 Sqm.
	Area for machinery:	Machinery area: 23.71 sqm; Total Area provided : 48.70 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 2 Lakhs
	O & M cost:	Rs 0.25 Lakhs

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	1	2.57	5.9 m x 2	562 degree K

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1. Mandatory RG Area : 1338.61 sq.m ; 2. Open space on Slab : 1,972.40 sq.m; 3. Additional Green on ground: 905.62 Sq.m; 4. Total Landscape area: 4216.63sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	168
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Till the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cordia Dichotoma	Indian cherry	17	Fruit bearing
2	Phyllunthus Emblica	Gooseberry	21	Fruit bearing
3	Syzygium Cumini	Jambhul	37	fruit bearing
4	Artocarpus heterophyllus	Jackfruit	18	fruit bearing
5	Plumeria Rubra	frangipani	15	Ornamental
6	Dalbergia Latifolia	Indian Rosewood	12	shade tree
7	Ficus Glomerata	Cluster fig	13	Fruit bearing plant
8	Magnifera Indica	Mango	18	Fruit bearing plant
9	Anthocephalus Cadamba	Kadamba	17	Medicinal Plant
10	Total	--	168	--
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	Canna dwarf	0.45	150
2	Cassia alata	0.45	150
3	Golden duranta	0.45	300
4	Hamelia dwarf	0.45	100
5	Plumbago zeylanica	0.45	200

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 KW
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	398 kW
	During Operation phase (Demand load):	359 kW
	Transformer:	1 x 630 kVA
	DG set as Power back-up during operation phase:	1 x 250 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED Type light fitting: 40 kwh/day
Solar System for Water Heating: 895 kwh/day

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Type light fitting	40 kwh/day
2	Solar System for Water Heating	895 kwh/ day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	150 KL
OWC/ Vermicomposting	Not applicable	OWC/ Vermicomposting
DG Set	Not applicable	1 x 250 kVA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 6.5 Lakhs
	O & M cost:	Rs 0.5 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Water for dust suppression measures & Soil Preservation	0.4
2	Site Safety	Barricading & nets	0.3
3	Site Sanitation	Mobile Toilets etc.	08

4	Disinfection & Health Check Up	For Labours	0.75
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	--	0.3
2	Water	RWH	2.5	0.5
3	Water	STP	25.00	2.5
4	Energy	Solar Water Heater	6.5	0.5
5	Land Environment	Gardening	1.25	0.4
6	Solid waste	OWC/ Vermicomposting	2	0.25
7	Basement dewatering	--	--	0.20
8	Total	--	37.25	4.65
9	DMP	--	23.6	--

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 9 m and 12 m wide road.

Parking details:	**Number and area of basement:**	No of basements: 1no. Area of Basements: 3,694.76 m2
	Number and area of podia:	NA
	Total Parking area:	7,389.52 m2
	Area per car:	35 m2/car
	Area per car:	35 m2/car
	Number of 2-Wheelers as approved by competent authority:	404
	Number of 4-Wheelers as approved by competent authority:	192
	Public Transport:	Nearest Bus Stop
	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	8(a)
	Court cases pending if any	Not Application
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-05-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for New Construction Project at Survey no. 137(P) by Mr. Milind Lunkad/ Mr. Ashwin Lunkad

PP submitted their application for prior Environmental clearance for total plot area of 13450 Sq. Mtrs, BUA of 26111.75 Sq. Mtrs and FSI area of 14,296.32 Sq. Mtrs & Non FSI area 11,815.43 Sq.m. PP proposes to construct 2 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

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

Specific Conditions by SEAC:

1) PP to submit detail programme for proposed sewer line all along public line considering the future development.
2) PP to submit revised site specific EMP with costing require for laying of sewer line.
3) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Proposed Commercial Project At S. No256/6/1 + 256/7 (PART), Village Hinjewadi, Tal. Mulshi,Dist. Pune, Maharashtra.By Avnee and Tejas Associates

Is a Violation Case: No

1.Name of Project	Proposed Commercial Project At S. No256/6/1 + 256/7 (PART), Village Hinjewadi, Tal. Mulshi,Dist. Pune, Maharashtra.By Avnee and Tejas Associates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prithviraj Solanke
4.Name of Consultant	VK:e environmental LLP
5.Type of project	Commercial project with shops and offices
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. No256/6/1 + 256/7 (PART), Village Hinjewadi Tal. Mulshi, Dist. Pune, Maharashtra.
9.Taluka	Tal. Mulshi
10.Village	Hinjewadi
Correspondence Name:	Mr. Prithviraj Solanke
Room Number:	Office no 401
Floor:	Fourth floor
Building Name:	Marvel Aliana
Road/Street Name:	Lane No.5
Locality:	Koregaon Park
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area:
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.)	17450
16.Deductions	Area Under 36.0 M Wide R.P. Road (6476.70) + Amenity Space (548.67) = 7025.37 sqm.
17.Net Plot area	9382.17 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17733.19
	b) Non FSI area (sq. m.): 18921.39
	c) Total BUA area (sq. m.): 36654.58
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 08-08-2018
19.Total ground coverage (m2)	3154.34
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.62 %
21.Estimated cost of the project	728700000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	2B+G+6 floors	28.25
2	Wing B	2B+G+2 floors	13.50

23.Number of tenants and shops	Wing A- Shops: 17, Offices: 10 and Canteen Wing B-Shops 9 and offices 18
24.Number of expected residents / users	3702
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36 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	Old hotel structures to be demolished .
30.Details of the demolition with disposal (If applicable)	Demolition waste will be segregate and used for site leveling and back filing

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat of Hinjewadi
	Fresh water (CMD):	93
	Recycled water - Flushing (CMD):	74
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	173
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	63
Wet season:	**Source of water**	Grampanchayat of Hinjewadi
	Fresh water (CMD):	93
	Recycled water - Flushing (CMD):	74
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	167
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	69
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 m pre monsoon and 6 m post monsoon
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4
	Size of recharge pits :	1 m diameter x 1.8 m depth with maximum depth of bore well 60 m.
	Budgetary allocation (Capital cost) :	Rs. 7,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 80,000/-
	Details of UGT tanks if any :	UGWT- 231.12 kld
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to 4 recharge pits. Surplus shall be discharged into nearby common municipal drains.
	Quantity of storm water:	421.28 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	150 kld
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 150 kld capacity
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 47,50,000/-
	Budgetary allocation (O & M cost):	Rs. 8,91,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day due to labour camp
	Disposal of the construction waste debris:	Construction waste debris will be used for site leveling and backfiling
Waste generation in the operation Phase:	**Dry waste:**	555.3 kg/day
	Wet waste:	370 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E-waste 5 kg/day

Mode of Disposal of waste:	**Dry waste:**	Authorized recyclers- SWaCH
	Wet waste:	On site OWC machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will be used as manure
	Others if any:	E-waste will be handed over to authorized vendors
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	12 Sq.m
	Area for machinery:	36 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 2,32,000/-
	O & M cost:	Rs. 75,000/-

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	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	1176.67 Sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	229
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Till completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	35	A medium to large size hardy tree which stand in drought conditions. Attain a much larger size in dry regions.Medicinal value.
2	Saraca indica	Sita Ashok	30	A small tree with dense foliage provides shade and attracts a variety of birds due to red flowers
3	Millingtonia hortensis	Indian cork tree	30	A columnar, evergreen tree, grows well in both dry and moist regions. Ornamental value
4	Lagerstromia flos-regineae	Tamhan	25	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate
5	Cassia fistula	Bahava	30	Small deciduous tree. Excellent flowering tree for arid regions. Ornamental value
6	Mimosoups elengi	Bakul	10	Medium sized evergreen tree with strong fragrance flowers.
7	Plumeria alba	Champa	35	Ornamental flowering tree
8	Michelia champaca	Sonchapha	25	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host 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)	40 kW
	DG set as Power back-up during construction phase	1 DG set of 60 kW.
	During Operation phase (Connected load):	3083 KW
	During Operation phase (Demand load):	2311 KVA
	Transformer:	4 nos. x 630 KVA
	DG set as Power back-up during operation phase:	4 nos. x 600 KVA + 1 nos. x 300 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1) External lighting with Astronomical time switch/ Photo Sensors which capable of auto operation of External Lighting.
2) LPD to be maintained as per recommendation tables.
Facade- 3 W/Sq.Mtr.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Street lighting load on LED	1.2 KW
2	Solar photovoltaic generation @ 1% connected load	20.5 KW

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:**	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Environment	Water for Dust Suppression	0.80
2	Health and safety	Site Sanitation & Safety	4.20
3	Air, water, noise, soil	Environmental Monitoring	0.30
4	Health and safety	Disinfection	0.20

5	Health and safety	Health Check up	0.60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Recharge pits with bore well	7	0.80
2	Water Environment	Sewage Treatment Plant	47.50	8.91
3	Solid waste management	Organic Waste Composting	2.32	0.75
4	Ecology and Landscape	Tree Plantation	2.94	0.23
5	Energy	Energy saving	31.50	1.57
6	Air, water, noise, soil	Environment Monitoring	-	0.80
7	Water Environment	Laying of storm and sewer line up to final disposal point	20	2
8	Air emvironment and safety	Basement ventilation	30	2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Site is accessible from 36 m wide Hinjewadi Phase II Road.

Parking details:	**Number and area of basement:**	2 level basement area is : 10582.66 sqm.
	Number and area of podia:	NA
	Total Parking area:	5476.90 sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	797 nos.
	Number of 4-Wheelers as approved by competent authority:	266 nos.
	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	Category 8 a (Building and construction projects)
	Court cases pending if any	NA
	Other Relevant Informations	Commercial project with shops and offices
	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 Commercial Project Marvel Aliana At S. No256/6/1 + 256/7 (PART), Village Hinjewadi, Tal. Mulshi,Dist. Pune, Maharashtra.By Avnee and Tejas Associates

PP submitted their application for prior Environmental clearance for total plot area of 17450 Sq. Mtrs, BUA of 26474 Sq. Mtrs and FSI area of 17754.42 Sq. Mtrs. PP proposes to construct 2 nos. of residential buildings.

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 approved plan of PMRDA showing upper, lower basement and extra area.
2) PP to submit debris management plan.
3) PP to submit dependent parking plan eliminating and parking statement.
4) PP to submit copy of agreement from quarry owner.
5) PP to submit NOC of sewer line.
6) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

SEAC Meeting number: 68 **Meeting Date** August 23, 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 "at S. No. 94(P), Village-Kiwale, Tal-Haveli, Pune The SkyLark" by 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

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

Specific Conditions by SEAC:

1) PP to submit details of socioeconomic infrastructure nearby project area.
2) PP to submit copy of agreement from quarry owner .
3) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Residential Project "Ace Almighty" at S.no. 86/6 & 86/7, Behind Indira Collage, Off.(NH-4) Mumbai - Bangalore Highway, Tathawade Pune - 411033 By M/s. Ace Almighty

Is a Violation Case: No

1.Name of Project	"Ace Almighty"
2.Type of institution	Private
3.Name of Project Proponent	Mr.Anup Jhamtani
4.Name of Consultant	VK:e environmental LLP
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.no. 86/6 & 86/7, Behind Indira Collage, Off.(NH-4) Mumbai - Bangalore Highway, Tathawade Pune - 411033
9.Taluka	Mulshi
10.Village	Tathawade
Correspondence Name:	Ace Almighty
Room Number:	Jhamtani House, S.no. 17/2, Opp. D Prabhag PCMC Bldg., Aundh - Ravet BRT Road, Rahatani Pune – 411017
Floor:	Jhamtani House, S.no. 17/2, Opp. D Prabhag PCMC Bldg., Aundh - Ravet BRT Road, Rahatani Pune – 411017
Building Name:	Jhamtani House, S.no. 17/2, Opp. D Prabhag PCMC Bldg., Aundh - Ravet BRT Road, Rahatani Pune – 411017
Road/Street Name:	Jhamtani House, S.no. 17/2, Opp. D Prabhag PCMC Bldg., Aundh - Ravet BRT Road, Rahatani Pune – 411017
Locality:	Aundh - Ravet BRT Road, Rahatani
City:	Pune
11.Area of the project	pcmc
12.IOD/IOA/Concession/Plan Approval Number	IOD received
	IOD/IOA/Concession/Plan Approval Number: Sanctioned No. B.P./ENV/Tathwade/06/2017
	Approved Built-up Area: 37444
13.Note on the initiated work (If applicable)	3 Residential buildings exists on site as per sanction received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	13420
16.Deductions	Deductions : 882.1 m2 Net Gross area of the plot :12537.90 m2 Open space: 1253.79 m2 Net Plot area: 11284.11 m2
17.Net Plot area	11284.11 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18,034.95 m2
	b) Non FSI area (sq. m.): 19,409.05 m2
	c) Total BUA area (sq. m.): 37444
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 04-09-2018
19.Total ground coverage (m2)	2498.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22 %

21.Estimated cost of the project	725000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A (Commercial)	G+5	20.4
2	Building B (Alfa)	P+11	33
3	Building C (Omega)	P+11	33
4	Building D (Beta)	P+11	33
5	Building E (Gamma)	BP+2P+9	36
6	Building F (Delta) with shops	BP+G/2P+9	36

23.Number of tenants and shops	No. of tenements : 253 flats Total No. of shops & offices: 13 shops & 70 offices (7 shops & 58 offices in commercial building A with and 6 shops and 12 offices in residential building F) Residential Tenants: 1265 Commercial Tenants: 595
24.Number of expected residents / users	Residential Tenants: 1265, Commercial Tenants: 595
25.Tenant density per hectare	188 Tenements/hectare, 942 Tenants/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	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	3 Residential buildings exists on site
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	132
	Recycled water - Flushing (CMD):	66
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	205
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	69
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	132
	Recycled water - Flushing (CMD):	66
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	198
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	76
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Level of ground water table: Pre monsoon : 10.40 m bgl Post monsoon : 6.80 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7
	Size of recharge pits :	Existing 1 m x 1 m x 1 m Depth 40 meter, proposed 2 m x 2 m x 2 m Depth 60 meter
	Budgetary allocation (Capital cost) :	4,96,000/-
	Budgetary allocation (O & M cost) :	35000/-
	Details of UGT tanks if any :	UGT- Residential : 420 cum Commercial: 17.6 cum
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:	Quantity of roof top rain water: 34.39 m3/day
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	158
	STP technology:	MBBR
	Capacity of STP (CMD):	175
	Location & area of the STP:	Above Ground
	Budgetary allocation (Capital cost):	Rs. 40,15,000/-
	Budgetary allocation (O & M cost):	Rs. 13,00,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30
	Disposal of the construction waste debris:	It will be used for leveling the site.
Waste generation in the operation Phase:	**Dry waste:**	Waste generation in the operation Phase : Total Dry waste: 342 kg/day, Residential buildings: Total Dry waste : 253 kg/day , Commercial buildings: Dry waste : 89 kg/day
	Wet waste:	Waste generation in the operation Phase :Wet waste: 439 kg/day, Residential buildings: Wet waste : 379 kg/day, Commercial buildings : Wet waste: 60 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24
	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:	NA
Area requirement:	**Location(s):**	Above ground
	Area for the storage of waste & other material:	12 sqm
	Area for machinery:	48 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14,75,000/-
	O & M cost:	3,15,000/-

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 :**	1. Required RG area on virgin land – 1253.79 m2 (10% of net plot area) 2. Provided Total green area – 1425.65 m2 2.1 Lawn area:837.60 m2 2.2 Shrub bed area: 588.05 m2 Total Landscape area: 1425.65 m2
	No of trees to be cut :	-
	Number of trees to be planted :	Trees required to be planted on site: 157 nos. Trees Already planted on site: 48 nos. New Proposed trees on site: 112 nos Total trees: 160 nos.
	List of proposed native trees :	Mentioned as 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	Azadiracta indica	Neem	15	A medium to large size hardy tree which stand in drought conditions. Attain a much larger size in dry regions. Medicinal value.
2	Saraca indica	Sita Ashoka	16	A Small tree with dense foliage provides shade and attracts a variety of birds due to red flowers.
3	Millingtonia hortensis	indian cork tree	12	A columnar , evergreen tree , grows well in both and moist regions. Ornamental value
4	Lagerstromia flos-regineae	Tamhan	15	State flower tree of maharashtra medium sized tree , beautiful purple flowers , grows well in both dry and humid climate
5	Casia fistula	Bahava	12	Small deciduous tree. Excellent flowering tree for arid regions. Ornamental value.
6	Mimosoups elengi	Bakul	10	Medium sized evergreen tree with strong fragrance flowering
7	Plumeria alba	Champa	11	Ornamental flowering tree
8	Michella champaca	Sonchapha	18	Medium sized evergreen tree , fragrant yellow flowers ,Butterfly host plant
9	Syzygium cumini	Jambhul Tree	04	A large size tree with dense foliage provides shade along road
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)	15 KW
	DG set as Power back-up during construction phase	25 kvA
	During Operation phase (Connected load):	2036.53 KW
	During Operation phase (Demand load):	995.12 KW
	Transformer:	630 kvA X 2 no.
	DG set as Power back-up during operation phase:	For residential buildings: 1 no. of 125kvA Commercial Building A: 1 no. 40 kvA Commercial Building F: 1 no. of 25 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	SOLAR WATER HEATING SYSTEM +SOLAR PV PANELS+ LIGHT FITTING TYPE AND TIMER SAVINGS (FOR COMMON AREA)	28%

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 -Total Capital Cost :Rs. 10,00,000/- , Solar Hot Water System -63,25,000/-, Energy Saving Features -Rs. 2,62,050/-
	O & M cost:	Solar PV -Rs.50,000/- , Solar Hot Water System:Rs. 2,53,000/- , Energy Saving Features :Rs.13,103/-

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	Land	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 Management	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	1 stp	40,15,000/-	13,00,000/-
2	Solid waste management	1 owc	14,75,000/-	3,15,000/-
3	Landscaping	development and maintenance of green area	3,13,250/-	25,060/-
4	Rain water harvesting	recharge pits	4,96,000/-	35,000/-
5	Environmental Monitoring	air, water, noise, soil, waste water, owc manure	-	1,82,500/-
6	Solar Hot Water System	Solar Hot Water System	63,25,000/-	2,53,000/-
7	Solar PV	Solar PV	10,00,000/-	50,000/-
8	Energy Saving Features	Energy Saving Features	2,62,050/-	13,103/-

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 Tathawade. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide.

Parking details:	**Number and area of basement:**	1 no/ of basement in two buildings
	Number and area of podia:	-
	Total Parking area:	8775.40 sqm
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	686
	Number of 4-Wheelers as approved by competent authority:	187
	Public Transport:	NA
	Width of all Internal roads (m):	6 m driveway
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B. Building and Construction project
	Court cases pending if any	NA
	Other Relevant Informations	Proposed project consists of 5 residential building having 253 flats & 1 commercial building with 7 shops & 58 offices and 6 shops and 12 offices in residential building F.
	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 Project "Ace Almighty" at S.no. 86/6 & 86/7, Behind Indira Collage, Off.(NH-4) Mumbai - Bangalore Highway, Tathawade Pune - 411033 By M/s. Ace Almighty

PP submitted their application for prior Environmental clearance for total plot area of 11284.11 Sq. Mtrs, BUA of 37444 Sq. Mtrs and FSI area of 18034.95 Sq. Mtrs.

PP proposes to construct 6 nos. of residential & commercial buildings. 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

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

Specific Conditions by SEAC:

1) PP to submit cross section of basement showing width and slope of ramp and details of parking.
2) PP to submit drainage NOC.
3) PP to submit CFO NOC.
4) PP to submit plan showing the alignment of storm water drain arrangement up to final disposal point by proposing adequate SW drain in layout with details of final chamber.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Development

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Development
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mukesh Manohar Yeole
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. S. No. 211/1/1,211/1/2.,211/1/3,211/1/4, Village - Lohagaon. Tal. Haveli, Dist. Pune, Maharashtra
9.Taluka	Haveli
10.Village	Lohagaon
Correspondence Name:	2, Raghuvansh Apt, 940/4, Model Colony Shivajinagar, Pune-411016
Room Number:	2
Floor:	2
Building Name:	Raghuvansh Apt
Road/Street Name:	Model Colony
Locality:	Shivajinagar
City:	Pune
11.Area of the project	Yes
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 33069.96
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	8300.00
16.Deductions	1147.72
17.Net Plot area	7152.28
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19310.70
	b) Non FSI area (sq. m.): 13759.26
	c) Total BUA area (sq. m.): 33069.96
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)	3925.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.8
21.Estimated cost of the project	1200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential + Commercial	B+G/P+8	27.24

23.Number of tenants and shops	166 Flats and 20 commercial /office /shop
24.Number of expected residents / users	Residential : 830 and commercial : 527
25.Tenant density per hectare	200
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m from Yerawada fire station
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	87
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	05
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	143
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	68

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	87
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	138
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	120
	Excess treated water	73
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	87	87	Not applicable	14	14	Not applicable	73	73
Domestic	Not applicable	51	51	Not applicable	00	00	Not applicable	51	51
Gardening	Not applicable	05	05	Not applicable	05	05	Not applicable	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	As per layout
	Quantity of recharge pits:	2
	Size of recharge pits :	2.00m x 2.00m x 3.00m
	Budgetary allocation (Capital cost) :	15.00 Lacs
	Budgetary allocation (O & M cost) :	0.50 Lacs/annum
	Details of UGT tanks if any :	UGT are provided

35.Storm water drainage	**Natural water drainage pattern:**	NW to E
	Quantity of storm water:	419.66 m3/hr
	Size of SWD:	300 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	124
	STP technology:	Eco-Bio-Pack
	Capacity of STP (CMD):	130
	Location & area of the STP:	As marked on drawing and area provided 90 Sq. m
	Budgetary allocation (Capital cost):	24.50 Lacs
	Budgetary allocation (O & M cost):	5.30 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 Kg/day
	Disposal of the construction waste debris:	Excavation: 37000 m3 Backfill: 11930 m3 For levelling: 2500 m3 To be sent to other site: 22570 m3
Waste generation in the operation Phase:	**Dry waste:**	198 Kg/day
	Wet waste:	263 Kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4.5 Kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers (SWaCH)
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Handed over to authorized recyclers if any
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	52.40 Sq. m.
	Area for machinery:	considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.98 Lacs
	O & M cost:	3.60 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	HSD	02	3	1	300

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	00	46.47	46.47

41.Source of Fuel	Nearby pump
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development

Total RG area :	1266.53
No of trees to be cut :	00
Number of trees to be planted :	112
List of proposed native trees :	112
Timeline for completion of plantation :	2020

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	08	Fruit bearing
2	Michelia champaca	champa	04	Flowering plant
3	mimusopes elengii	bakul	11	Flowering plant
4	ficus benjamina	weeping fig	10	Medicinal plant
5	cassia fistula	golden shower	10	Flowering plant
6	butea monosperma	flame tree	05	Flowering plant

7	cassia grandis	pink shower	11	Flowering plant
8	saraca indica	sita ashok	10	Fruit bearing
9	roystonia regia	royal palm	18	ornamental tree
10	syzgiam cumini	jambhul	12	Fruit bearing
11	neolamarkia cadamba	kadamba	10	Fruit bearing
12	mangifera indica	mango	03	Fruit bearing
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)	75 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	2223 KVA
	During Operation phase (Demand load):	1390 KVA
	Transformer:	1 nos. x 1750 KVA
	DG set as Power back-up during operation phase:	1 nos. x 225 KVA + 1 nos. x 60 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar photovoltaic generation : 1 % of connected load
Solar water heating system: 20% saving

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar photovoltaic generation	1 % of connected load
2	Solar water heating system	20% saving

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG sets	Not applicable	Stack as per CPCB standards

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	6.37 Lakhs
	O & M cost:	0.25 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	0.32
2	Air Environment	Air & Noise monitoring	0.48
3	Water Environment	Tanker water for construction	1.08
4	Water Environment	Water monitoring	0.60
5	Land Environment	Site Sanitation	8.10
6	Biological Environment	Gardening	2.50
7	Biological Environment	Top soil preservation	0.19
8	Socio- Economic Environment	Socio- Economic	7.65

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	2 pits	15.00	0.50
2	Sewage Treatment Plant	1 STP	24.50	5.30
3	Organic Waste Composting	1 OWC	11.98	3.60
4	Tree Plantation	Native Tree Plantation	14.61	3.00
5	Energy saving	Energy saving	6.37	0.25
6	Environment Monitoring	Environment Monitoring	00	6.60
7	Basement Ventilation	Basement Ventilation	68.00	3.40

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 20 m wide road
Parking details:	**Number and area of basement:**	1 no of basement area -5400 Sq.m.
	Number and area of podia:	No. of Podia:01 Area of Podium: 1078 Sqm
	Total Parking area:	9109.25 Sqm
	Area per car:	12.50
	Area per car:	12.50
	Number of 2-Wheelers as approved by competent authority:	156
	Number of 4-Wheelers as approved by competent authority:	10
	Public Transport:	Nearest Bus Stop: Vimannagar
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	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 at S. No. S. No. 211/1/1,211/1/2.,211/1/3,211/1/4, Village - Lohagaon. Tal. Haveli, Dist. Pune, by **Mr. Mukesh Manohar Yeole.**

PP submitted their application for prior Environmental clearance for total plot area of 8300 Sq. Mtrs, BUA of 33069..96 Sq. Mtrs and FSI area of 19310.70 Sq. Mtrs. PP proposes to construct 1 no. residential plus 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.

previous **DECISION OF SEAC**

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

PP to submit revised composition of building and its configuration and change the CS accordingly.

PP to submit basement approval plan.

PP to submit parking statement plan as per norms. PP to submit revised fire tender movement plan showing culdesac arrangement and gate for separation of residential and commercial vehicle movement.

PP to submit cross section of fire tender movement at 4 locations.

PP to submit revised parking layout plan with ramp width not less than 7.5 m & slop not greater than 1:10.

PP to separate commercial & residential parking.

PP to submit undertaking for treated water as per recent CPCB norms.

PP to submit revised aviation NOC.

PP to submit geohydrological report.

PP to submit a plan for sewer line connectivity arrangement up to final disposal point.

PP to submit cross sections of the plot boundary showing the Strom water drain, space left in between compound wall, tree plantation line, and internal road

PP to submit debris management plan.

PP to submit details of socioeconomic infrastructure nearby vicinity.

PP to submit plan for S.W. drain up to final disposal point.

PP to submit an undertaking for assured water supply.

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

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.

Earlier Decision of SEAC

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.

PP to submit revise RG plan and accesses for MHADA building. Also check Supreme Court directives and submit RG Plan accordingly.

PP to explore the possibility to relocate the MHADA bldg. and amenity plot.

PP to submit cross section through the internal road showing the space left for SWD, plantation of trees and compound wall.

PP to submit revised layout plan.

PP to submit details of socioeconomic infrastructure of project vicinity.

PP to submit DP part plan.

PP to submit all NOC,s.

PP to submit energy saving details along with renewable energy.

PP to submit fire tender movement plan with slope and width.

PP to submit revised parking layout commercial part and traffic operation isolate from residential area.

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 of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 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 Venkatesh Imperia at S. No. 14/4(P), Punawale, Taluka - Mulshi, Pune 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.

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

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Proposed building construction project

Is a Violation Case: No

1.Name of Project	'Eves Garden'
2.Type of institution	Private
3.Name of Project Proponent	M/s. Sancheti Properties (Mr. Kishor Sancheti)
4.Name of Consultant	Sneha Hi-Tech products
5.Type of project	Housing 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	Obtained Environmental Clearance on 6th Oct. 2015 for total built-up area of 53,505.06 m2 .
8.Location of the project	S. No. 34/1A/1
9.Taluka	Haveli
10.Village	Keshav Nagar, Mundhwa
Correspondence Name:	Mr. Kishor Sancheti
Room Number:	401,
Floor:	--
Building Name:	Renata Chambers,
Road/Street Name:	N. C. Phadke Chowk,
Locality:	2145, Sadashiv Peth,
City:	Pune- 411030.
11.Area of the project	Previously it was in PMRDA, now it comes under PMC
12.IOD/IOA/Concession/Plan Approval Number	Our plan was approved for the area of 26,719.11 m2 on dated 19th January 2015. Now the application for revised sanction was made.
	IOD/IOA/Concession/Plan Approval Number: Earlier Plan Approval number PMN/NA/SR/520/14. Revised sanction yet to approve.
	Approved Built-up Area: 53505.06
13.Note on the initiated work (If applicable)	7 nos. of building were already constructed on site as per EC obtained in 2015. Building D is completed up to 8 floors.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	23000 m2
16.Deductions	646.36 m2
17.Net Plot area	22353.64 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27772.45 m2
	b) Non FSI area (sq. m.): 27854.81 m2
	c) Total BUA area (sq. m.): 55627.26
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)	3,462.41 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.05 %
21.Estimated cost of the project	50000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. A	P+Stilt+9 Floors	31.79 m
2	Bldg. B1	LP+UP+11 Floors	35.95 m
3	Bldg. B2	LP+UP+11 Floors	35.95 m
4	Bldg. B3	LP+UP+11 Floors	35.95 m
5	Bldg. B4	LP+UP+11 Floors	35.95 m
6	Bldg. C1	LP+UP+11 Floors	35.95 m
7	Bldg. C2	LP+UP+11 Floors	35.95 m
8	Bldg. D	LP+UP+11 Floors	35.95 m
9	Bldg. E	LP+UP+5 Floors	20.24 m

23.Number of tenants and shops	Total tenants: 499 Nos., Shops: 11
24.Number of expected residents / users	Residential users: 2495 persons ; Commercial users: 82
25.Tenant density per hectare	450 Tenant/Hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	7 nos. of building were already constructed on site as per EC obtained in 2015. Building D is completed up to 8 floors.
30.Details of the demolition with disposal (If applicable)	No , The project does not involve any demolition work

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**	Earlier: Grampanchayat/ PMRDA , Current: PMC
	Fresh water (CMD):	227 m3/day
	Recycled water - Flushing (CMD):	114 m3/day
	Recycled water - Gardening (CMD):	11 m3/day
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	352 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	193 m3/day
Wet season:	**Source of water**	Earlier: Grampanchayat/ PMRDA , Current: PMC
	Fresh water (CMD):	227 m3/day
	Recycled water - Flushing (CMD):	114 m3/day
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	341 m3/day
	Fire fighting - Underground water tank(CMD):	250 m3
	Fire fighting - Overhead water tank(CMD):	As per Fire NOC
	Excess treated water	193 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 18.67 m. to 23.23 m. BGL. (20.35 M. Average), Rainy Season – 7.67 m. to 13.13 m BGL. (10.40 M. Average), Winter Season – 13.17 m. to 18.18 m. BGL. (15.68 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Total 11 Nos. (9 existing & 2 proposed)
	Size of recharge pits :	a) 7 Nos. of 2.0 m. x 2.0 m. x 2.0 m. (Existing) b) 1 Nos. of 3.0 m. x 3.0 m. x 3.0 m. (Existing) c) 3 Nos. of 4.5 m. x 1.5 m. x 2.0 m.(Proposed)
	Budgetary allocation (Capital cost) :	Rs.13.74 Lakhs
	Budgetary allocation (O & M cost) :	Rs.1.8 Lakhs/annum
	Details of UGT tanks if any :	Fire Tank: 2 tanks with 125 m3 capacity Domestic water Tank: 329 m3 Flushing water Tank: 115 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	822.25 m3/hr
	Size of SWD:	Diameter : 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	318 m3/day
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of 320 m3/day
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 60 Lakhs
	Budgetary allocation (O & M cost):	Rs. 22 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	12.5 kg/day by labourers
	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 remaining will be hand over to authorize vendor .
Waste generation in the operation Phase:	**Dry waste:**	457 kg/day
	Wet waste:	686 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E-waste: Negligible

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling and disposal.
	Wet waste:	Will be converted to compost using Organic Waste Convertor [OWC].
	Hazardous waste:	Handed over to authorized vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	E waste: Sale to authorized vendor
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	35 m2
	Area for machinery:	35 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25 Lakhs
	O & M cost:	Rs. 6 Lakhs/Annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	On Ground; 2899.96 m2, Raised Garden: 400.56 m2, Total: 3,300.52 m2.
	No of trees to be cut :	NA
	Number of trees to be planted :	5
	List of proposed native trees :	All native trees proposed which are listed below.
	Timeline for completion of plantation :	98% of required trees were already plated on site while remaining 2 % will be planted before completion of project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoka	Sita Ashok	12	Shady tree with red-yellow flowers
2	Bauhinia purpurea	Rakta kanchan	16	Fast growing flowering plant, butterfly host plant, Suitable for avenue planting
3	Azadiracta indica	Neem	30	Evergreen fast growing shady tree
4	Cassia fistula	Bahava	30	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Michelia chamapca	Sonchafa	54	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
6	Tabebuia avellanedae	Tabebuia pink	22	Large deciduous flowering tree.
7	Langerstroemia indica	Crape Myrtle	30	Flowering bird attracting tree
8	Cocos nucifera	Coconut	07	Tall tree bearing woody fruit
9	Plumeria alba	Chafa	09 + 05	Evergreen ornamental tree
10	Mangifera indica	Mango	20	Fruit bearing, evergreen & commercial value
11	Psdum guafava	Guava	25	Fruit bearing , Ever green
12	Manikara cumini	Chikku	25	Fruit bearing , Ever green
13	NA	TOTAL	285	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd (MSEDCL)
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 nos. x 40 KVA
	During Operation phase (Connected load):	2,423 KVA
	During Operation phase (Demand load):	1,225 KVA
	Transformer:	2 nos. x 630 KVA
	DG set as Power back-up during operation phase:	1 nos. x 180 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Solar water heating for minimum 20%
? Equipment efficiency standards
? Lighting controls to be controlled by photo sensor or time switch
? Interior lighting power to be with in specific limits
? Maximum allowable power loss from transformer
? Power factor be maintained between 0.95 and unity
? Check metering
? Power distribution system losses to be maintained less than 1 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	4,050 KWH / Annum
2	Timer Logic Controller	93,517 KWH / Annum
3	Electronic V3F drive for Lifts	39,210 KWH / Annum
4	Solar Water Heater	6,94,608 KWH / Annum
5	TOTAL	8,31,385 KWH / Annum

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 86.63 Lakhs
	O & M cost:	Rs. 3.13 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	To control air pollution	Water For Dust Suppression	2
2	To maintain hygienic condition	Site Sanitation & Safety	1.5
3	Air, water, noise and soil analysis	Environmental Monitoring	2
4	To check fitness of workers	Health Check Up	2
5	To maintain hygiene	Disinfection	1.5
6	To prepare team for environmental management	Environment Management cell	1.6
7	NA	TOTAL	10.6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	To harvest rain water	13.74	1.8
2	Sewage Treatment Plant	To treat sewage	60	22
3	Organic Waste Composting	To treat biodegradable solid waste	25	6
4	Tree Plantation	For green belt development	52	15
5	Energy saving	For use of solar lighting and solar heater	86.63	3.13
6	Environment Monitoring	Air, water, noise and soil analysis	--	3
7	Laying of Storm line up to final disposal point	For proper storm water disposal	70	10.5
8	Laying of Sewer line up to final disposal point	For proper disposal of sewage	57	8.55
9	Environment Management Cell	To manage environmental issues	--	7.8
10	NA	TOTAL	364.37	77.8

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	Site is near to Manjari Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3,738.9 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	Scooters: 732 ; Provided: 732 nos.
	Number of 4-Wheelers as approved by competent authority:	Cars: 141 ; provided: 141
	Public Transport:	NA
	Width of all Internal roads (m):	6 m road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed building construction project at S. No. 34/1A/1 ,Keshav Nagar, Mundhwa by **M/s. Sancheti Properties.**

PP submitted their application for prior Environmental clearance fortotal plot area of 23000Sq. Mtrs, BUA of55627.26Sq. Mtrs and FSI area of 27772.45Sq. Mtrs.PP proposes to construct 9 no. 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 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 of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Construction project by M/s Shubham Vipra Associates.

Is a Violation Case: No

1.Name of Project	Shubham Tarangan
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinay .K. Badera
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No-2618/1/A & 2618/1/B, 2618/2, 2615/3, Aalephata, Junnar, Pune.
9.Taluka	Junnar
10.Village	Aalephata
Correspondence Name:	Mr. Vinay .K. Badera
Room Number:	401/402,
Floor:	-
Building Name:	Amit Crystal
Road/Street Name:	Above Bank of Baroda, Opp. Chatushringi Temple
Locality:	S.B. Road
City:	Pune
11.Area of the project	Town Planning
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 42249.83
13.Note on the initiated work (If applicable)	16835.98 m2 (FSI - 10614.94 m2 + Non FSI - 6221.04 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	33550.00
16.Deductions	10191.99
17.Net Plot area	23358.01
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 28544.10
	b) Non FSI area (sq. m.): 13705.73
	c) Total BUA area (sq. m.): 42249.83
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)	5885.79
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.54 % of total plot area (33550.00m2) & 25.19% of net plot area (23358.01 m2)
21.Estimated cost of the project	480000000

22.Number of buildings & its configuration

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

1	VISHAKHA (existing)	P+4	14.80
2	ASHLESHA (existing)	P+4	14.80
3	UTTERA (existing)	P+4	14.80
4	REVATI(existing)	G+2	9.45
5	PURNA (Proposed)	P+7	23.75
6	SWATI (Proposed)	P+7	23.75
7	KRUTIKA (Proposed)	P+7	23.75
8	ASHWINI (Proposed)	P+7	23.75

23.Number of tenants and shops	424 Nos.
24.Number of expected residents / users	2120 Nos.
25.Tenant density per hectare	126.37/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60 m wide Pune Nasik Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Aale Grampanchyat
	Fresh water (CMD):	321.58 m3/day (One Time)
	Recycled water - Flushing (CMD):	95.40 m3/day
	Recycled water - Gardening (CMD):	30.38 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195.80 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	136.30 m3/day
Wet season:	**Source of water**	Aale Grampanchyat
	Fresh water (CMD):	291.20 m3/day (One Time)
	Recycled water - Flushing (CMD):	95.40 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195.80 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	166.68 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 14.50 m. to 18.00 m. BGL.(16.25 M. BGL Average) Rainy Season – 6.00 m. to 10.75 BGL. (8.38 m. BGL Average) Winter Season – 10.25 m. to 14.38 m. BGL. (12.32 M. BGL Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 2.0 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) :	Rs. 10.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.75 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 316.00 m3 Flushing UG tank Capacity : 187.00 m3 Fire UG tank Capacity : NA
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	12,128.02 m3 / Year i.e. 269.51 m3 / Day, Considering 700 mm. annual rain fall in 50 days averagely.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	262.08 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	120 m3/day (Existing) & 160m3/day (Proposed)
	Location & area of the STP:	70.80 m2 (Existing) & 92.22 (Proposed)
	Budgetary allocation (Capital cost):	For 120 m3/day (Existing) - Rs.18.00 Lakh & For 160 m3/day (Proposed) - Rs. 21.00 Lakh
	Budgetary allocation (O & M cost):	For 120 m3/day (Existing) - Rs 7.50 Lakh / Year & For 160 m3/day (Proposed) - Rs. 9.03 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	35 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	371.0 kg/day
	Wet waste:	604.2 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	23.58 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to Grampanchayat
	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:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	40.19 m2
	Area for machinery:	36.95 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 14.60 Lakh
	O & M cost:	Rs. 3.95 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	3246.23 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	257 Nos.-Proposed, 143 No.-Existing
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of construction of proposed development

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	12	Drought tolerant species, To control soil erosion.
2	Bauhinia purpurea	Gulabi kanchan	12	Every part of the plant is medicinal, Drought tolerant species.
3	Cassia fistula	Bahawa	08	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
4	Choclospermum religiosum	Sonsawar	09	Medicinal value, Native species.
5	Dalbergia sissoo	Shisav	19	Medicinal value, Bird attracting species.
6	Phyllanthus emblica	Awla	12	Medicinal value, To control soil erosion.
7	Mangifera indica	Mango	16	Edible fruit, Bird attracting species.
8	Ficus retusa	Nandruk	10	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
9	Syzygium Cumini	Jambhul	16	Medicinal value, Edible fruit.
10	Bahunia racemosa	Apta	12	Every part of the plant is medicinal, Drought tolerant species.
11	Caryota urens	Fishtail palm	17	Grown in any type of soil, Very Hardy.
12	Erythrina indica	Pangara	12	Fragrant flowers, Drought tolerant species, Birds attracting.
13	Gmelina arborea	Shivan	12	Medicinal value, Drought tolerant species, Bird attracting species.
14	Murraya koengii	Kadipatta	12	Medicinal value, Edible leaves.
15	Aegle marmelos	Bel	08	Fragrant flowers, Bird attracting species.
16	Nyctanthus arbortristis	Parijatak	12	Fragrant flowers, Medicinal value.
17	Nyctanthus arbortristis	Parijatak	12	Fragrant flowers, Medicinal value.

18	Nyctanthus arbortristis	Parijatak	12	Fragrant flowers, Medicinal value.
19	Putrnjiva roxburghii	Putrnjiva	08	Medicinal value, Drought tolerant species.
20	Roystonia regia	Bottle palm	16	Ornamental plant, Medicinal value, Birds & bats eat fruits.
21	Annona Reticulata	Ramphal	08	Every part of the plant is medicinal.
45.Total quantity of plants on ground				

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

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

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	40 KVA - 1 No
	During Operation phase (Connected load):	1600 KW.
	During Operation phase (Demand load):	1422.22 KVA.
	Transformer:	22KV/630 KVA – 2 Nos & 22KV/315 KVA – 1 No
	DG set as Power back-up during operation phase:	Solar With UPS Power System, For Lift Purpose : -ARD Device
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	-

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.

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.	38.5 KWH/Day

2	Bollard Lighter - Light Fitting For Landscape Area.	0.39 KWH/Day
3	Recesses Wall Light. - Light Fitting For Landscape Area.	0.76 KWH/Day
4	Planter Of Lighter - Light Fitting For Landscape Area.	0.79 KWH/Day
5	Solar Street Light Fitting - Pole Light On Road Side.	7.8 KWH/Day
6	Street Light on the Bldg.	9.6 KWH/Day
7	Energy Saving by Solar Hot Water System.	1590 KWH/Day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	We have provided green belt for existing phase	We will provide additional green belt for proposed development
Water	We have installed STP of capacity 120 KLD for Existing phase & excess treated water used for flushing & gardening	We will propose to installed STP of capacity 160 KLD for proposed phase. Excess treated water will be used for flushing & gardening.
Noise	Instead of DG set we have installed Solar With UPS Power System & For Lift Purpose : -ARD Device. Noise monitoring is carried out.	Traffic management plan to be prepared.
Solid Waste	Wet waste of existing phase is treated in OWC & dry waste is handed over to Gram panchayat. STP sludge is used as manure after treatment in OWC.	For Proposed Development: Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 74.40 Lakh
	O & M cost:	Rs 1.92 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	1.00 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 1	120 m3/day-Existing	18.00 Lakh	7.50 Lakh/Year
2	STP 2	160 m3/day-Proposed	21.00 Lakh	9.03 Lakh/Year
3	RWH	Rain water Harvesting	10.00 Lakh	0.75 Lakh/Year
4	MSW	-	14.60 Lakh	3.95 Lakh/Year

5	Solar System	-	74.40 Lakh	1.92 Lakh/Year
6	Landscaping	-	69.96 Lakh	11.31 Lakh/Year
7	Safety Equipment	-	-10.0 Lakh	2.0 Lakh/Year
8	Post EC Monitoring	-	-	2.50 Lakh/Year
9	Dry Waste Management	-	-	2.55 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:**	NA
	Number and area of podia:	NA
	Total Parking area:	11654.60 m2
	Area per car:	42.07 m2
	Area per car:	42.07 m2
	Number of 2-Wheelers as approved by competent authority:	900
	Number of 4-Wheelers as approved by competent authority:	277
	Public Transport:	-
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

	Category as per schedule of EIA Notification sheet	8(a)
	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 Construction project at Gat No-2618/1/A & 2618/1/B, 2618/2, 2615/3, Aalephata, Junnar, Pune by M/s Shubham Vipra Associates

PP submitted their application for prior Environmental clearance fortotal plot area of 33550 Sq. Mtrs, BUA of42249.83Sq. Mtrs and FSI area of 28544.10Sq. 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) B1.

PP to submit details regarding area constructed at site.

PP to submit clarification regarding existing STP.

PP to change UGT Locations.

PP o submit specific NOC for SWD to lay on Public road.

PP to submit details of sewer line connectivity up to final disposal point.

PP to submit fire tender movement plan.

PP to submit revised Solid waste Management Plan.

PP to submit debris management plan

PP to submit all NOC,s

PP to submit revised disaster management plan with lightning arrester plan.

PP to submit the Plan showing alignment of storm water drain, the depth along with chambers and final disposal point & section through the internal road. Showing place left for planting of trees. Sewage water drain internal road and space left between, building & internal Road.

The committee found that some tenants are already staying there and its violation case a show cause notice is to be issued to the consultant for suppressing the information and misleading the committee.

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

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Proposed Construction Project by M/s Chhajed Associates

Is a Violation Case: No

1.Name of Project	Palm Rose
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nikhil, Lalit, Mahendra Chhajed.
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	S. No. 15/7
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr Nikhil, Lalit, Mahendra Chhajed
Room Number:	-
Floor:	-
Building Name:	Vardhaman Bhoomi
Road/Street Name:	Vijaynagar
Locality:	Kalewadi
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 41479.32
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable - 1928.83m2
15.Total Plot Area (sq. m.)	12300 m2
16.Deductions	3016.88 m2
17.Net Plot area	9283.12 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20613.43 m2
	b) Non FSI area (sq. m.): 22428.84 m2
	c) Total BUA area (sq. m.): 43042.27
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19441.60
	Approved Non FSI area (sq. m.): 22037.72
	Date of Approval: 09-11-2017
19.Total ground coverage (m2)	3280.38m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.66% of Total plot area (12300.00 m2) & 35.33% of Net plot area (9283.12 m2)
21.Estimated cost of the project	950000000

22.Number of buildings & its configuration

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

1	Wing - A	GP+UP+12	42.00 m
2	Wing - B	GP+UP+12	42.00 m
3	Wing - C	GP+UP+12	42.00 m
4	MHADA	GP+10FL	33.00 m
5	Commercial Building	G + 2FL	11.20 m

23.Number of tenants and shops	Total Tenements – 378 Nos. Shops- 10 Nos & Offices- 20 Nos
24.Number of expected residents / users	Residential Users : 1890 Nos. ,Commercial Users : 304 Nos. ,Total Users : 2194 Nos.
25.Tenant density per hectare	307.31
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 M wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	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):	296.33 m3/day (One time)
	Recycled water - Flushing (CMD):	92.65 m3/day
	Recycled water - Gardening (CMD):	21.00 m3/day
	Swimming pool make up (Cum):	1.5 m3/day
	Total Water Requirement (CMD) :	182.68 m3/day
	Fire fighting - Underground water tank(CMD):	150.00 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	132.79 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	275.33 m3/day (One time
	Recycled water - Flushing (CMD):	92.65m3/day
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	1.5 m3/day
	Total Water Requirement (CMD) :	182.68m3/day
	Fire fighting - Underground water tank(CMD):	150.00 m3/day
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	153.79 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 12M X 6M X 1.2M Total water Requirement in KLD: 84000 Ltr Water requirement in KLD: 1500 Lit/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): Capital Cost: Rs 17.25 Lakh O & M Cost: Rs. 1.74 Lakh /Year	

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:**	Pre-Monsoon (Summer Season): 19.75m -23.25 m BGL (21.50 m. BGL Average) ,Post Monsoon (Rainy Season): 8.00 m -14.50 m BGL (11.250 m. BGL Average) , Post Monsoon (Winter Season): 13.38 m. - 15.88 m BGL (16.38 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:	3 nos.
	Size of recharge pits :	2.25 m x 2.25 m x 1.75 m
	Budgetary allocation (Capital cost) :	Rs. 23.00 Lakh
	Budgetary allocation (O & M cost) :	Rs.2.00 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 292.02 m3 Flushing tank capacity: 170.48 m3 Fire UG tank Capacity: 150.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	96.41 m3/day
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	246.44 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. & Capacity - 250 m3/day
	Location & area of the STP:	Area = 120 m2
	Budgetary allocation (Capital cost):	Rs. 24.5 Lakh
	Budgetary allocation (O & M cost):	Rs. 9.75 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	75 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	423.6 kg/day
	Wet waste:	597.4 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	22.17 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic waste converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	69.00 m2
	Area for machinery:	Included in other Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.16.75 Lakh
	O & M cost:	Rs.3.63 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 - 125 KVA-01 No.	HSD - 22 Lit/Hr	S - 1	6.5 m	To be Provided	-
2	DG Set - 40 KVA - 01 No.	HSD - 6.5 Lit/hr	S - 2	5.5 m	To be Provided	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	28.5 Lit/Hr	28.5 Lit/Hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		

42.Mode of Transportation of fuel to site	By roadway

43.Green Belt Development	**Total RG area :**	1032.48m2
	No of trees to be cut :	NA
	Number of trees to be planted :	162 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of Construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia tomentosa	Yellow bauhinia	10	Small tree known to have antimicrobial activity.
2	Albizia lebbeck	Shrish	06	Fast growing deciduous tree.
3	Putranjiva roxburghii	Putranjiva	07	Evergreen and ornamental tree with medicinal values.
4	Azardiracta indica	Neem	06	Fast growing used for medicinal purpose and pest control.
5	Anthocephalus cadamba	Kadamba	13	It has orange flowers and attracts bees, butterflies and birds.
6	Erithrina indica	Silk cotton tree	12	Medium sized flowering tree.
7	Pongamia glabra	Indian beech	08	Tree has medicinal properties.
8	Syzygium cumini	Jamun	10	Fruit bearing tree attracts birds.
9	Artocarpus heterophyllus	Jackfruit	09	Huge fruit bearing tree attracts birds.
10	Plumeria alba	White frangipani	08	Ornamental and flowering tree.
11	Bauhinia blakeana	Hong kong ochid tree	07	Evergreen and flowering tree and is a spectacular trees.
12	Cassia fistula	Bahava	13	Ornamental tree with yellow flowers.
13	Fishtail palm	Palm	07	Tall ornamental tree.
14	Nyctanthes arbor-tristis	Parijatak	06	Ornamental with fragrant flowers attracts birds and butterflies.
15	Mangifera indica	Mango	15	Evergreen with huge canopy and fruit bearing tree.
16	Tabubia rosea	Tabubia	16	Deciduous tree with spreading crown.
17	Polyalthia longifolia	Ashok	09	Tall ornamental 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	-	-	-

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	40 KVA - 1No.
	During Operation phase (Connected load):	1798 KW
	During Operation phase (Demand load):	1598 KVA
	Transformer:	2 nos. x 630 KVA
	DG set as Power back-up during operation phase:	125 KVA-01 no. & 40 KVA -01 no.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

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 lightings & Garden lightings
• 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 LED Lights.

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.	26584.33 KWH/Annum
2	Up Lighter - Light Fitting For Landscape Area.	350.4 KWH/Annum
3	Bollard Lighter - Light Fitting For Landscape Area.	255.5 KWH/Annum
4	Solar Street Light Fitting - Pole Light On Road Side	2190 KWH/Annum
5	Street Light on the Bldg.	1314 KWH/Annum
6	Energy Saving by Solar Hot Water System.	425250 KWH/Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.

Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 44.24 Lakh
	O & M cost:	Rs 1.30 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	1.00 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	-	Rs. 24.5 Lakh	Rs. 9.75 Lakh/Year
2	RWH	-	Rs.3.75 Lakh	Rs.0.30 Lakh/Year
3	MSW	-	Rs.16.75 Lakh	Rs.3.63Lakh/Year
4	Solar System	-	Rs.44.24 Lakh	Rs.1.30 Lakh/Year
5	Landscaping	-	Rs.23.00 Lakh	Rs.2.00 Lakh/Year
6	Swimming Pool	-	Rs. 17.25 Lakh	Rs.1.74 Lakh/Year
7	Safety Equipment	-	Rs. 10.00 Lakh	Rs. 2.00 Lakh/Year
8	Post EC Monitoring	-	-	Rs. 2.50 Lakh/Year
9	Dry Waste Management	-	-	Rs.2.26 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:**	NA
	Number and area of podia:	1 No- 5463 m2
	Total Parking area:	9954.4m2
	Area per car:	45.87m2
	Area per car:	45.87m2
	Number of 2-Wheelers as approved by competent authority:	816 Nos.
	Number of 4-Wheelers as approved by competent authority:	217 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	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 Proposed Construction Project at S. No. 15/7 by**M/s Chhajed Associates.**

PP submitted their application for prior Environmental clearance fortotal plot area of 12300Sq. Mtrs, BUA of43042.27Sq. Mtrs and FSI area of 20613.43Sq. Mtrs.PP proposes to construct 4 no. residential building and 1 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

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

Specific Conditions by SEAC:

1) PP to submit details plan showing alignment of storm water drain, depth along with chambers and final disposal point and section through the internal road. Showing place left for planting of trees.
2) PP to submit revise debris management plan.
3) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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

Agenda of 68th SEAC-3 Meeting

SEAC Meeting number: 68 **Meeting Date** August 23, 2018

Subject: Environment Clearance for Amendment in environmental clearance for Ganga Fernhill (Previously Ganga Rosewood) at Undri by Meenamani ganga BuilderLLP

Is a Violation Case: No

1.Name of Project	Ganga Fernhill
2.Type of institution	Private
3.Name of Project Proponent	Meenamani Ganga Builder LLP
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous environmental clearance vide no.SEAC-2013/CR360/TC-2 dated 26 december 2014
8.Location of the project	S. No. 23/4/1, Village Undri, Tal. Haveli, Dist. Pune, Maharashtra
9.Taluka	Haveli
10.Village	Undri
Correspondence Name:	Mr. Sagar Kumbhar
Room Number:	NA
Floor:	Ground floor
Building Name:	San Mahu Complex
Road/Street Name:	5 Bund Graden Road
Locality:	Camp
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: 17168.70
13.Note on the initiated work (If applicable)	Constructed area: 6650.30 sqm. As per sanction plan vide no.BHA of letter No. C/R153/15-16/Mouze Undri S.No./Gat No./CTS Mo. 23/4/1dated 29/09/2016.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	17500
16.Deductions	5666.95
17.Net Plot area	11833.05
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22111.65
	b) Non FSI area (sq. m.): 15824.83
	c) Total BUA area (sq. m.): 37936.48
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)	3736.62 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.58
21.Estimated cost of the project	643100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A building	G/P +14 (as per previous EC G/P +12)	44.70
2	B Building	G/P + 14 (as per previous EC G/P +12)	44.70
3	C building	G/P +14 (as per previous EC B+P +12)	44.70
4	D building	G//P +14 (as per previous EC B+P +12)	44.70
5	Amenity building (School)	P+5	22.35
6	Club house	G+1 (as per previous EC G +1)	7.0
7	podium slab	G+1	3.50
8	podium slab	G+1	3.50
9	convenient shopping	G+0	4.2

23.Number of tenants and shops	388 + 38 shops (As per previous EC Tenements: 312 and convenient shopping 52)
24.Number of expected residents / users	Residential: 1940 commercial: 395 school: 825
25.Tenant density per hectare	250/hectar
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	Building A: up to 8th floor, Building B up to 4th floor, Building C: up to ground floor , Building D: Not yet started.
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**	PMC
	Fresh water (CMD):	202
	Recycled water - Flushing (CMD):	121
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	335
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	169
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	202
	Recycled water - Flushing (CMD):	121
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	323
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	181
Details of Swimming pool (If any)	kids pool: 7sqm Water requirment: 4 KL	

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	202	202	not applicable	20	20	Not applicable	182	182
Gardening	Not applicable	12	12	Not applicable	12	12	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	30 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	11
	Size of recharge pits :	5 m X 3 m X 2 m
	Budgetary allocation (Capital cost) :	6.75/- lakhs
	Budgetary allocation (O & M cost) :	2.53/- lakhs per annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 280 KL Treated Water UG tank Capacity: 266 KL Fire UG tank Capacity: 200 KL School : Domestic UG tank Capacity: 56 KL Treated Water UG tank Capacity: 40 KL Fire UG tank Capacity: 50 KL
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	663.41 m3/hr
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	302 (Residential + commercial: 266 and for school: 36)
	STP technology:	MBBR
	Capacity of STP (CMD):	270 (residential + commercial) + 40 (School)
	Location & area of the STP:	Please refer layout Area 150 m2 and 30 m2
	Budgetary allocation (Capital cost):	85 /- lakhs
	Budgetary allocation (O & M cost):	30 lakhs per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of raw material
	Disposal of the construction waste debris:	Land filling on same site
Waste generation in the operation Phase:	**Dry waste:**	Residential & Commercial: 385 Kg/day and school: 82.5 kg/day
	Wet waste:	Residential & commercial: 576 Kg/day and school: 42 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable as no hospital is proposed
	STP Sludge (Dry sludge):	35 kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	Through mechanical composting unit
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	through mechanical composting unit as manure
	Others if any:	Not applicanle
Area requirement:	**Location(s):**	Please refer layout
	Area for the storage of waste & other material:	20
	Area for machinery:	15
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20.58 lakhs
	O & M cost:	5.4 /- lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6 -8.5	7-7.5	7.0- 8.0
2	Total Suspended solids	mg/lit	250	less than or equal to 10	100
3	BOD	mg/lit	<350	less than or equal to 10	30
4	COD	mg/lit	<450	less than or equal to 50	250
5	Oil & grease	mg/lit	<50	ND	10
6	Nitrogen	mg/lit	40-50	less than or equal to 10	Not applicable
7	Phosphate	mg/lit	5-7	less than or equal to 5	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 :**	1577.74 sqm
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Existing -281 and Proposed 54
	List of proposed native trees :	as per the list below
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca indica	Sita Ashok	11	Good for road side plantation
2	Lagerstromia flos reginae	Tamhan	20	Good as avenue tree
3	Khaya grandis	Khaya	11	Good for road side plantation
4	Acrus sapota	Chikoo	06	Fruit bearing tree
5	psidium gujava	Guava	06	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	Not applicable	Not applicable	Not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	1895 KW
	During Operation phase (Demand load):	1134 KW
	Transformer:	630 KVA X 2
	DG set as Power back-up during operation phase:	180 KVA & 65.5 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

? Use of LED in Parking area, lift-lobby and stair-case.
? Using Solar system in Common Area Lighting (10%). & Street/ Landscape lights with LED lamps.
? V3F drive is proposed for all lifts.
? As per MSEDCL requirements, it is recommended to use low loss Transformer. Losses for Transformer shall, in principal, comply with ECBC norms.
? Recommend to attain power factor of the installation near unity.
? Independent Energy meters for all pollution control equipments.
• Annual Savings with energy efficient equipment is 13.6 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panels	0.63 %
2	Timer logic Controller	0.98
3	Electronic V3F drive for lift	0.38
4	Solar water heater	11.87

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution	Not applicable	STP
Solid waste managment	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	76.5 lakhs
	O & M cost:	2.88 lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression method	1.44
2	Site safety and sanitation	PEE for labours providing mobile toilets	4.88
3	Disinfection and health check up	health camp	3.2
4	Environmental monitoring	Monitoring of air, noise , analysis of water and soil	1.08

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	two stp of 270 and 40 KLD capacity	85	30
2	Solid waste mamagement	OWC	20.58	5.4
3	Storm water network	Internal piping	9.4	1.41
4	Rain water Harvesting	Recharge pits 11	6.75	2.53
5	Landscape	tree plantation	8.13	1.93
6	Energy conservation measures	Solar and PV panels	76.5	2.88
7	to lay pipeing up to final disposal point of drainage	Piping up to final disposal	5.0	0.68
8	Environmental Monitoring	Monitoring and analusis of Air, Noise , water and soil	0	1.0
9	Site safety and training	Training to labours and providing PEE	9.00	0
10	Water supply through tanker	tanker cost	0	5.4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	area of Podium (2)
	Total Parking area:	8459.2
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	518
	Number of 4-Wheelers as approved by competent authority:	206
	Public Transport:	NA
	Width of all Internal roads (m):	6 m drive way
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	yes
	Other Relevant Informations	NA
	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 Amendment in EC for Ganga Fernhill (Previously Ganga Rosewood) at S. No. 23/4/1, Village Undri, Tal. Haveli, Dist. Pune, by **M/s.Meenamaniganga Builder LLP.**

PP submitted their application for Expansion of Environmental clearance fortotal plot area of 17500Sq. Mtrs, BUA of 37936.48Sq. Mtrs and FSI area of 22111.65Sq. Mtrs.PP proposes to construct 4 no. residential building.

Now 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

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

Specific Conditions by SEAC:

1) PP to submit revised CFO NOC.
2) PP to submit an undertaking stating that they will not give possession until sustainable water supply is provided.
3) PP to submit compliance of earlier EC and six monthly compliance reports.
4) PP to submit undertaking for CER activities.

FINAL RECOMMENDATION

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