Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Residental project

Is a Violation Case: No

1.Name of Project	K Bellaza
2.Type of institution	Private
3.Name of Project Proponent	Vishal Kothari
4.Name of Consultant	Pollution & Ecology control services .Near Dhantoli Police station Dhantoli Nagpur
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat. No.124 (New), 121 (Old)
9.Taluka	Pirangut
10.Village	Mulshi
Correspondence Name:	Vishal kothari
Room Number:	S.NO.692/A/A, FLAT NO -7
Floor:	-
Building Name:	Motibaug
Road/Street Name:	Pune-Satara Road Bibvewadi
Locality:	Pune city
City:	pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In conformity with Development Control rules
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 31811.06
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13273.39
16.Deductions	0
17.Net Plot area	13273.39
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19573.6
	b) Non FSI area (sq. m.): 12237.42
	c) Total BUA area (sq. m.): 31811.06
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Proposed FSI area - 19573.64
	Approved Non FSI area (sq. m.): Proposed Non FSI Area- 12237.42
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3385.7
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.51 %
21.Estimated cost of the project	554900000.00

22.Number of buildings & its configuration

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

1	A1	LP + UP + 13	41.55
2	A2	LP + UP + 13	41.55
3	B1	LP + UP + 13	40.20
4	B2	LP + UP + 13	40.20
5	Amenity Building	G + 2	12.25
6	Club House	G + 1	-

23.Number of tenants and shops	No of tenants- 352 No. of shops- 14 shops in wing A1 & shops in commercial space of amenity Building
24.Number of expected residents / users	No. of residents- 1760 No of Commercial Users- 356
25.Tenant density per hectare	266
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

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 Pirangut
	Fresh water (CMD):	165.52
	Recycled water - Flushing (CMD):	88.1
	Recycled water - Gardening (CMD):	7.97
	Swimming pool make up (Cum):	0.00
	Total Water Requirement (CMD) :	261.59
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	157.55
Wet season:	**Source of water**	Grampanchayat Pirangut
	Fresh water (CMD):	165.52
	Recycled water - Flushing (CMD):	88.1
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	0.00
	Total Water Requirement (CMD) :	253.62
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	165.52
Details of Swimming pool (If any)	Nil	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 M
	Size and no of RWH tank(s) and Quantity:	1 No. of RWH tank of 23 Cum
	Location of the RWH tank(s):	Collection in Raw Water Tank
	Quantity of recharge pits:	4
	Size of recharge pits :	2 X 2 X 2.5
	Budgetary allocation (Capital cost) :	2.60 Lac
	Budgetary allocation (O & M cost) :	0.11 Lac P. A
	Details of UGT tanks if any :	Domestic UG Tank Capacity- 249 KLD Flushing UG Tank Capacity- 49 KLD Fire UG Tank Capacity- 200 KLD
35.Storm water drainage	**Natural water drainage pattern:**	North to south
	Quantity of storm water:	6418.93 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Residential - 237.6 KLD Commercial - 16.02 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2- Nos of STP 250 KLD & 17 KLD
	Location & area of the STP:	Shown on plan
	Budgetary allocation (Capital cost):	36 Lac
	Budgetary allocation (O & M cost):	3.96 Lac
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4 Kg/Day
	Disposal of the construction waste debris:	To be disposed through authorized agency and recyclers.
Waste generation in the operation Phase:	**Dry waste:**	387.6 Kg/Day
	Wet waste:	569.83 Kg/Day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	24.03 Kg/Day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	Through Authorized agencies
	Wet waste:	In-Situ by Composting
	Hazardous waste:	Through Authorized agency
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	In-situ by composting
	Others if any:	Through Authorized agency
Area requirement:	**Location(s):**	Marked on plan
	Area for the storage of waste & other material:	73 Sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.02 LAc
	O & M cost:	2 Lac P. A

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 :**	1327.34 Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	190
	List of proposed native trees :	listed below
	Timeline for completion of plantation :	Before 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	Ailanthusexcelsa	Maharukh	07	Medicinal value, Drought tolerant species.
2	Albizialebek	Shirish	07	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Choclospermumreligiosum	Sonsawar	10	Medicinal value,Native species
4	Cordiadichotoma	Bhokar	7	Medicinal value, Edible fruits,
5	Bauhiniablackiana	Kanchanraj	7	Every part of the plant is medicinal, Drought tolerant species.
6	Ficusglomerata	Umber	7	Medicinal value, Edible fruits, Bird attracting species
7	Buteamonosperma	Palas	7	Medicinal value, Bird attracting species , To control soil erosion.
8	Syzygiumcumini	Jamun	7	Medicinal value, Edible fruit.
9	Anthocephaluskadamba	Kadamb	6	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
10	Azardirachtaindica	Neem	15	Medicinal value, To control soil erosion. To improve soil erosion
11	Dalbergiasissoo	Shisav	7	Medicinal value, Bird attracting species ,
12	Ficusarnottiana	Payar	7	Drought tolerant species, Bird attracting species. To control soil erosion.
13	Bauhiniapurpurea	Gulabikanchan	7	Every part of the plant is medicinal , Drought tolerant species.
14	Ficusretusa	Nandruk	4	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Pongamiapinnata	Karanj	4	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
16	Mangiferaindica	Mango	4	Edible fruit, Bird attracting species.
17	Micheliachampaca	Sonchafa	7	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.

18	Phyllanthusemblica	Awala	4	Medicinal value, To control soil erosion.
19	Saracaindica	Sita-ashok	7	Medicinal value, Religious plant.
20	Cassiafistula	Bahawa	7	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
21	Azardirachtaindica	Neem	4	Medicinal value, To control soil erosion. To improve soil erosion
22	Bahuniaracemosa	Apta	4	Every part of the plant is medicinal, Drought tolerant species.
23	Murrayakoengii	Kadipatta	4	Medicinal value,Edible leaves.
24	Aeglemarmelos	Bel	4	Medicinal value,Drought tolerant species.
25	Putrnjivaroxburghii	Putrnjiva	4	Medicinal value, Drought tolerant species,
26	Roystoniaregia	Bottle Palm	4	Ornamental plant, Medicinal value, Birds & bats eat fruits.
27	Gmelinaarborea	Shivan	4	Medicinal value, Drought tolerant species, Bird attracting species.
28	Mimosupselengii	Bakul	4	Fragrant flowers, Medicinal value, To control soil erosion.
29	Caryotaurens	Fishtail palm	4	Grown in any type of soil. Very Hardy.
30	Citrusspecies	Lemon	4	Medicinal value, Edible fruit.
31	Nyctanthusarbortristis	Parijatak	4	Fragrant flowers, Medicinal value,
32	Dalbergiasissoo	Shisav	4	Medicinal value, Bird attracting species ,
33	Erythrinaindica	Pangara	4	Fragrant flowers, Drought tolerant species, Birds attracting
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)	60 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1309.46 KW
	During Operation phase (Demand load):	1063.02 KVA
	Transformer:	2 Nos of 630 KVA
	DG set as Power back-up during operation phase:	1 No. of 125 KVa
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar water Heater
2. Solar street Lights
3. Solar PV Generation

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater	10.76 %
2	Solar Street Light	0.138 %
3	Solar PV Generation	0.096 %
4	TOTAL	11 %

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:**	34.60
	O & M cost:	0.71

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation & safety	Health & Safety	0.60
2	Environment Monitoring	Air, water, Noise	1.80
3	Disinfection	Health & Safety	0.50

4	Health Checkup	Health & Safety	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Pits	2.60	0.11
2	Sewage Generated	STP	36.00	3.96
3	Solid Waste	Composting	12.02	2
4	Green Belt development	Tree Plantation	25.90	4.15
5	Energy	Non conventional	39.0	0.8
6	Monitoring	-	0.00	1.80

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:	Two junctions with sufficient width provided for incoming and outgoing cars separately to avoid traffic congestion
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	2 Nos
	Total Parking area:	6163 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	665 Nos
	Number of 4-Wheelers as approved by competent authority:	26 Nos
	Public Transport:	Not proposed in the project
	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	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	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 Residental project at Gat. No.124 (New), 121 (Old) , Mulshi,Tal- Pirangut,Pune by M/s. K Bellaza.

PP submitted their application for prior Environmental clearance for total plot area of 13273.39 m2, BUA of 31811.06 m2 and FSI area of 19573.6 m2. PP proposes to construct 4 no. residential building,1 amenity 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

Committee noted that the PP has complied with the points raised in 67th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Residential Project at Sr. no. 152 , Hissa no. 1/1 ,Hinjewadi By M/s. Redshift Buildcon

Is a Violation Case: No

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak B. Raykar
4.Name of Consultant	Vke:Environmental LLP , Pune.
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	New project
8.Location of the project	At - Sr. n. 152, Hissa n. 1/1 , Hinjewadi .
9.Taluka	Mulshi
10.Village	Hinjewadi.
Correspondence Name:	NA
Room Number:	Na
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Na
City:	NA
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
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.)	16,000.00
16.Deductions	616.16
17.Net Plot area	15383.84
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19399.83
	b) Non FSI area (sq. m.): 15824.43
	c) Total BUA area (sq. m.): 35224.26
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)	3533.19
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23% on net plot area
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Building	2P+11	37.50
2	B Building	2P+12	40.35
3	C Building	2P+11	37.50
4	D Building	P+11	34.50
5	Club House	G+1	6.90

23.Number of tenants and shops	356 + 2 bunglows
24.Number of expected residents / users	1790
25.Tenant density per hectare	1119
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 mtr wide (Nearest Fire Station -Hinjewadi Fire Station Phase 1)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	No any existing Structures 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**	Hinjewadi Grampanchayat
	Fresh water (CMD):	165
	Recycled water - Flushing (CMD):	80
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	0.7
	Total Water Requirement (CMD) :	255
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	100
Wet season:	**Source of water**	Hinjewadi Grampanchayat
	Fresh water (CMD):	160
	Recycled water - Flushing (CMD):	80
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	0.7
	Total Water Requirement (CMD) :	241
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	114
Details of Swimming pool (If any)	Volume of Swimming Pool: 71.5 cum 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:**	Pre monsoon : 20m bgl ,Post monsoon : 12 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 No. of recharge pits with bore well
	Size of recharge pits :	1.5m x1.5m x 1.5m (60 m depth)
	Budgetary allocation (Capital cost) :	1,83,000 /-
	Budgetary allocation (O & M cost) :	25,000 /-
	Details of UGT tanks if any :	Total Capacity of UGWT = 440 kld For Domestic =240 KLD For Fire =200 KLD
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	14941.38 m3/day
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	218 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 nos. of STP with 220 KLD Capacity
	Location & area of the STP:	Near A Building , Total Area is
	Budgetary allocation (Capital cost):	65,00,000 /-
	Budgetary allocation (O & M cost):	8,50,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day (Wet+Dry)
	Disposal of the construction waste debris:	The entire construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
Waste generation in the operation Phase:	**Dry waste:**	358 kg/day
	Wet waste:	537 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	93 kg/ day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers for further handling & disposal purpose
	Wet waste:	Wet waste will be treated onsite organic waste converter machine .
	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):**	Near A building
	Area for the storage of waste & other material:	15 sqm.
	Area for machinery:	45 sqm.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18,75,000 /-
	O & M cost:	3,44,068 /-

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 :**	2400.94 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	170
	List of proposed native trees :	Refer Below list :
	Timeline for completion of plantation :	Till the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta Indica	Neem	10	A medium to large size hardy tree which stand in drought condition attain larger size in dry regions
2	Sara indica	Sara indica	12	A large size tree with dense foliage provides shade along roads ,wood is water resistant
3	Syzlum Cumini	Jambhul	10	Large evergreen tree, fruit bearing tree, common on roadsides , native to pune
4	Pongamia Pinnata	Karanj	10	Large deciduous tree , shady tree with pinkish white flowers
5	Ficus Benjamina	Nandrukh	07	Large deciduous tree , shady tree with pinkish white flowers
6	Millingtonia Hortensis	Booch	20	Large deciduous tree , shady tree with pinkish white flowers
7	Plumeria alba	Champa	27	Ornamental flowering tree
8	Jacaranda Mimosifolia	jacaranda	10	Medium size gracious deciduous tree which prefers moderate climate.
9	Albizia Lebbeck	Shirish	10	Medium size gracious deciduous tree which prefers moderate climate.
10	Terminalia catappa	Badam	12	Tall deciduous, fruit bearing
11	Lagerstromia flosregineae	Taman	20	State flower tree of maharashtra medium size tree, beautiful purple flowers ,grows well in both dry and humid climate
12	Cassia Fistula	Golden Shower	16	Small hardy , ornamental tree
13	Butea Monosperma	Small deciduous . Good for roadside plantation	06	Small Deciduous . Good for roadside plantation
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)	14.58 KW
	DG set as Power back-up during construction phase	1 DG set of 20 KVA
	During Operation phase (Connected load):	2053.35 KW
	During Operation phase (Demand load):	1123.36 KVA
	Transformer:	2 nos. X 630 KVA
	DG set as Power back-up during operation phase:	1 DG set of 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy Saving in KW 552.39 Kw i.e. (7.24 % Savings)
Energy saving due to solar 465803.75 (KWH) i.e. 82.19%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of high efficiency 7 watt LED Bulb	749 nos
2	External Street Lighting -Total pole Light	36 nos
3	Total Light points in club house	30 nos
4	External decorrative fitting -Total light points	20 nos
5	Energy saving due to solar	465803.75 (KWH) i.e. 82.19%

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:**	11,42,850 /-
	O & M cost:	57,142 /-

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	19.54

2	Land	Labour Camp toilets & sanitation	4.80
3	Health and Safety	Labour Safety Equipments and training	4.00
4	facility	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring	1.85

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	220 KLD -MBBR Technology	65	8.50
2	Solid Waste Management	SM-50 , CD-600	18.75	3.44
3	Landscaping	Development and Maintenance	6.70	0.53
4	Rain Water Harvesting	5 Recharge pits with bore well	1.83	0.25
5	Energy Saving	Solar PV panels	11.42	0.57
6	Environmental Monitoring	-	-	1.82

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project side

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	1 Podium and Area is 2712.58 sqm
	Total Parking area:	3260 sqm.
	Area per car:	12.5 sqm.
	Area per car:	12.5 sqm.
	Number of 2-Wheelers as approved by competent authority:	400
	Number of 4-Wheelers as approved by competent authority:	400
	Public Transport:	NA
	Width of all Internal roads (m):	6 m. wide internal road is provided and 9 m. turning radius will be provided .
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NA
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of 4 residential building having 356 flats & 2 bunglows + one club House
	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 Project at Sr. no. 152 , Hissa no. 1/1 ,Hinjewadi By M/s.Redshift Buildcon.

PP submitted their application for prior Environmental clearance for total plot area of 16000.00 m2, BUA of 35224.26 m2 and FSI area of 19399.83 m2. PP proposes to construct 4 no. residential building & 1 club house + 2 bungalows.

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

Committee noted that the PP has complied with the points raised in 67th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Environmental Clearance of Proposed Residential Development (South Parcel) at Mamurdi, Pune

Is a Violation Case: No

1.Name of Project	Proposed Environmental Clearance of Proposed Residential Development (South Parcel)
2.Type of institution	Private
3.Name of Project Proponent	Godrej Skyline Developers Pvt. Ltd.
4.Name of Consultant	Building Environment India Pvt.Ltd.
5.Type of project	Residential Development with convenient shopping
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. 10/1A/3, 10/1B, 11/1A, 11/2A, 11/3, 11/4, 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B
9.Taluka	Haveli
10.Village	Mamurdi
Correspondence Name:	Godrej Skyline Developers Pvt. Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411003.
Room Number:	--
Floor:	10th Floor, C wing
Building Name:	Godrej Eternia,
Road/Street Name:	Wakdewadi,
Locality:	Shivaji Nagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: IOD Applied
	Approved Built-up Area: 429066.86
13.Note on the initiated work (If applicable)	Construction Not Yet statrted
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Total Plot area: 1,44,812.00sq.mt
16.Deductions	Deduction: 29,231.44 sq.mt.
17.Net Plot area	Net plot area: 1,15,581.54 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,47,552.11 sq.mt
	b) Non FSI area (sq. m.): 1,81,514.75 sq.mt
	c) Total BUA area (sq. m.): 429066.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2,47,552 .11 sq.mt
	Approved Non FSI area (sq. m.): 1,81,514 .75 sq.mt
	Date of Approval: 18-04-2018
19.Total ground coverage (m2)	45,355.00 sq.mt
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.00
21.Estimated cost of the project	11122000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No.1	P1+P2+P3+18	67
2	Bldg. No.2	P1+P2+P3+18	67
3	Bldg. No.3	P1+P2+P3+18	67
4	Bldg. No.4	P1+P2+P3+18	67
5	Bldg. No.5	P1+P2+P3+17	64
6	VILLA TYP1-1 X 97	G+2	11
7	VILLA TYP1-2 X 27	G+2	11
8	Bldg. No.6	P1+P2+P3+19	70
9	Bldg. No.7	P1+P2+P3+19	70
10	Bldg. No.8	P1+P2+P3+19	70
11	Bldg. No.9	P1+P2+P3+19	70
12	Bldg. No.10	P1+P2+P3+19	70
13	Bldg. No.11	P1+P2+P3+19	70
14	Bldg. No.12	P1+P2+P3+19	70
15	Bldg. No.13	P1+P2+P3+19	70
16	Bldg. No.14	P1+P2+P3+19	70
17	Bldg. No.15	P1+P2+P3+19	70
18	Bldg. No.15	P1+P2+P3+19	70
19	Master Club House	P1+P2+P3+5	35
20	Club House No. 1	G+1	8
21	Club House No. 2	G+1	8
22	Club House No. 3	G+1	8
23	EWS Building 1	P1+20	70

23.Number of tenants and shops	No of Flats: 3167 No of Shops: 150
24.Number of expected residents / users	Residents:15835 Nos., Commercial: 532.00 Nos.
25.Tenant density per hectare	230
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.00 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	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 / Tanker / STP Treated Water
	Fresh water (CMD):	Phase-1: 348.00; Phase-2: 71.00, Phase-3: 528.00; Phase-4: 437.00; EWS:234.00; Club House: 46.00 Total: 1664.00
	Recycled water - Flushing (CMD):	Phase-1: 170.00; Phase-2: 37.00, Phase-3: 259.00; Phase-4: 214.00; EWS:118.00; Club House: 28.00 Total: 826.00
	Recycled water - Gardening (CMD):	Phase-1:21.00; Phase-2: 15.00, Phase-3: 27.00; Phase-4: 27.00; EWS:--; Club House: 8.00 Total: 98.00
	Swimming pool make up (Cum):	PPhase-1:11.50; Phase-2: 11.50; Phase-3: 11.50; Phase-4: 11.50;; Club House: 11.50;
	Total Water Requirement (CMD) :	Phase-1:539.00; Phase-2: 123.00, Phase-3: 814.00; Phase-4: 678.00; EWS:352.00; Club House: 82.00 Total: 2588.00
	Fire fighting - Underground water tank(CMD):	Phase-1: 1 No. of 400Cu.m capacity and 1 No. of 600Cu.m capacity U.G fire tank; Phase-3: 1 No. of 400Cu.m capacity and 1 No. of 600Cu.m capacity U.G fire tank; Phase-4: 1 No. of 400Cu.m capacity and 1 No. of 600Cu.m capacity U.G fire tank; EWS: 1 No. of 400Cu.m capacity U.G fire tank Club House: 1 Nos. of 200Cu.m capacity U.G fire tank
	Fire fighting - Overhead water tank(CMD):	5 Nos. of 10Cu.m capacity O.H fire tank required for Project A. 5 Nos. of 10Cu.m capacity O.H fire tank required for Project C. 5 Nos. of 10Cu.m capacity O.H fire tank required for Project D. 2 Nos. of 10Cu.m capacity O.H fire tank required for Project EWS. 1 Nos. of 5Cu.m capacity O.H fire tank required for Project Clubhouse.
	Excess treated water	Phase-1 :248CMD Phase-2:– 40CMD Phase-3 – 379CMD Phase-4 – 309CMD ; EWS –179CMD Project Clubhouse – 28CMD; Total:; 1183.00 CMD

Wet season:	**Source of water**	PCMC / RWH / Tanker / STP Treated Water
	Fresh water (CMD):	Project A – 348CMD Project B –71CMD Project C – 528CMD Project D – 437CMD Project EWS – 234CMD Project Clubhouse – 46CMD; Total: 1664.00 CMD
	Recycled water - Flushing (CMD):	Project A – 170CMD Project B – 37CMD Project C – 259CMD Project D – 214CMD Project EWS – 118CMD Project Clubhouse – 28CMD, Total:826.00 CMD
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	Project A – 11.5Cu.m Project C – 11.5Cu.m Project D – 11.5Cu.m Project Clubhouse – 11.5Cu.m
	Total Water Requirement (CMD) :	Project A – 518KLD Project B – 108KLD Project C –787KLD Project D – 651KLD Project EWS – 352KLD Project Clubhouse – 74KLD; Total:2490.00 CMD
	Fire fighting - Underground water tank(CMD):	Phase-1: 1 No. of 400Cu.m capacity and 1 No. of 600Cu.m capacity U.G fire tank; Phase-3: 1 No. of 400Cu.m capacity and 1 No. of 600Cu.m capacity U.G fire tank; Phase-4: 1 No. of 400Cu.m capacity and 1 No. of 600Cu.m capacity U.G fire tank; EWS: 1 No. of 400Cu.m capacity U.G fire tank Club House: 1 Nos. of 200Cu.m capacity U.G fire tank
	Fire fighting - Overhead water tank(CMD):	5 Nos. of 10Cu.m capacity O.H fire tank required for Project A. 5 Nos. of 10Cu.m capacity O.H fire tank required for Project C. 5 Nos. of 10Cu.m capacity O.H fire tank required for Project D. 2 Nos. of 10Cu.m capacity O.H fire tank required for Project EWS. 1 Nos. of 5Cu.m capacity O.H fire tank required for Project Clubhouse.
	Excess treated water	Phase-1– 269CMD Phase-2 – 55CMD Phase-3– 406CMD Phase-4 – 336CMD EWS –179CMD Project Clubhouse – 36CMD; Total:1281.00 CMD
Details of Swimming pool (If any)	Pool No. 1: 25.00 m x 10.00 m Pool No. 2: 25.00 m x 10.00 m Pool No. 3: 25.00 m x 10.00 m Pool No. 4: 25.00 m x 10.00 m	

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:**	8.8 M
	Size and no of RWH tank(s) and Quantity:	9 nOS. OF rwh tANKS WILL BE PROVIDED; UG RWH TANK -1 = 54 Cu.M UG RWH TANK -2 = 54 Cu.M UG RWH TANK -3 = 36 Cu.M UG RWH TANK -4 = 36 Cu.M UG RWH TANK -5 = 36 Cu.M UG RWH TANK -6 = 24 Cu.M UG RWH TANK - 7 = 219 Cu.M UG RWH TANK - 8 = 163 Cu.M UG RWH TANK - 9 = 30 Cu.M
	Location of the RWH tank(s):	-------
	Quantity of recharge pits:	10 Nos.
	Size of recharge pits :	4.5M DIA AND 4.5M EFFECTIVE DEPTH
	Budgetary allocation (Capital cost) :	2 Cr.
	Budgetary allocation (O & M cost) :	10 lacs
	Details of UGT tanks if any :	Under Ground Sump-1:- Domestic 479KLD,Flushing 241KLD,Gardening 31KLD Under Ground Sump-2:-Domestic-96KLD,Flushing -49KLD,Gardening-14KLD Under Ground Sump-3 :- Domestic-115KLD,Flushing -58KLD TANK WILL BE DESIGNED FOR 1.5 DAYS WATER DEMAND
35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	595 L/s
	Size of SWD:	1m(W) X 0.8 (D) 300mm freeboard allocated for SWD
Sewage and Waste water	**Sewage generation in KLD:**	Phase-1:461.00; Phase-2: 89.00, Phase-3: 700.00; Phase-4: 579.00; EWS:313.00; Club House: 67.00 Total: 2209.00
	STP technology:	MBBR
	Capacity of STP (CMD):	Phase-1:465.00; Phase-2: 90.00, Phase-3: 700.00; Phase-4: 580.00; EWS:315.00; Club House: 70.00
	Location & area of the STP:	STP-1 -640KLD (32.3MX19.4M) STP-2-130KLD(14.4MX9M) STP-3-154KLD(16MX10M)
	Budgetary allocation (Capital cost):	1132.00 l
	Budgetary allocation (O & M cost):	11.32 L

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	0.83 T/Day
	Disposal of the construction waste debris:	From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
Waste generation in the operation Phase:	**Dry waste:**	Phase-1:1128.00; Phase-2: 224.00, Phase-3: 1726.00; Phase-4: 1424.00; EWS:784.00; Club House: 167.00 Total: 5453.00 kg/day
	Wet waste:	Phase-1:752.00; Phase-2: 150.00, Phase-3: 1151.00; Phase-4: 949.00; EWS:523.00; Club House: 112.00 Total: 3637.00 kg/day
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	Project 1 – 24 KLD Project 2 – 5 KLD Project 3 – 35 KLD Project 4 – 29 KLD Project EWS – 16 KLD Project Clubhouse – 4 KLD; Total:113.00 KLD
	Others if any:	not applicable

Mode of Disposal of waste:	**Dry waste:**	will be handed over to Authorised Recycles as per Solid waste Management Rule,2016
	Wet waste:	Will be treated in OWC
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	will be used as manure in onsite landscaping
	Others if any:	--
Area requirement:	**Location(s):**	Layout showing location is attached
	Area for the storage of waste & other material:	OWC machine will be provided
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	--
	O & M cost:	--

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 :**	14350 m2
	No of trees to be cut :	236
	Number of trees to be planted :	900
	List of proposed native trees :	48 Nos.
	Timeline for completion of plantation :	throughout construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Casuarina equistifolia	Beach oak	07	Evergreen tree with slender foliage
2	Grevillea robusta	Silver Oak	55	Fast growing evergreen tree
3	Polyalthia longifolia	Ashoka	10	--Small evergreen alleviating noise pollution
4	Dalbergia sissoo	Sheesham	35	Fast growing hardy tree
5	Tamarindus indica	Imli	40	Fruit tree
6	Terminalia arjuna	Arjun	32	Evergreen, slender, medicinal property
7	Delonix regia	Gulmohar	22	Flowering and shade giving
8	Lagerstroemia indica	Pride of India	23	Flowering tree, ornamental
9	Albizia saman	Rain Tree	14	Large evergreen shade giving tree
10	Callistemon lanceolatus	Bottle brush	12	Drooping character, long blooming period
11	Salix babylonica	Weeping willow / Peking willow	10	--Drooping character, suited to wet habitats
12	Salix tetrasperma	Indian willow	08	Drooping character, suited to wet habitats
13	Acacia auriculiformis	Australian Blackwood	25	Evergreen ornamental tree with dense foliage
14	Ailanthus excelsa	Maharukh	21	Tall Deciduous tree
15	Albizia lebbeck	Siris	22	Shade and timber tree
16	Azadirachta indica	Neem	30	Shade giving, medicinal property
17	Ficus infectoria	Pilkhan	21	Seasonal variation in the canopy, shade
18	Syzygium cumini	Jamun	15	Fruit tree, shade giving
19	Peltophorum ferrugineum	Copper pod	17	Flowering ornamental tree
20	Pongamia glabra	Indian beech	28	Flowering, evergreen
21	Tamarix articulate	Salt cedar	15	Feather like foliage, suited to wet habitats, bird foraging and nesting
22	Ficus bengalensis	Banyan	12	Evergreen, shade giving
23	Cassia fistula	Amaltas	17	Flowering tree, ornamental
24	Bombax ceiba	Silk cotton tree	18	Deciduous flowering tree

25	Cassia nodosa	Pink javanica	19	Flowering, ornamental
26	Jacaranda mimosaefolia	Neeli gulmohar	19	Deciduous, flowering, ornamental
27	Chorisia speciosa	Pink silk floss	19	Flowering, ornamental
28	Mimusops selengi	maulsari	22	Evergreen, shade giving
29	Kigelia pinnata	Sausage tree	20	Evergreen, shade giving, flowering
30	Erythrina indica	Indian Coral tree	20	Flowering, ornamental
31	Butea monosperma	Palaash	28	Flowering, ornamental
32	Bauhinia blakeana/variegata	Kachnar	18	Flowering, ornamental, interesting leaf form
33	Plumeria alba	Champa	20	Medium sized flowering tree
34	Schleichera oleosa	Kusum	31	Flowering, medicinal property
35	Alstonia scholaris	Saptaparini	26	Shade giving, flowering, fragrant flowers
36	Terminalia mantaly	Madagascar almond	30	Horizontal branching pattern
37	Tabebuia rosea	Pink trumpet tree	24	Flowering, ornamental
38	Crataeva religiosa	Barna	16	Tall, shade giving, flowering tree
39	Madhuca longifolia	Mahua	14	Flowering, ornamental
40	Phoenix sylvestris	Sugar date palm	10	Tall, ornamental
41	Roystonea regia	Royal palm	12	Tall, ornamental
42	Washingtonia filifera	California palm	11	Tall, ornamental
43	Phoenix canariensis	Canary Island palm	9	Tall, ornamental
44	Phoenix dactylifera	Date Palm	8	Tall, ornamental
45	Ficus benjamina	Weeping fig	15	Evergreen, dense foliage, screening
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	Thevetia peruviana	1.8	112
2	Thespesia populnea--	2	178
3	Vitex negundo	0.5	67
4	Caesalpinia pulcherrima	0.45	70
5	Calliandra haematocephala	1.8	170
6	Euphorbia pulcherrima	1.8	180
7	Mussaenda	02	165
8	Justicia	0.5	89
9	Ixora chinensis, singaporensis	0.6	312
10	Franciscea latifolia--	1.5	112
11	Hamelia patens	0.75	218
12	Clerodendrum inerme	0.6	190
13	Alocasia macrorrhiza	0.6	118
14	Alpinia zerumbet variegate	0.45	90
15	Codiaeum variegatum	0.75	218
16	Dracaena reflexa	0.75	78

17	Duranta plumerei	0.45	235
18	Euphorbia cotinifolia	1	130
19	Ficus panda--	0.8	320
20	Galphimia nitida	0.6	190
21	Jatropha panduraefolia	1.8	210
22	Russellia juncea	0.75	100
23	Schefflera arboricola	0.6	127
24	Tecoma stans	1.8	318
25	Tabernaemontana variegated	01	90
26	Yucca aloifolia	0.75	68
27	Bouganvillea	1.5	150

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300KW
	DG set as Power back-up during construction phase	400KVA
	During Operation phase (Connected load):	22.9 MW
	During Operation phase (Demand load):	10.3MW
	Transformer:	630 kVA X 21 nos
	DG set as Power back-up during operation phase:	625 kVA X 2 Nos. ;500 kVA X 2, 400KVA X 1 & 320 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:

Solar WAter Heater & Lighting will be provided
olar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings	1.10%

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:**	otal Capex for Solar Photovoltaic & Solar Hot water Generation-1Crore
	O & M cost:	--

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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

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:**	Not applicable
	Number and area of podia:	3 Podium, 76374 Sq. M
	Total Parking area:	76374 Sq. M.
	Area per car:	35 Sq. M.
	Area per car:	35 Sq. M.
	Number of 2-Wheelers as approved by competent authority:	Scooters: 2286 ; Cycle: 2286
	Number of 4-Wheelers as approved by competent authority:	Cars: 3590
	Public Transport:	--
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	Townships and Area Development projects 8(b); Category:B
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

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 Development (South Parcel) at S. No. 10/1A/3, 10/1B, 11/1A, 11/2A, 11/3, 11/4, 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2, 13/1B Mamurdi, Pune by Godrej Skyline Developers Pvt. Ltd .

PP submitted their application for expansion of Environmental clearance for total plot area 1,44,812.00 Sq. Mtrs, FSI area of 2,47,552.11 Sq. Mtrs, Non FSI area of 1,81,514.75 Sq.m and Total built up area of 4,29, 066.86 Sq.m. PP proposes to construct 15 residential buildings, 2 villas, 4 Club houses and 1 EWS 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 (b) B1.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit details of socio-economic infrastructure within vicinity.
2) PP to submit phase wise development plan considering wind rose diagram along with mitigation measures to avoid inconvenience to resident.
3) Minimum 1.5 m to 3 m distance from road shall be left in between road and environmental infrastructure i.e. STP, OWC, UGT etc. UGT shall be away from STP at least 12 m.
4) PP to submit NOC form respective authority to train the natural water course passing through the plot.
5) PP to submit details of internal storm water alignment with details of invert level of chambers within property up to final disposal and drawing of existing municipal drain with invert level.
6) PP to submit details of RWH with drawings indicating silt chambers.
7) PP to submit terrace plan for installing solar panels & calculations of energy saving.
8) PP submit debris management plan giving details of top soil. PP to state whether excess debris is to be sent to outside.
9) PP to submit following details regarding Ecology & biodiversity : (a) PP to submit revised RG plan. (b) PP to submit list of transplanted trees. (c) PP to submit list of trees to be retained. (d) PP to revise proposed plantation with addition of local native species. (e) PP to prefer aromatic plant in shrubs plantation. (f) PP to maintain tree plantation record.
10) PP to submit NOCs for water supply, E-waste and CFO.
11) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Project at S no. 107/2(P), 108/1(P), 108/2/2 & 109/1, Ravet, Pune, Maharashtra by M/s. Renuka Constructions

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Project at S no. 107/2(P), 108/1(P), 108/2/2 & 109/1, Ravet, Pune, Maharashtra by M/s. Renuka Constructions
2.Type of institution	Private
3.Name of Project Proponent	Mr. Babu Mehetre
4.Name of Consultant	J. M. EnviroNet Pvt Ltd
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. 107/2(P), 108/1(P), 108/2/2 & 109/1, Ravet, Pune, Maharashtra
9.Taluka	Haveli
10.Village	Ravet
Correspondence Name:	Ms. Sayali Jagtap
Room Number:	F3
Floor:	First floor
Building Name:	Dindayal nagar
Road/Street Name:	Medical college road
Locality:	Katraj
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation(PCMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD Received
	IOD/IOA/Concession/Plan Approval Number: BP/Environment/Ravet/01/2018
	Approved Built-up Area: 48348.49
13.Note on the initiated work (If applicable)	Construction not yet started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA
15.Total Plot Area (sq. m.)	18267 sq. m
16.Deductions	3055.49 Sq. m
17.Net Plot area	15211.51 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 29404.37 sq. m
	b) Non FSI area (sq. m.): 18944.12 sq. m
	c) Total BUA area (sq. m.): 48348.49
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)	3395.74
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.32 %
21.Estimated cost of the project	998000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	P+11 Floors	35.85 m
2	Building B (MHADA)	P+11 Floors	35.85 m
3	Building C	P+11 Floors	35.85 m
4	Building D	P+11 Floors	35.85 m
5	Building E	P+11 Floors	35.85 m
6	Building F	P+11 Floors	35.85 m
7	Commercial Building G	G+04 Floors	21.50 m
8	Club house	G+01 Floors	7.75 m

23.Number of tenants and shops	Residential : 492 Commercial building
24.Number of expected residents / users	Residential: 2460 nos. Commercial : 308 no's
25.Tenant density per hectare	633 /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)	The project has access from 18 m wide DP road from nearest Pradhikaran fire station Distance : 6.5 km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 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):	227.56
	Recycled water - Flushing (CMD):	118.40
	Recycled water - Gardening (CMD):	10.02
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	355.98
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	167.38
Wet season:	Source of water	PCMC
	Fresh water (CMD):	227.56
	Recycled water - Flushing (CMD):	118.40
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	345.96
	Fire fighting - Underground water tank(CMD):	450
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	177.4
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:**	7-10 BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	06 no's
	Size of recharge pits :	2 m x 2m x 2m
	Budgetary allocation (Capital cost) :	Rs. 4,16,916 /-
	Budgetary allocation (O & M cost) :	Rs. 30,000 /-
	Details of UGT tanks if any :	Domestic : 346 KLD Flushing : 178 KLD Fire : 450 KLD
35.Storm water drainage	**Natural water drainage pattern:**	North to south
	Quantity of storm water:	102.39 m3/hr
	Size of SWD:	400 mm
Sewage and Waste water	**Sewage generation in KLD:**	311.36 KLD
	STP technology:	MMBR Technology
	Capacity of STP (CMD):	STP 1(Residential + Commercial) : 280 KLD ; STP 2 (MHADA) : 40 KLD
	Location & area of the STP:	STP 1 area : 150 sq. m STP 2 area : 20 sq. m
	Budgetary allocation (Capital cost):	Rs. 1,11,30,000 /-
	Budgetary allocation (O & M cost):	Rs. 24,13,325 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Will be used for backfilling within site.
Waste generation in the operation Phase:	**Dry waste:**	503.20 kg/day
	Wet waste:	716.30 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	28.04 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	After treatment will be used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Shown in layout
	Area for the storage of waste & other material:	40 sq. ,
	Area for machinery:	35 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 18,00,000 /-
	O & M cost:	Rs. 3,94,457 /-

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 :**	Open space 1 : 370.44 Sq. m ; Open space 2 : 1373.50 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	176 no's
	Timeline for completion of plantation :	Up to 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	Neolamarckia cadamba	Kadamb	15	Large size , shady, ball shaped flowering tree.
2	Cassia fistula	Bahawa	13	Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant.
3	Bahunia purpurea	Kanchan	10	Medium size pink flowering tree.
4	Lagerstromia indica	Taman	15	State flower of maharashtra, medium size tree with beautiful purple flower.
5	Michelia champaca	Sonchafa	12	Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant.
6	Swietenia mahagoni	Mahagany	15	Medium size semi evergreen tree
7	Azadirachta indica	Neem	17	Semi - evergreen tree with medicinal value.
8	Butea monosperma	Palash	16	Semi - evergreen tree with medicinal value.
9	Plumeria Acutifolia	Tempple tree	16	Evergreen medium size white flowering tree, medicinal value.
10	Plumeria Rubra	Franjipani	11	Evergreen medium size white flowering tree, medicinal value.
11	Aegle marmelos	Bel	6	Spiritual and Medicinal value.
12	Emblica Officinalis	Awala	8	Medicinal plant, edible fruits, butterfly host tree.
13	Psidium guayava	Gauva	6	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
14	Achras sapota	Chikko	7	Medium sized fruit bearing tree, medicinal value,bird attracting tree
15	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
16	Mangifera indica	Mango	6	State tree of maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host 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)	22 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1941 KW
	During Operation phase (Demand load):	1173 KVA
	Transformer:	2 nos. x 630 KVA & 315 KVA
	DG set as Power back-up during operation phase:	225 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common are & 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 cfl/t5/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. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
5. 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.
6. 125 Ltrs Solar water is provided for each flat .
7. Solar PV panel system is proposed for Street lighting & Building common lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saved by solar hot water system + Light fitting type & timer savings + Solar PV panels	32 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 97,81,200 /-
	O & M cost:	Rs. 13,30,460 /-

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	Erosion control – dust suppression measures and barricading	Rs. 26,500 /-
2	Land	Site Sanitation	Rs. 44,000 /-
3	Health & safety	Site Safety	Rs. 44,000 /-
4	Health & safety	Disinfection and Health Check-ups	Rs. 1,51,000 /-
5	Environment management	Environmental Monitoring	Rs. 1,20,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	06 no's of pits	Rs. 4,16,916 /-	Rs. 30,000 /-
2	Sewage Treatment Plant	2 STP's	Rs. 1,11,30,000 /-	Rs. 24,13,325 /-
3	Organic Waste Composting	OWC	Rs. 18,00,000 /-	Rs. 3,94,457 /-
4	Tree Plantation	176 no's of trees	Rs. 21,79,925 /-	Rs. 1,29,000 /-
5	Energy saving	DG set+ Solar hot water system + Solar PV	Rs. 97,81,200 /-	Rs. 13,30,460 /-
6	Environmental Monitoring	Environment management	-	Rs. 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:	The project has access from 18.m wide DP road

Parking details:	**Number and area of basement:**	No
	Number and area of podia:	No
	Total Parking area:	13316 sq. m
	Area per car:	30 sq. m
	Area per car:	30 sq. m
	Number of 2-Wheelers as approved by competent authority:	1080 no's
	Number of 4-Wheelers as approved by competent authority:	302 no's
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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 Project at S no. 107/2(P), 108/1(P), 108/2/2 &109/1, Ravet, Pune, by M/s. Renuka Constructions.

PP submitted their application for prior Environmental clearance for total plot area of 18267.00 Sq. Mtrs, BUA of 48348.49 Sq. Mtrs and FSI area of 29404.37 Sq. Mtrs. PP proposes to construct 7 no. 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 details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Environment Clearance for 'Bellrue' project proposed Residential cum Commercial development

Is a Violation Case: No

1.Name of Project	'Bellrue' project proposed Residential cum Commercial development at Yerwada, Pune, by Dr.Farrokh Wadia (Partner Sagitarius Ecospaces LLP)
2.Type of institution	Private
3.Name of Project Proponent	Dr.Farrokh Wadia (Partner Sagitarius Ecospaces LLP)
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Residential cum 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	On plot no. F.P.3, Nagar Road, Yeravada, Pune 411006
9.Taluka	Haveli
10.Village	Yerwada
Correspondence Name:	Dr. Farrokh Wadia
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	8,Nagar Road
Locality:	Yeravada
City:	Pune 411 006.
11.Area of the project	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Zoning layout subdivision approved dated 16/08/2017
	IOD/IOA/Concession/Plan Approval Number: Zoning layout subdivision approved dated 16/08/2017
	Approved Built-up Area: 301138.62
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2,38,932.48 sq m
16.Deductions	42,569.88 sq.m
17.Net Plot area	1,96,362.60 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 3,62,572.00 sq m.
	b) Non FSI area (sq. m.): 1,35,174.18 sq m.
	c) Total BUA area (sq. m.): 596571.63
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3,62,572.00 sq m.
	Approved Non FSI area (sq. m.): 1,35,174.18 sq m.
	Date of Approval: 16-08-2017
19.Total ground coverage (m2)	53,993sq m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.5 %
21.Estimated cost of the project	28000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A (3 bldgs)	1 Basement + Stilt + 2 Parking + 25 floors	92 m.
2	Type B (2 bldgs)	1 Basement + Stilt + 2 Parking + 25 floors	92 m.
3	Type B1 (3 bldgs)	Stilt + 2 Parking + 14 floors	92 m.
4	Type E1 (1 bldg)	3 Basement + stilt + 18 floors	79.45m.
5	Type E2 (1 bldg)	3 Basement + stilt + 18 floors	79.45m.
6	Type E3 (1 bldg)	3 Basement + stilt + 18 floors	79.45m.

23.Number of tenants and shops	1284
24.Number of expected residents / users	Residents : 7832; Commercial: 23176 ; Total: 31008
25.Tenant density per hectare	520
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 mts.wide existing DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mtr Drive way with turning radius of 7.5 mtrs
29.Existing structure (s) if any	Residence of the owner which will be retained.
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Municipal water
	Fresh water (CMD):	1066 KLD
	Recycled water - Flushing (CMD):	1704 KLD
	Recycled water - Gardening (CMD):	640 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2770 KLD
	Fire fighting - Underground water tank(CMD):	2200 KL
	Fire fighting - Overhead water tank(CMD):	180 KL
	Excess treated water	86
Wet season:	**Source of water**	Municipal water
	Fresh water (CMD):	1066 KLD
	Recycled water - Flushing (CMD):	1064 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2130 KLD
	Fire fighting - Underground water tank(CMD):	2200 KL
	Fire fighting - Overhead water tank(CMD):	180 KL
	Excess treated water	726
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.90m. to 3.75..m
	Size and no of RWH tank(s) and Quantity:	5 no. tank with total capacity of 341 cmd
	Location of the RWH tank(s):	At Basement (As per the drawings and various plans)
	Quantity of recharge pits:	80 nos.
	Size of recharge pits :	2 m dia & 3 m deep
	Budgetary allocation (Capital cost) :	93.5
	Budgetary allocation (O & M cost) :	208
	Details of UGT tanks if any :	In Basement-8 for residential part In Basement-2 for commercial part
35.Storm water drainage	**Natural water drainage pattern:**	drain channel with grating on top
	Quantity of storm water:	20839 KL/hr
	Size of SWD:	1.00 m. depth x 1.2 m. wide
Sewage and Waste water	**Sewage generation in KLD:**	2300
	STP technology:	MBBR
	Capacity of STP (CMD):	5 Nos with capacity of 2300 KLD
	Location & area of the STP:	Basement (collection tank UG and equipment above ground)
	Budgetary allocation (Capital cost):	80.51
	Budgetary allocation (O & M cost):	11.5
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris – 1-3 MT/day; Top soil to be preserved : 3,27,485 cum
	Disposal of the construction waste debris:	used for filling the plot and maintaining natural slopes.
Waste generation in the operation Phase:	**Dry waste:**	17,940
	Wet waste:	26,910
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	1.8
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Segregation and sale of recyclables,
	Wet waste:	Biodegradable waste to compost.(OWC)
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	mix with wet waste and convert that into compost
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	60 sq.mt in 5 locations
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.2
	O & M cost:	1.6

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 :**	19636.6 sq.m
	No of trees to be cut :	1209
	Number of trees to be planted :	3650
	List of proposed native trees :	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	Aegle marmelos	Beal Tree	--	Native, Medicinal plant, fruits use to make marmalade/jam etc.
2	Anona squamosa	Custard apple, Sitafal	--	Native, Medicinal plant, fruits use to make marmalade/jam etc.
3	Azadirachta indica	Neem Tree	--	Native, Medicinal plant
4	Cordia dichotoma	Bhokar	--	Native, raw fruits use to make pickle
5	Lagerstroemia speciosa	Queen Crape Myrtle	--	Native, aesthetic value, shade
6	Millingtonia hortensis	Indian Cork	--	Native, aesthetic value, sweet scented flowers
7	Mimusops elengi	Bakuli	--	Native, Medicinal plant, fruits consumed at many places
8	Syzygium cumini	Jambhul	--	Native, Medicinal plant, fruits use to make fresh juice, syrup, jelly etc.
9	Bauhinia purpurea	Butterfly Tree	--	Native, aesthetic value
10	Bauhinia racemosa	Astha	--	Native, aesthetic value
11	Bougainvillea spectabilis	Bougainvillea	--	Aesthetic value
12	Citrus limon	Lemon, Limbu	--	Native, Medicinal plant, fruits use to make fresh juice, pickle etc.
13	Emblica officinalis	Awala	--	Native, Medicinal plant, fruits use to make fresh juice, syrup, pickle etc.
14	Gardenia jasminoides	Anant	--	Native, aesthetic value, sweet scented flowers
15	Murraya paniculata	Kunti	--	Native, aesthetic value
16	Nerium indicum	Pink Oleander	--	Native, aesthetic value
17	Nyctanthus arbor-tristis	Parijatak	--	Native, Medicinal plant, aesthetic value, sweet scented flowers
18	Psidium guajava	Peru	--	Native, fruits use to make fresh juice, syrup, etc.
19	Saraca asoka	True Ashok	--	Native, Medicinal plant, aesthetic value
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	250
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	48486 KW
	During Operation phase (Demand load):	28518.99 KW
	Transformer:	16 x 630 kva (for Residential) & 8 x 3000 kva (for Commercial)
	DG set as Power back-up during operation phase:	4 Nos. (630 KVA, 500 KVA, 400 KVA, 630 KVA) & 8 x 3000 kva
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Energy Saving Measure :
? Use of lamps
? Electronic ballast
? Pumping system with VFD
? Capacitors for common area load
? Solar lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving Measure	14%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35
	O & M cost:	3.5

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Debris/Top soil Management	Not applicable	10.00
2	Toilets for labour + drinking water + first aid arrangement	Not applicable	12.00
3	Safety measures	Not applicable	0.35
4	Monitoring of Environmental Parameters	Not applicable	--
5	Total	Not applicable	22.35

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Not applicable	80.5	11.5
2	Solid Waste Management	Not applicable	11.2	1.6
3	Rain Water Harvesting	Not applicable	93.5	2.8
4	Green Belt	Not applicable	20	5
5	Energy saving features	Not applicable	35	3.5
6	Environmental monitoring	Not applicable	--	8
7	TOTAL	Not applicable	240	32

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	4

Parking details:	**Number and area of basement:**	Commercial : 3 basement + Pit parking – 76,906sqmt., Stilt – 17,105 sqmt ; Residential : Phase 1 – 1 basement – 12,048sqmt, stilt /parking –Stilt+ 2 parking -86778 sqmt
	Number and area of podia:	Not applicable
	Total Parking area:	1,75,826 Sq.m.
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	1496
	Number of 4-Wheelers as approved by competent authority:	5422
	Public Transport:	Not applicable
	Width of all Internal roads (m):	7.50m. to 12 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (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	12-07-2017

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 'Bellrue' project proposed Residential cum Commercial development On plot no. F.P.3, Nagar Road, Yeravada, Pune by Dr.Farrokh Wadia(Partner Sagitarius Ecospaces LLP).

PP submitted their application for prior Environmental clearance for total plot area of 2,38,932.48 Sq. Mtrs, FSI area of 3,62,572.00 Sq. Mtrs, Non FSI area of 1,35,174.18 Sq.m and total BUA of 5,96,571.63 Sq. Mtrs. PP proposes to construct total 11 residential and 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 (b) B1.

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 specific NOC from respective authority to drain nalla crossing through land.
2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Development project "Royal Oak" by M/s. Lifestyle Developments

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Development project "Royal Oak" by M/s. Lifestyle Developments
2.Type of institution	Private
3.Name of Project Proponent	Mr. Yashwant Sawant
4.Name of Consultant	J M EnviroNet Pvt Ltd
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. 136, Wakad, Tal. Mulshi, Pune.
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Ms. Sayali Jagtap
Room Number:	F3
Floor:	First Floor
Building Name:	Dindayal Nagar
Road/Street Name:	Medical college road, Behind Bharati Vidyapeeth
Locality:	Katraj
City:	Pune.
11.Area of the project	Pimpri Chinchwad Municipal Corporation(PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Part sanction received.
	IOD/IOA/Concession/Plan Approval Number: 17.02.2017
	Approved Built-up Area: 5384.40
13.Note on the initiated work (If applicable)	Total constructed area on site : 5384.40 sq. m (FSI + Non FSI)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	8470 sq.m
16.Deductions	1080.46 sq.m
17.Net Plot area	7389.54 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12515.51 sq. m
	b) Non FSI area (sq. m.): 11463.17 sq.m
	c) Total BUA area (sq. m.): 23978.68
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)	2402.85
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.68 %
21.Estimated cost of the project	520300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A1	GP+8 Floors	27.00 m
2	Wing A2	GP+UP+8 Floors	30.00 m
3	Wing A3	GP+UP+8 Floors	30.00 m
4	Wing B1	GP+8 Floors	27.00 m
5	Wing B2	GP+8 Floors	27.00 m
6	MHADA Building + Commercial	GP+7 Floors	24.60 m
7	Club house	G + 1 floor	6.90 m

23.Number of tenants and shops	Residential + MHADA : 235 Commercial
24.Number of expected residents / users	Residential + MHADA: 1175 nos. Commercial : 196 nos
25.Tenant density per hectare	279 /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)	The project has access from 6.3 m road which is attached to Mumbai-Pune highway from nearest Pradhikaran fire station Distance : 6.5 km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 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):	109.67
	Recycled water - Flushing (CMD):	57.77
	Recycled water - Gardening (CMD):	7.77
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	175.21
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	61.71
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	109.67
	Recycled water - Flushing (CMD):	57.77
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	167.45
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	69.48
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:**	7-10 BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	03
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 3,00,000 /-
	Budgetary allocation (O & M cost) :	Rs. 60,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 181 m3 Flushing tank Capacity(cum): 59 m3 Fire UG tank Capacity (cum): 300 m3
35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	157.29 m3/hr
	Size of SWD:	450 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	133.96
	STP technology:	MMBR technology
	Capacity of STP (CMD):	1 no. of STP : 140 KLD
	Location & area of the STP:	Area : 75 Sq. m
	Budgetary allocation (Capital cost):	Rs. 53,20,000 /-
	Budgetary allocation (O & M cost):	Rs. 12,66,575 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg/day
	Disposal of the construction waste debris:	Will be reused within site
Waste generation in the operation Phase:	**Dry waste:**	264.4 kg/day
	Wet waste:	372.1 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	11.97 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	After treatment will be used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Shown on layout
	Area for the storage of waste & other material:	35 sq. m
	Area for machinery:	25 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13,00,000 /-
	O & M cost:	Rs. 2,84,171 /-

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 :**	1295.52 Sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	104 trees
	Timeline for completion of plantation :	Up to 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	Neolamarckia cadamba	Kadamb	11	Large size , shady, ball shaped flowering tree.
2	Cassia fistula	Bahawa	10	Medium size deciduous tree, Draught tolerant, Beautiful yellow flower, butterfly host plant.
3	Bahunia purpurea	Kanchan	6	Medium size pink flowering tree.
4	Lagerstromia indica	Taman	8	State flower of Maharashtra, medium size tree with beautiful purple flower.
5	Michelia champaca	Sonchafa	11	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
6	Spathodea campanulata	Pitchkari	6	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
7	Azadirachta indica	Neem	5	Semi - evergreen tree with medicinal value.
8	Butea monosperma	Palash	6	Semi - evergreen tree with medicinal value.
9	Plumeria Acutifolia	Temple tree	6	Evergreen medium size white flowering tree, medicinal value.
10	Plumeria Rubra	Franjipani	8	Evergreen medium size white flowering tree, medicinal value.
11	Aegle marmelos	Bel	6	Spiritual and Medicinal value.
12	Emblica Officinalis	Awala	4	Medicinal plant, edible fruits, butterfly host tree.
13	Psidium guayava	Guava	4	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
14	Achras sapota	Chikko	4	Medium sized fruit bearing tree, medicinal value, bird attracting tree
15	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
16	Mangifera indica	Mango	3	State tree of Maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host tree.

17	Syzygium cumini	Jambhul	3	Medicinal value, edible fruits, butterfly host 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)	22 KW
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	1203.86 KW
	During Operation phase (Demand load):	803.57 KW
	Transformer:	1 x 630 kVA & 1 x 315 kVA
	DG set as Power back-up during operation phase:	200 kVA & 140 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common are & 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 cfl/t5/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. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
5. 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.
6. 125 Ltrs Solar water is provided for each flat .
7. Solar PV panel system is proposed for Street lighting & Building common 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)	21%

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. 66,05,000 /-
	O & M cost:	Rs. 13,18,800 /-

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	Erosion control – dust suppression measures and barricading	Rs. 26,500/-
2	Land	Site Sanitation	Rs. 44,000 /-
3	Health & safety	Site Safety	Rs. 44,000 /-
4	Health & safety	Disinfection and Health Check-ups	Rs. 1,51,000 /-
5	Environment management	Environmental Monitoring	Rs. 1,20,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	03 no's of pits	Rs. 3,00,000 /-	Rs. 60,000 /-
2	Sewage Treatment Plant	1 STP	Rs. 53,20,000 /-	Rs. 12,66,575 /-
3	Organic Waste Composting	1 OWC	Rs. 13,00,000 /-	Rs. 2,84,171/-
4	Tree Plantation	104 no's of trees	Rs. 38,86,560 /-	Rs. 2,90,400 /-
5	Energy saving	DG set+ Solar hot water system + Solar PV	Rs. 66,05,000 /-	Rs. 13,18,800 /-
6	Environment Monitoring	Environment management		Rs. 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:	The project has access from Mumbai-Pune highway
Parking details:	**Number and area of basement:**	No
	Number and area of podia:	1 podium
	Total Parking area:	9578.6 Sq. m
	Area per car:	30 sq.m
	Area per car:	30 sq.m
	Number of 2-Wheelers as approved by competent authority:	512 no's
	Number of 4-Wheelers as approved by competent authority:	132 no's
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	none within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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 project "Royal Oak"at S. No. 136, Wakad, Tal. Mulshi, Pune. by M/s. Lifestyle Developments.

PP submitted their application for prior Environmental clearance for total plot area of 8470 Sq. Mtrs, BUA of 26111.14 Sq. Mtrs and FSI area of 13000 Sq. Mtrs. PP proposes to construct 6 no. residential & commercial building (wings) + 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 ensure commercial parking should be separate.
2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Expansion in Proposed Residential Project "PITTIE KOURTYARD" by Raja Bahadur International Ltd at S. No 30/1, Kharadi, Dist: Pune.

Is a Violation Case: No

1.Name of Project	Expansion in Proposed Residential Project "PITTIE KOURTYARD" by Raja Bahadur International Ltd at S. No 30/1, Kharadi, Dist: Pune.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shridhar Pittie
4.Name of Consultant	J M EnviroNet Pvt Ltd, Ms. Sayali Jagtap, EIA Cordinator, Ph no. 9960159156
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. EC letter no. SEAC-III/2015/CR-67/TC-3 dated 9th December, 2016
8.Location of the project	S. No 30/1, Kharadi, Dist: Pune.
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Ms. Sayali Jagtap
Room Number:	F3
Floor:	First floor
Building Name:	Dindayal nagar
Road/Street Name:	Medical college road
Locality:	Katraj
City:	Pune
11.Area of the project	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: CC/3194/17 dated 01.03.2018
	Approved Built-up Area: 43163.66
13.Note on the initiated work (If applicable)	Total constructed area on site as per EC : 37079.55 Sq.m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	42900
16.Deductions	29823.82
17.Net Plot area	13076.18
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19765.92 sq. m
	b) Non FSI area (sq. m.): 23397.14 sq. m
	c) Total BUA area (sq. m.): 43163.66
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)	5366.57
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41.04 %
21.Estimated cost of the project	240000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	LP + UP+ 18 floors	64.35 m
2	Building B	LP + UP+ 17 floors	61.05 m
3	Building C	LP + UP+ 18 floors	64.35 m
4	Building D	LP + UP+ 19 floors	64.38 m
5	Gymnasium on podium	-	-

23.Number of tenants and shops	Residential : 164
24.Number of expected residents / users	Residential : 820 nos.
25.Tenant density per hectare	126.15 /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)	Width of Right of Way 18 M from Nearest Fire Station at Agarkar Nagar, Camp, Pune. Distance : 10.3 km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 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**	PMC
	Fresh water (CMD):	75.47
	Recycled water - Flushing (CMD):	40.23
	Recycled water - Gardening (CMD):	25.75
	Swimming pool make up (Cum):	8.5
	Total Water Requirement (CMD) :	149.95
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	39.02
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	75.47
	Recycled water - Flushing (CMD):	40.23
	Recycled water - Gardening (CMD):	25.75
	Swimming pool make up (Cum):	8.5
	Total Water Requirement (CMD) :	124.2
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	25
	Excess treated water	64.77
Details of Swimming pool (If any)	• Dimension of Swimming Pool: 13 m x 10 m x 1.20 m • Total water Requirement in KLD: 147.72 KLD • Water requirement for make up in KLD: 8.5 KLD • Capital Cost: Rs. 13,00,000 /- • O & M cost: - Rs. 50,000 /-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7.5 m BGL
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	6 nos of RWH pits
	Size of recharge pits :	1 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 1,77,000 /-
	Budgetary allocation (O & M cost) :	Rs. 90,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 101 KLD Flushing tank Capacity(cum) : 80 KLD Fire UG tank Capacity (cum) : 200 KLD
35.Storm water drainage	**Natural water drainage pattern:**	East to west
	Quantity of storm water:	13.35 m3per min.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	104.13 KLD
	STP technology:	SBT-Soil Biotechnology
	Capacity of STP (CMD):	100 KLD(Design is compatible to 105 KLD)
	Location & area of the STP:	Area : 140 sq. m
	Budgetary allocation (Capital cost):	Rs. 50,00,000 /-
	Budgetary allocation (O & M cost):	Rs. 3,00,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day
	Disposal of the construction waste debris:	Will be used within site premises.
Waste generation in the operation Phase:	**Dry waste:**	164 kg/day
	Wet waste:	246 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	0.08 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	To SWACH
	Wet waste:	Treatment through OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as a manure after treatment
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Shown on layout
	Area for the storage of waste & other material:	44.5 sq. m
	Area for machinery:	11.5 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13,50,000 /-
	O & M cost:	Rs. 3,30,294 /-

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Total RG area : 6350 sq. m, Landscape on ground : 3500 sq. m , Landscape on podium : 2850 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	140 no's
	Timeline for completion of plantation :	Up to 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	Acrus sapota	Chikku	15	Medium size deciduous tree. Beautiful yellow flower, butterfly host plant
2	Anthocephallus Cadamba	Kadamb	19	Large tree, good for roadside plantation.
3	Azadirachta indica	Neem	17	Shady tree, good for roadside plantation
4	Cassia fistula	Bahawa	16	Shady tree, small white fragrant flowers.
5	Saraka ashoka	Sita Ashoka	19	Shady, large tree, ball shaped flowers
6	Mesua Ferrea	Nagkeshar	15	Shady tree with red- yellow flowers
7	Lagerstromia Flos-Regineae	Tamhan	21	Large tree, good for roadside plantation.
8	Michelia Champaca	Sonchafa	18	Fast growing tree with Beautiful yellow flowers.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Thevetia Nerifolia	2.0 m	-
2	Stachytarphetasp	0.50 m	-
3	Plumbagozeylanica	1.0 m	-
4	Acoruscalamus	0.60 m	-
5	Korphad	0.75 m	-
6	Ocimum sanctum	0.60 m	-
7	Cyimbopogonfloxosus	0.90 m	-
8	Hibiscus	1.20 m	-

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	62.5 KVA
	During Operation phase (Connected load):	1429 KW
	During Operation phase (Demand load):	704 KW
	Transformer:	630 kVA & 315 kVA
	DG set as Power back-up during operation phase:	200 KVA x 3
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

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.
? T5 lamp & Electronic Ballasts are proposed for parking areas.
? LED type of light source is proposed for common Lobby, Lounge, and Staircase area.
? Automatic time based controls are proposed for all outside lighting to save power by avoiding manual switching ON & OFF the lights.
? Motion Sensors are proposed in Car Parking Areas & Lift lobbies.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Saving for lighting	96KWH/day - 30.15 %

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. 1,50,00,000 /-
	O & M cost:	Rs. 13,70,000 /-

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	Erosion control – dust suppression measures and barricading	Rs. 1,06,000 /-
2	Land	Site Sanitation	Rs. 26,500 /-
3	Health & Safety	Site Safety	Rs. 88,000 /-
4	Environment Management	Environmental Monitoring	Rs. 1,20,000 /-
5	Health & Safety	Disinfection and Health Check-ups	Rs. 45,000 /-

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	Rs. 50,00,000 /-	Rs. 3,00,000 /-
2	Rain Water Harvesting	06 no's of pits	Rs. 1,77,000 /-	Rs. 90,000 /-
3	Solid Waste Management	1 OWC	Rs. 13,50,000 /-	Rs. 3,30,294 /-
4	Green Belt Development	140 no's of trees	Rs. 30,00,000 /-	Rs. 18,00,000 /-
5	Energy	DG + Solar system + Substation	Rs. 1,50,00,000 /-	Rs. 13,70,000 /-
6	Environmental Monitoring	Environment Management	-	

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project has direct access from the existing 18 m old Mundhwa road connected to 60 m Pune- Nagar Highway

Parking details:	**Number and area of basement:**	No
	Number and area of podia:	1 no. Of Podium , Area : 3183.02 sq. m
	Total Parking area:	13493.99 sq. m
	Area per car:	36.50 sq. m
	Area per car:	36.50 sq. m
	Number of 2-Wheelers as approved by competent authority:	Scooters : 340 , Cycles : 300
	Number of 4-Wheelers as approved by competent authority:	311 no's
	Public Transport:	PMC transport
	Width of all Internal roads (m):	6.00
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Expansion in Proposed Residential Project "PITTIE KOURTYARD" at S. No 30/1, Kharadi, Dist: Pune.by M/s. Raja Bahadur International Ltd.

PP submitted their application for expansion of Environmental clearance for total plot area of 42900 Sq. Mtrs, BUA of 43163.66 Sq. Mtrs and FSI area of 19765.92 Sq. Mtrs. PP proposes to construct 4 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 submit undertaking for sustainable water supply and drainage.
2) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Amendment in Environmental Clearance for Residential Project

Is a Violation Case: No

1.Name of Project	Raheja Vistas Premiere
2.Type of institution	Private
3.Name of Project Proponent	M/s. Inorbit Malls (India) Pvt. Ltd.
4.Name of Consultant	Green Circle, Inc.
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	S. no.37/3,37/4,27/1,27/2,27/3,27/4,27/5,25/4,26/1+9a,26/2a +2B
9.Taluka	Pune
10.Village	Mohammad Wadi
Correspondence Name:	Mr. Mayur Jadhav
Room Number:	Survey no. 144 & 145
Floor:	CTS no. 2648 & 2649
Building Name:	Comner zone Building number 7
Road/Street Name:	village Yerwada
Locality:	Yerwada
City:	Pune
11.Area of the project	Pune Municipal Corporation [PMC]
12.IOD/IOA/Concession/Plan Approval Number	DPO/CC/3891/10 DATED: 14/02/2011, DPO/CC/1996/11 DATED: 08/09/2011, DPO/CC/2845/12 DATED: 29/12/2012
	IOD/IOA/Concession/Plan Approval Number: DPO/CC/2845/12 DATED: 29/12/2012
	Approved Built-up Area: 282590.49
13.Note on the initiated work (If applicable)	Yes, as per earlier EC Letter Vide no. SEAC- 200/CR.437/TC.2 dtd. 24th January, 2011
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	DPO/CC/3891/10 DATED 14/02/2011, DPO/CC/1996/11 DATED 08/09/2011, DPO/CC/2845/12 DATED 29/12/2012
15.Total Plot Area (sq. m.)	130877.97 sq. m.
16.Deductions	29773.94 sq. m.
17.Net Plot area	101104.03 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 152714.10 sq. m.
	b) Non FSI area (sq. m.): 126760.64 sq. m.
	c) Total BUA area (sq. m.): 279474.74
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)	29384.43
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	35.34
21.Estimated cost of the project	6580000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building Tower No: T1 A	5P+G+4	30
2	Building Tower No: T1 B	5P+G+6	38
3	Building Tower No: T2 A	5P+G+6	38
4	Building Tower No: T2 B	5P+G+4	30
5	Building Tower No: T3	5P+G+4	30
6	Building Tower No: T4	5P+G+4	30
7	Building Tower No: T5	2P+G+18	70
8	Building Tower No: T6	2P+G+18	70
9	Building Tower No: T7	5P+G+27	100
10	Building Tower No: T8	5P+G+27	100
11	Building Tower No: T9	5P+G+27	100
12	Building Tower No: T10	5P+G+27	100
13	Building Tower No: T11 A	5P+G+4	30
14	Building Tower No: T11 B	5P+G+4	30
15	Building Tower No: T12	3P+G+18	70
16	Building Tower No: T13	2P+G+18	70

23.Number of tenants and shops	1354
24.Number of expected residents / users	6770
25.Tenant density per hectare	103/ hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 Mtr./ 24 Mtr.
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	Yes
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 Water supply / Tankers
	Fresh water (CMD):	609.30 m3/day
	Recycled water - Flushing (CMD):	304.65 m3/day
	Recycled water - Gardening (CMD):	180 m3/day
	Swimming pool make up (Cum):	5 m3/day
	Total Water Requirement (CMD) :	1093.95 m3/day
	Fire fighting - Underground water tank(CMD):	600 m3/day
	Fire fighting - Overhead water tank(CMD):	25 m3/day
	Excess treated water	250 m3/day
Wet season:	**Source of water**	PMC Water supply / Tankers
	Fresh water (CMD):	609.30 m3/day
	Recycled water - Flushing (CMD):	304.65 m3/day
	Recycled water - Gardening (CMD):	90 m3/day
	Swimming pool make up (Cum):	3 m3/day
	Total Water Requirement (CMD) :	1003.95 m3/day
	Fire fighting - Underground water tank(CMD):	600 m3/day
	Fire fighting - Overhead water tank(CMD):	25 m3/day
	Excess treated water	340 m3/day
Details of Swimming pool (If any)	main pool - 707 sqm , kids pool 117 sqm , jacuzzi - 25 sqm Dimension - 30 m x 22 m main pool - 831 m3 , kids pool 200 m3 , jacuzzi - 68 m3, 65 m3	

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	610	-	610	125.35	-	125.35	484.65	-	484.65
Domestic	468	-	468	175.65	-	175.65	292.35	-	292.35
Gardening	300	180	300	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	30 to 32 m bgl
	Size and no of RWH tank(s) and Quantity:	tank 2
	Location of the RWH tank(s):	On ground
	Quantity of recharge pits:	58 Nos. of RWH Pits
	Size of recharge pits :	50 cu.m
	Budgetary allocation (Capital cost) :	10 lakhs
	Budgetary allocation (O & M cost) :	1.5 lakhs
	Details of UGT tanks if any :	Residential: • Domestic UG tank Capacity: 1060KLD • Flushing UG tank Capacity: 150 KLD • Fire UG tank Capacity: 600 KLD
35.Storm water drainage	**Natural water drainage pattern:**	Rain water flowing from north towards south
	Quantity of storm water:	30.21 m3/hr
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	777
	STP technology:	The decentralized sewage treatment facility is proposed with tertiary treatment and Ozonation (only for flushing)
	Capacity of STP (CMD):	8 no. of STP Capacity 810 KLD: (180+70+20+80+190+190+40+40)
	Location & area of the STP:	Aeration tank on ground
	Budgetary allocation (Capital cost):	177 lakhs
	Budgetary allocation (O & M cost):	25 lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	81 kg/day
	Disposal of the construction waste debris:	construction debris, waste concrete and broken bricks will be utilized in low -land leveling, secondary concrete, below roads. some quantity of excavation soil will be use for back filling and remaining will be hand over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	5300 kg/day
	Wet waste:	1200 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1.6 MTY
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	The non-biodegradable waste will be handed over to authorized vendor from the ULB.
	Wet waste:	The sludge from the STP and green waste from the landscape development will be collected and treated within the premises.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be dried and used as manure for gardening purpose.
	Others if any:	NA
Area requirement:	**Location(s):**	Not Applicable
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD 3 days @ 27 deg C	ppm	300	<10	10
2	COD	ppm	525	50	100

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	200 KVA	Diesel	1	6	90 mm	110
2	125 KVA	Diesel	10	6	90 mm	110

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Diesel	Diesel	Diesel

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

43.Green Belt Development	**Total RG area :**	36970
	No of trees to be cut :	NA
	Number of trees to be planted :	1281
	List of proposed native trees :	Neem, Kanchan, Bahava, peepal etc..
	Timeline for completion of plantation :	3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	khaya	mohogani	77	Greenish white scented flowers, evergreen & Shade givibg
2	Azadirachta Indica	Neem	92	Evergreen, Medicinal Value, Odour Resistant, Habitat for bireds
3	BAuhinia Blackeana	Kanchan	75	Ornamental and Scented flowers
4	Bauhibnia Purpurea	Rakta Kanchan	31	Ornamental and Scented flowers
5	Bombax ceiba	Kate Savar	90	Dust & Urban pollution tolerant, Ornamental and shades giving
6	Cassia fistula	Bahava	85	Leguminous and Nitrogen fixing, Drought Resistant
7	Cassia Siamea	-	47	Leguminous and Nitrogen fixing, Drought Resistant
8	Ficus Elastica	Rubber	60	Evergreen & Commercial Value
9	Ficus Religiosa	peepal	34	Shade giving, Religious significance
10	Lagerstroemia Speciosa	Taman	135	Ornamental
11	Michelia Champaka	Piwala Chapha	45	Fragrant, Evergreen
12	Millingtonia Hortensis	booch	67	Fragrant, Evergreen, Shade Giving
13	Mimusops Elengi	Bakul	18	Fragrant, Evergreen, Shade Giving
14	Murraya Paniculata	Kamini	39	Scented Flowers, Ornamental
15	Mutingia Calabura	Cherry	60	Edible fruit, Habitat for Birds
16	Plerocarpus Marsupium	Bija	60	Dust & Urban Pollution Tolerant
17	Pterospermum Acerifolium	muchkund	58	Evergreen
18	Saraeca Indica	Ashoka	42	Sacred tree
19	Schlrichera Oleosa	Kusum	44	Ornamental & Good soil Binder
20	Teminalia Arjuna	Arjun	100	Dust & Urban Pollution Tolerant, Noise Resistant
21	Thespesia Populnea	Ranbhendi	22	Evergreen & Shade Giving
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)	400 KW
	DG set as Power back-up during construction phase	1x 200 KW
	During Operation phase (Connected load):	11350 KW
	During Operation phase (Demand load):	16,300 KVA
	Transformer:	615x2
	DG set as Power back-up during operation phase:	125 x 10 No's
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

solar lighting for street lighting.
energy efficient CFL lamps/LED lamps with electronic ballast shall be used for common area lighting.
solar hot water is being proposed for club house and common toilet in each unit @ 50 lts/unit/day.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	The street lighting is designed with sensor based and timer based system and it is envisaged that 30% of the power will be saved by this advancement. 2) The centralized solar water heating system is proposed for hot water supply. The hot water will be available 24x7 with a backup of Heat pump. It is envisaged that the power demand will get reduced by 30%. 3) The onsite renewable power generation is also proposed for common area lighting. The feasibility of hybrid power (solar + wind) will be e	30

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	100 lakhs
	O & M cost:	3.51 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	Waste for dust suppression	Particulate matter	4.0
2	Site Sanitation & Safety	-	2.5
3	Environmental Monitoring Air, water	Air, water, noise	4.5
4	Disinfection	-	3.0
5	Health Check up	All relevant parameters	3.2

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 cost	Sewage Treatment Plant	177	28
2	Air, water, noise, soil	Environment Monitoring	-	4
3	Energy	Energy saving -- Solar Water Heater, CFL-LED lamps, electronic VVF drive for lifts	100	3.50
4	Garden	Landscape Cost	86	14
5	Solid waste	Organic Waste Composter	48	7
6	Groundwater recharge	Rain Water Harvesting	10	1.5
7	swimming pool	-	5	1.5
8	Tanker water	-	-	87.6

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:	3 Nos.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	30760
	Area per car:	2.5mt.x 5 mt
	Area per car:	2.5mt.x 5 mt
	Number of 2-Wheelers as approved by competent authority:	2629
	Number of 4-Wheelers as approved by competent authority:	1936
	Public Transport:	Auto rickshaw stand within 15 m from entrance gate.
	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	B
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Amendment in Environmental Clearance for Residential Project at S. no.37/3,37/4,27/1,27/2,27/3,27/4,27/5,25/4,26/1+9a,26/2a +2B, Mohammad Wadi,Pune by M/s. Raheja Vistas Premiere.

PP submitted their application for amendment in earlier Environmental clearance for total plot area of 130877.97 Sq. Mtrs, BUA of 279474.74 Sq. Mtrs and FSI area of 152714.10 Sq. Mtrs. PP proposes to construct 16 no. residential & 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) B1.

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 water supply NOC.
2) PP to submit phase wise programme considering wind direction at site and mitigation plan to avoid inconvenience to residence.
3) PP to submit disaster management plan in detail with hospital list, lightning arrester, costing etc.
4) PP to submit revised EMP.
5) PP to provide mandatory RG area on virgin land and submit the drawing with calculations.
6) PP to submit details of sewer line connectivity up to final disposal point.
7) PP to submit environmental status report considering monitoring data.
8) PP to submit Disaster Management Plan along with Disaster Management Committee, costing and lightening arrester plan.
9) PP to submit letter that CER is not applicable being an amendment project.
10) PP to submit phase wise tree plantation plan.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Project "Vrindavan Heights" at S.no. 183/3+183/4+183/5A+183/5B+183/7 Mouje Hadapsar, Taluka Haveli, District Pune, by M/s. Kwality World Developers

Is a Violation Case: No

1.Name of Project	Project "Vrindavan Heights" at S.no. 183/3+183/4+183/5A+183/5B+183/7 Mouje Hadapsar, Taluka Haveli, District Pune, by M/s. Kwality World Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sanket Tupe
4.Name of Consultant	VK:e environmental LLP , Pune
5.Type of project	Residential and 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	s.no. 183/3+183/4+183/5A+183/5B+183/7 Mouje Hadapsar, Taluka Haveli, District Pune
9.Taluka	Haveli
10.Village	Hadapsar
Correspondence Name:	Mr. Sanket Tupe
Room Number:	NA
Floor:	NA
Building Name:	A building
Road/Street Name:	Survey No. 183, Sadesatranali Road
Locality:	Hadapsar
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Sanction Received
	IOD/IOA/Concession/Plan Approval Number: Layout Sanctioned -CC/0053/18, B) Building Sanctioned- CC/0021/18
	Approved Built-up Area: 12835
13.Note on the initiated work (If applicable)	Wing A exists on site as per sanction received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13250
16.Deductions	1336.52
17.Net Plot area	10081.15
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16071.14
	b) Non FSI area (sq. m.): 15907.68
	c) Total BUA area (sq. m.): 31978.81
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12835
	Approved Non FSI area (sq. m.): 15907.68
	Date of Approval: 06-04-2018
19.Total ground coverage (m2)	1927.39
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.98%
21.Estimated cost of the project	494100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	P+12	37.95
2	Wing B	Basement + Ground parking + podium parking+ stilt floor + 12 floors	42.30
3	Wing C	Basement + Ground parking + podium parking+ stilt floor + 12 floors	42.30
4	Wing D	G+5 floor	18.60
5	Wing F	Ground floor	4.05

23.Number of tenants and shops	232 flats, 30 service apartments, 17 shops , 6 restaurants , 2 hall
24.Number of expected residents / users	2345 (1160 residential + 1185 commercial)
25.Tenant density per hectare	175
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 Mtr. wide (The nearest fire station –Amanora Fire Station 0.83 km)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	Wing A exists on site as per sanction received
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):	140
	Recycled water - Flushing (CMD):	76
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	223
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	20 for each building
	Excess treated water	90
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	140
	Recycled water - Flushing (CMD):	76
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	163.85
	Fire fighting - Underground water tank(CMD):	216
	Fire fighting - Overhead water tank(CMD):	20 for each building
	Excess treated water	97
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:**	Post monsoon= 4 meter bgl Pre monsoon = 7.0 meter bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 recharge pits
	Size of recharge pits :	2 m x2 m x 2 m depth Dimensions of recharge bore well 175 mm diameter depth 30 meter and depth of perforated or slotted casing 12 meter
	Budgetary allocation (Capital cost) :	Rs. 1,81,500/-
	Budgetary allocation (O & M cost) :	Rs. 25000/-per year
	Details of UGT tanks if any :	For Residential : 461 kld For Commercial: 90 kld
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	435 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	195 kld
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	200 kld
	Location & area of the STP:	On ground, Total Area is 88. 78 sqm
	Budgetary allocation (Capital cost):	Rs. 57,20,000/-
	Budgetary allocation (O & M cost):	Rs. 9,50,000/- year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg /day (Dry + Wet)
	Disposal of the construction waste debris:	The entire construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads .
Waste generation in the operation Phase:	**Dry waste:**	410 kg/day
	Wet waste:	467 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	23 kg /day
	Others if any:	e-waste 3.2 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorize recycler for further handling & disposal purpose
	Wet waste:	Wet waste will be treated on onsite OWC provided.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be Used as manure
	Others if any:	Handed over to authorize recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	48 sqm. (total)
	Area for machinery:	48 sqm. (total)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14,75,000/-
	O & M cost:	3,34,318/-

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	LSD	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Near fuel pump		

42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development	**Total RG area :**	1195 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	150 nos.
	List of proposed native trees :	Refer Below list:
	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	17	Good for restoration of dryer parts, good for air purifier and have medicinal properties
2	Syzygium cumini	Jabhul Tree	5	A large size tree with dense foliage provides shade along roads, wood is water resistant and attract variety of birds.
3	Millingtonia hortensis	Indian Cork Tree	18	A columnar, evergreen tree grows well in both dry and moist regions
4	Ficus benjamina	Weeping fig	5	Medium sized evergreen tree with elegant appearance and moderate water requirement.
5	Pongamia pinnata	Pichkari	9	Large tree good for stopping soil erosion along canal banks
6	Lagerstroemia flos-regineae	Tamhan	14	State flower tree of Maharashtra. Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate.
7	Cassia fistula	Bahava	10	Small deciduous tree. Excellent flowering tree for arid regions.
8	Erythrina indica	Pangara	17	Medium sized deciduous tree. Bright scarlet flowers.
9	Albizia lebbeck	Shirish	8	Shady, large tree, ball shaped flowers.
10	Polyathia longifolia	Ashoka	11	Large evergreen tree, effective in decreasing noise pollution.
11	Plumeria alba	Champa	19	Ornamental flowering tree.
12	Michelia champaca	Sonchapha	17	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)	22 KW
	DG set as Power back-up during construction phase	30 kvA
	During Operation phase (Connected load):	1309.62 KW
	During Operation phase (Demand load):	746 kvA
	Transformer:	1 nos. x 630 kvA + 1 nos. x 315 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:

1. Timers and contactors will be used to switch on / off common are & 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 cfl/t5/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.
5. 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.
6. 125 Ltrs Solar water is provided for each flat
7. Solar PV panel system is proposed for Street lighting & Building common lighting.
8. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed. ar Energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Annual Savings with energy equipment's	25 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Solar Water Heater-39,15,000/- , Solar PV cell- 6,33,300/-
	O & M cost:	Solar Water Heater-3,91,500/- , Solar PV cell - 31,665/-

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	14,00,000/-
2	Land	Labour camp toilets & sanitation	4,40,000/-
3	Health and Safety	Labour Safety Equipments and Training	4,00,000/-
4	Disinfection and Health Check-ups	Disinfection and Health Check-ups	66,000/-
5	Environment Management	Environmental Monitoring Cell	1 ,75,000/-
6	Environmental Monitoring	Environmental Monitoring	1,85,600/-

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	STP	57,20,000/-	9,50,000/-
2	Organic waste management	OWC	14,75,000/-	3,34,318/-
3	Landscaping	Development and Maintenance	3,41,000	27,000/-
4	Rain water harvesting	recharge pits with bore	1,81,500/-	25,000/-
5	Energy	Solar Water Heater	39,15,000/-	3,91,500/-
6	Energy	Solar PV cell	6,33,300/-	31,665/-
7	Environment Monitoring	Environment Monitoring	85000/-	NA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site about a 12 m wide road, which connects to the Road .6 m internal roads for easy access of fire tender movement are provided.

Parking details:	**Number and area of basement:**	1no & 520.91 Sq.m
	Number and area of podia:	1no & 1581.45 Sq.m
	Total Parking area:	4367.90 Sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	523
	Number of 4-Wheelers as approved by competent authority:	248
	Public Transport:	NA
	Width of all Internal roads (m):	6 m wide internal road is provided. 9 m turning radius will be provide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NO
	Other Relevant Informations	Residential and Commercial Project
	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 "Vrindavan Heights" at S.no. 183/3+183/4+183/5A+183/5B+183/7 Mouje Hadapsar, Taluka Haveli, District Pune, by M/s. Kwality World Developers.

PP submitted their application for prior Environmental clearance for total plot area of 13250 Sq. Mtrs, BUA of 31978.81 Sq. Mtrs and FSI area of 16071.14 Sq. Mtrs. PP proposes to construct 5 no. residential & 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 of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Construction of Hotel Building at plot Survey No-289/2, CTS No-5729(pt), Village Pathardi Shiwar, District Nashik, By Rahul and Pranav Hospitalities LLP

Is a Violation Case: No

1.Name of Project	Construction of "Rahul and Pranav Hospitalities LLP Hotel" building project at plot Survey No-289/2, CTS No-5729(pt), Village Pathardi Shiwar, and District Nashik.
2.Type of institution	Private
3.Name of Project Proponent	RAHUL & PRANAV HOSPITALITIES LLP
4.Name of Consultant	Enviro Analysts and Engineers Pvt Ltd
5.Type of project	Construction of Hotel Building
6.New project/expansion in existing project/modernization/diversification in existing project	NEW PROJECT
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	PLOT SURVEY NO. 289/2, CTS NO - 5729,Village Pathardi Shiwar, Tehsil Nashik,District Nashik Maharashtra.
9.Taluka	NASHIK
10.Village	Pathardi Shiwar
Correspondence Name:	RAHUL & PRANAV HOSPITALITIES LLP
Room Number:	131/B
Floor:	Suite 217
Building Name:	THE MIRADOR
Road/Street Name:	New Link Road
Locality:	Chakala, Andheri East
City:	Mumbai
11.Area of the project	NASHIK MUNICIPAL CORPORATION
12.IOD/IOA/Concession/Plan Approval Number	COMMENCEMENT CERTIFICATE RECEIVED.
	IOD/IOA/Concession/Plan Approval Number: LND/BP/B5/268/5306 dated 31/12/2016
	Approved Built-up Area: 7906.8
13.Note on the initiated work (If applicable)	2 Basements and ground floor completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOT APPLICABLE
15.Total Plot Area (sq. m.)	9510.0
16.Deductions	1558.50
17.Net Plot area	7951.50
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21628.01
	b) Non FSI area (sq. m.): 17769.11
	c) Total BUA area (sq. m.): 39397.12
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 7906.8
	Approved Non FSI area (sq. m.): -
	Date of Approval: 31-12-2017
19.Total ground coverage (m2)	4026.28
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42.33
21.Estimated cost of the project	910000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	HOTEL BUILDING	2 Basements + GROUND +Service Floor+ 9 UPPER FLOORS	43.37

23.Number of tenants and shops	222 Rooms
24.Number of expected residents / users	300
25.Tenant density per hectare	347
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.00 M WIDE D.P. ROAD
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 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**	NASHIK MUNICIPAL CORPORATION
	Fresh water (CMD):	144
	Recycled water - Flushing (CMD):	25
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	15
	Total Water Requirement (CMD) :	191
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	16
Wet season:	**Source of water**	NASHIK MUNICIPAL CORPORATION
	Fresh water (CMD):	144
	Recycled water - Flushing (CMD):	25
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	15
	Total Water Requirement (CMD) :	298
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	23
Details of Swimming pool (If any)	Makeup Water Requirement for swimming Pool = 15 m3 Pool Volume = 275 m3	

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:**	1M - 4M
	Size and no of RWH tank(s) and Quantity:	RWH Tank :1, Capacity : 65 CUM
	Location of the RWH tank(s):	1st Basement
	Quantity of recharge pits:	1 NO.
	Size of recharge pits :	Dimensions: 3.14m X 2.69m X 1.1m
	Budgetary allocation (Capital cost) :	20 Lakh
	Budgetary allocation (O & M cost) :	2 Lakh
	Details of UGT tanks if any :	2ND BASEMENT
35.Storm water drainage	**Natural water drainage pattern:**	west to east
	Quantity of storm water:	0.03 m3/sec
	Size of SWD:	1m x 1.8m
Sewage and Waste water	**Sewage generation in KLD:**	157
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1 No. Capacity: 160 KLD
	Location & area of the STP:	Ground Floor
	Budgetary allocation (Capital cost):	50 LACS
	Budgetary allocation (O & M cost):	5 LACS
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	-
	Disposal of the construction waste debris:	-
Waste generation in the operation Phase:	**Dry waste:**	1132 Kg/ Day
	Wet waste:	766 Kg/Day
	Hazardous waste:	NOT APPLICABLE
	Biomedical waste (If applicable):	NOT APPLICABLE
	STP Sludge (Dry sludge):	3KG/DAY
	Others if any:	NOT APPLICABLE

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to local recyclers.
	Wet waste:	Processed in OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure.
	Others if any:	NOT APPLICABLE
Area requirement:	**Location(s):**	Ground Floor
	Area for the storage of waste & other material:	35.84 Sq m
	Area for machinery:	Including area of Machinery
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 LACS
	O & M cost:	2 LACS

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	7 KLD
Capacity of the ETP:	8 KLD
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 :**	951 Sq m
	No of trees to be cut :	NA
	Number of trees to be planted :	120
	List of proposed native trees :	As below
	Timeline for completion of plantation :	As soon as construction work completed.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Arthocarpus heterophyllus	Jackfruit	11	-
2	Bauhinia variegata	Orchid Tree	9	-
3	Drypetes roxburghii	Jiyapotha	9	-
4	Ficus elastica	Rubber Tree	8	-
5	Mangifera indica	Mango	7	-
6	Mimusops elengi	Cherry	32	-
7	Ochna obtusata	Ramdhan Champa	9	-
8	Cocas nucifera	Coconut Palm	32	-
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	0	0

47.Energy

Power requirement:	**Source of power supply :**	MAHARASHTRA STATE ELECTRICITY BOARD
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	1 no x 200 KVA
	During Operation phase (Connected load):	3081 kW
	During Operation phase (Demand load):	1493 kW
	Transformer:	NA
	DG set as Power back-up during operation phase:	2 X 750 kVA and 1 X 500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving of project	5.44 %

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:**	18 LACS
	O & M cost:	1.80 LACS

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for dust suppression	2.0
2	EHS	Site Sanitation	2.0
3	Environmental Monitoring	Environmental Monitoring	15.0
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Sewage Treatment Plant	20	2
2	Water Environment	Rain Water harvesting	20	2
3	Energy	Solar System	50	5
4	Solid waste Manangement	Organic waste Converter	18	1.8
5	Land Environment	Landscaping	3	0.3

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:	NA
Parking details:	**Number and area of basement:**	2 NOS
	Number and area of podia:	NA
	Total Parking area:	9965.55 Sq m
	Area per car:	37.25
	Area per car:	37.25
	Number of 2-Wheelers as approved by competent authority:	540 Nos
	Number of 4-Wheelers as approved by competent authority:	Big Car :101 Nos, Small Car:149 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	9.75 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	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 Construction of Hotel Building at plot Survey No-289/2, CTS No-5729(pt), Village Pathardi Shiwar, District Nashik, By M/s. Rahul and Pranav Hospitalities LLP.

PP submitted their application for prior Environmental clearance for total plot area of 9510.0 Sq. Mtrs, BUA of 39397.12 Sq. Mtrs and FSI area of 21628.01 Sq. Mtrs. PP proposes to construct 1 no. hotel 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

Committee noted that the PP has complied with the points raised in 71th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Environmental Clearance of Proposed Residential Development

Is a Violation Case: No

1.Name of Project	Proposed Environmental Clearance of Proposed Residential Development
2.Type of institution	Private
3.Name of Project Proponent	Godrej Skyline Developers Pvt. Ltd.
4.Name of Consultant	Building Environment India Pvt.Ltd.
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	Plot bearing S.No 10/1A/3, 10/1B, 11/1A, 11/2A (P), 11/3, 11/4 (P), 11/4/2, 11/1B, 12/1, 12/2/1, 12/2/2, 12/2/3, 13/2 & 13/1/B (P)
9.Taluka	Haveli
10.Village	Mamurdi
Correspondence Name:	Godrej Skyline Developers Pvt. Ltd. Godrej Eternia, 10th Floor, C wing, Wakdewadi, Shivaji Nagar, Pune: - 411003.
Room Number:	--
Floor:	10th Floor, C wing
Building Name:	Godrej Eternia,
Road/Street Name:	Wakdewadi,
Locality:	Shivaji Nagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: IOD Applied
	Approved Built-up Area: 182500.00
13.Note on the initiated work (If applicable)	Construction Not Yet statrted
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	Total Plot area: 81,969.08 sq.mt
16.Deductions	Deduction: 16,066.40 sq.mt.
17.Net Plot area	Net plot area: 65,902.68 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,12,500 .00 sq.mt
	b) Non FSI area (sq. m.): 70,000 .00 sq.mt
	c) Total BUA area (sq. m.): 182500.00
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)	26300.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.90
21.Estimated cost of the project	5810000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P1+P2+P3+19	70
2	B	P1+P2+P3+19	70
3	C	P1+P2+P3+19	70
4	D	P1+P2+P3+19	70
5	E	P1+P2+P3+19	70
6	F	P1+P2+P3+19	70
7	155 Row Houses	G+2	12
8	EWS Building	P1+P2+P3+19	70
9	EWS Building	P1+P2+P3+19	70

23.Number of tenants and shops	Shops: 40 Nos; Flats: 1640 Nos.
24.Number of expected residents / users	Fixed - 8200 , Floating-200
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	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	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 / Tanker / STP Treated Water
	Fresh water (CMD):	690.00
	Recycled water - Flushing (CMD):	348.00
	Recycled water - Gardening (CMD):	45.00
	Swimming pool make up (Cum):	9.00
	Total Water Requirement (CMD) :	1092.00 KLD
	Fire fighting - Underground water tank(CMD):	UG FIRE TANK-1 = 200 Cu.M UG FIRE TANK-2 = 200 Cu.M UG FIRE TANK-3 = 200 Cu.M UG FIRE TANK-4 = 200 Cu.M UG FIRE TANK-5 = 200 Cu.M UG FIRE TANK-6 = 200 Cu.M UG FIRE TANK-7 = 200 Cu.M UG FIRE TANK-8 = 200 Cu.M
	Fire fighting - Overhead water tank(CMD):	OH FIRE TANK-1 = 10 Cu.M OH FIRE TANK-2 = 10 Cu.M OH FIRE TANK-3 = 10 Cu.M OH FIRE TANK-4 = 10 Cu.M OH FIRE TANK-5 = 10 Cu.M OH FIRE TANK-6 = 10 Cu.M OH FIRE TANK-7 = 10 Cu.M
	Excess treated water	448.00
Wet season:	**Source of water**	PCMC / RWH / Tanker / STP Treated Water
	Fresh water (CMD):	690.00
	Recycled water - Flushing (CMD):	348.00
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	9.00
	Total Water Requirement (CMD) :	1047.00 KLD
	Fire fighting - Underground water tank(CMD):	UG FIRE TANK-1 = 200 Cu.M UG FIRE TANK-2 = 200 Cu.M UG FIRE TANK-3 = 200 Cu.M UG FIRE TANK-4 = 200 Cu.M UG FIRE TANK-5 = 200 Cu.M UG FIRE TANK-6 = 200 Cu.M UG FIRE TANK-7 = 200 Cu.M UG FIRE TANK-8 = 200 Cu.M
	Fire fighting - Overhead water tank(CMD):	OH FIRE TANK-1 = 10 Cu.M OH FIRE TANK-2 = 10 Cu.M OH FIRE TANK-3 = 10 Cu.M OH FIRE TANK-4 = 10 Cu.M OH FIRE TANK-5 = 10 Cu.M OH FIRE TANK-6 = 10 Cu.M OH FIRE TANK-7 = 10 Cu.M
	Excess treated water	493.00
Details of Swimming pool (If any)	Pool No. 1: 20.00 m X 9.00 m X 1.25 m Pool No. 2: 20.00 m X 9.00 m X 1.25 m	

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:**	--
	Size and no of RWH tank(s) and Quantity:	9 nOS. OF rwh tANKS WILL BE PROVIDED; UG RWH TANK -1 = 54 Cu.M UG RWH TANK -2 = 54 Cu.M UG RWH TANK -3 = 36 Cu.M UG RWH TANK -4 = 36 Cu.M UG RWH TANK -5 = 36 Cu.M UG RWH TANK -6 = 24 Cu.M UG RWH TANK - 7 = 219 Cu.M UG RWH TANK - 8 = 163 Cu.M UG RWH TANK - 9 = 30 Cu.M
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	10 Nos.
	Size of recharge pits :	4.5M DIA AND 4.5M EFFECTIVE DEPTH
	Budgetary allocation (Capital cost) :	--
	Budgetary allocation (O & M cost) :	--
	Details of UGT tanks if any :	Under Ground Sump-1:- Domestic 479KLD,Flushing 241KLD,Gardening 31KLD Under Ground Sump-2:-Domestic-96KLD,Flushing -49KLD,Gardening-14KLD Under Ground Sump-3 :- Domestic-115KLD,Flushing -58KLD TANK WILL BE DESIGNED FOR 1.5 DAYS WATER DEMAND
35.Storm water drainage	**Natural water drainage pattern:**	Slope towards west
	Quantity of storm water:	595 L/s
	Size of SWD:	1m(W) X 0.8 (D) 300mm freeboard allocated for SWD
Sewage and Waste water	**Sewage generation in KLD:**	924
	STP technology:	MBBR
	Capacity of STP (CMD):	3 Nos. of STP ; STP 1: 640.00 KLD, STP 2:130.00 KLD, STP 3: 154.00 KLD
	Location & area of the STP:	Underground STP-1 -640KLD (32.3MX19.4M) STP-2-130KLD(14.4MX9M) STP-3-154KLD(16MX10M)
	Budgetary allocation (Capital cost):	STP-1 -640KLD -1.8Cr STP-2-130KLD-48 Lakhs STP-3-154KLD-53 Lakhs
	Budgetary allocation (O & M cost):	10% of Capital Cost
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	0.83 T/Day
	Disposal of the construction waste debris:	From waste generation from proposed development 30% will be recycled on site & remaining will be handed over to Authorised Recycles as per C&D waste Management Rule,2016
Waste generation in the operation Phase:	**Dry waste:**	2314.00 Kg/Day
	Wet waste:	1543.00 Kg/Day
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	139.00 Kg/ Day
	Others if any:	not applicable

Mode of Disposal of waste:	**Dry waste:**	will be handed over to Authorised Recycles as per Solid waste Management Rule,2016
	Wet waste:	Will be treated in OWC
	Hazardous waste:	will be handed over as per Hazardous Waste Management & Handling Rule,2016
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	will be used as manure in onsite landscaping
	Others if any:	--
Area requirement:	**Location(s):**	Layout showing location is attached
	Area for the storage of waste & other material:	9 Nos. of OWC machine will be provided
	Area for machinery:	75 sq.mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	--
	O & M cost:	--

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 :**	21000 m2
	No of trees to be cut :	--
	Number of trees to be planted :	--
	List of proposed native trees :	261 Nos.
	Timeline for completion of plantation :	throughout construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
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)	--
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	12.02 MW
	During Operation phase (Demand load):	5.48 MW
	Transformer:	630 kVA X 12 nos
	DG set as Power back-up during operation phase:	625 kVA X 2 Nos.; 750 kVA X 1 No.;500 kVA X 1
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

Solar WAter Heater & Lighting will be provided
olar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Photovoltaic (90kWp) onsite power generation-143664kWh savings,Solar Hot Water-3,40,000kWh savings	1.10%

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:**	otal Capex for Solar Photovoltaic & Solar Hot water Generation-1Crore
	O & M cost:	--

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	--	--	--	--

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:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	--
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Scooters: 2286 ; Cycle: 2286
	Number of 4-Wheelers as approved by competent authority:	Cars: 1143
	Public Transport:	--
	Width of all Internal roads (m):	--
	CRZ/ RRZ clearance obtain, if any:	--
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	Townships and Area Development projects 8(b); Category:B
	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 Proposed Environmental Clearance of Proposed Residential Development at Plot bearing S.No 10/1A/3, 10/1B, 11/1A, 11/2A (P), 11/3, 11/4 (P), 11/4/2, 11/1B, 12/1, 12/2/1,12/2/2, 12/2/3, 13/2 & 13/1/B (P), Mamurdi Tal- Haveli,Pune.by M/s.Godrej Skyline Developers Pvt. Ltd.

PP submitted their application for prior Environmental clearance for total plot area of 81969.08 Sq. Mtrs, BUA of 182500 Sq. Mtrs and FSI area of 112500 Sq. Mtrs. PP proposes to construct 6 no. residential + 155 row houses & 2 EWS 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) B1.

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 undertake that the amount for CER will be transferred to PCMC along with plan and the same will be spent by PCMC.
2) PP to submit tanker agreement.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune by M/s. LMS Realty

Is a Violation Case: No

1.Name of Project	Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune by M/s. LMS Realty
2.Type of institution	Private
3.Name of Project Proponent	M/s. LMS Realty
4.Name of Consultant	MITCON Consultancy and Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivaji Nagar, Pune. 411 005
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	NA
8.Location of the project	S. No. 208/1A, Lohegaon, Viman nagar, Tal. Haveli, Dist. Pune
9.Taluka	Haveli
10.Village	Lohegaon
Correspondence Name:	Mr Abhinandan N. Sakla
Room Number:	Survey No. 232/1+2, plot no 116, flat no. 1,
Floor:	Ground floor
Building Name:	Yash Residency
Road/Street Name:	Sakhore nagar road
Locality:	Sakhore nagar, Viman nagar
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction plan received from Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 24749.86
13.Note on the initiated work (If applicable)	Total construction done till date 14,957 as per CC/0959/11 dated 15/06/2011, CC no. CC/2954/16 DATE 21/12/2016 and CC No. CC/3793/2016 Date 31/03/2017
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	8100.0 Sq.m.
16.Deductions	3091.83 sqm
17.Net Plot area	5008.17. sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12463.63 Sq.m.
	b) Non FSI area (sq. m.): 12985.86 Sq.m.
	c) Total BUA area (sq. m.): 25449.49
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)	1408.64 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28 (%)
21.Estimated cost of the project	450000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A BLDG	B1+B2+P1+P2+P3+10 FLOORS	41.20 M
2	B BLDG	B+G+P+12 FLOORS	41.95 M
3	D1 BLDG	P+6 FLOORS	19.95 M

23.Number of tenants and shops	Tenements – 72 nos., 138 offices
24.Number of expected residents / users	1421 nos. users
25.Tenant density per hectare	89 Tenements/ hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter
29.Existing structure (s) if any	Construction done till date is 2909.45 SQM which is D1 building and parking slab for A building, as per CC no. CC/0959/11 dated 15/06/2011 and CC no. CC/2954/16 DATE 21/12/2016.
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):	71.2
	Recycled water - Flushing (CMD):	43.41
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	126.61
	Fire fighting - Underground water tank(CMD):	139.0
	Fire fighting - Overhead water tank(CMD):	40.0
	Excess treated water	52.59
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	71.2
	Recycled water - Flushing (CMD):	43.41
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	114.61
	Fire fighting - Underground water tank(CMD):	139.0
	Fire fighting - Overhead water tank(CMD):	40.0
	Excess treated water	64.59
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	10.8	60.48	71.2	1.08	6.05	7.13	9.72	54.43	64.15
Domestic	5.4	38.01	43.41	0	0	0	5.4	38.01	43.41
Gardening	0	12	12	0	12	12	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon water level 13.20 BGL, Post Monsoon 8.20 BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	2m × 2m × 2m
	Budgetary allocation (Capital cost) :	10.0 Lac
	Budgetary allocation (O & M cost) :	2.36 Lac/annum
	Details of UGT tanks if any :	Residential Water tank: 40000 lit Residential domestic & fire tank: 64000 lit Raw water tank : 10000 lit Commercial Water tank: 40000 lit fire tank: 75000 lit Drinking water tank : 20000 lit
35.Storm water drainage	**Natural water drainage pattern:**	Overflow/surplus water from the recharge pit will be discharged into storm water drainage
	Quantity of storm water:	5.29 m3/hr
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	108 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1: 50m3/day, STP 2: 70 m3/day
	Location & area of the STP:	STP1 (73Sqm) near Building A and STP2 (101Sqm) near Building B
	Budgetary allocation (Capital cost):	47.0 Lac
	Budgetary allocation (O & M cost):	13.70 Lac/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total quantity of excavation- 12650 cum; Quantity of backfill from excavated earth- 3200 cum; Quantity of earthwork used in site leveling/reclamation- 2400 cum;
	Disposal of the construction waste debris:	Excavated soil & murum will be used for landscaping, roads & backfilling
Waste generation in the operation Phase:	**Dry waste:**	232 kg/day
	Wet waste:	219 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14.75 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 Organic Waste Convertor. Generated manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose
	Others if any:	NA
Area requirement:	**Location(s):**	Near Building B
	Area for the storage of waste & other material:	55 Sq.m
	Area for machinery:	25 Sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.0 Lac
	O & M cost:	2.36 Lac/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 nos. x 380 KVA	HSD, 76 liter/hr	1	7	0.1524	475 °C
2	1 nos. x 750 KVA	HSD, 150 liter/hr	1	10	0.2032	520 °C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	226	226
41.Source of Fuel		Authorized Vendors		
42.Mode of Transportation of fuel to site		Road		

43.Green Belt Development	**Total RG area :**	693.23 sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	33 no plantation done + 68 nos. proposed = total 101 nos.
	List of proposed native trees :	As below.
	Timeline for completion of plantation :	Before 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	Azadirecta indica	Neem	9	Large tree, good for roadside plantation
2	Erythrina indica	Pangara	12	Medium sized deciduous tree. Bright scarlet flowers.
3	Millingtonia hortensis	Indian cork tree	13	A columnar, evergreen tree, grows well in both moist & dry region
4	Populus	Khaya	10	Vertical roadside tree
5	Ailanthus excelsa	Maharukh	13	Large tree, good for roadside plantation
6	Largerstromia flos-regineae	Tamhan	11	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
7	Existing plantation done	-	33	-
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)	50 kVA
	DG set as Power back-up during construction phase	1 nos. 63 kVA
	During Operation phase (Connected load):	1632.5 KVA
	During Operation phase (Demand load):	1247 KVA
	Transformer:	2nos X 630KVA
	DG set as Power back-up during operation phase:	1 nos. x 380 KVA+ 1 nos. x 750 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV pannels 1% of the connected load 16 KW

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area lighting using LED electronic drive and additional 10 % using timers	21900.00 kWH
2	Garden Energy saving measures using LED street lights	10950.00 kWH
3	Lift load Energy Saving measures using V3F Drive	3670.99 kWH
4	Pump Load Energy Saving Measure uising level controllers and efiicient pumps	4894.65 kWH
5	Energy Consumed / Annum in the absence of energy saving method (in Kwh)	163401.38 kWH
6	Total Energy Consumption / Annum (in Kwh) with energy saving method	121985.74 kWH
7	Total savings in power because of power saving methods	41415.64 kWH
8	Percentage of saving	25.35 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	NA	Sewage Treatment Plant
Solid waste	NA	Organic Waste Converter

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12 Lac
	O & M cost:	0.25 Lac/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 pollution	Water for Dust Suppression	1.00
2	Sanitation & Safety	Site Sanitation & Safety	2.50
3	Environmental Monitoring	Air, water, soil, noise	1.25
4	Disinfection	Disinfection	1.25
5	Health	Health Check up	0.50
6	Total	-	6.50

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	Rain Water Harvesting	2.66	0.08
2	Sewage	Sewage Treatment Plant	47.00	13.70
3	Organic Waste	Organic Waste Composting	10.0	2.36
4	Plantation	Tree Plantation	10.0	2.0
5	Energy	Solar PV	12.0	0.25
6	Environment Monitoring	Air, water, soil, noise	-	1.25
7	Total	-	81.66	19.64

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	A building - 2 basements, A building- 1 basement
	Number and area of podia:	NA
	Total Parking area:	3984.40 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	441 nos
	Number of 4-Wheelers as approved by competent authority:	238 nos
	Public Transport:	Available
	Width of all Internal roads (m):	Minimum 6 meter
	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) Building and Construction projects
	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 Construction Project "FINSWELL" at S. No. 208/1A, Lohegaon, Viman nagar, Tal.Haveli, Dist. Pune by M/s. LMS Realty.

PP submitted their application for prior Environmental clearance for total plot area of 8100.00 Sq. Mtrs, BUA of 25449.49 Sq. Mtrs and FSI area of 12463.63 Sq. Mtrs. PP proposes to construct 3 no. residential & 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 has agreed to shift the location of UGT or raise the tank above ground level by 1.5 feet.

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Expansion in Environment Clearance for Project Sobha Elanza by Sobha Ltd.

Is a Violation Case: No

1.Name of Project	Sobha Elanza
2.Type of institution	Private
3.Name of Project Proponent	Sobha Limited through Mr. Atul Agharkar
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
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	Yes, we have received Environmental Clearance for project from Govt. of Maharashtra file no. SEAC III-2015/CR.107/TC.3 dated 03.12.2016 for built up area 53,368 m2.
8.Location of the project	Survey No. 77/1, Plot no.1
9.Taluka	Haveli
10.Village	Kothrud
Correspondence Name:	Sobha Limited
Room Number:	NA
Floor:	5th Floor
Building Name:	Parakh House
Road/Street Name:	No. 1 Boat Club Road
Locality:	Bund Garden
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate received
	IOD/IOA/Concession/Plan Approval Number: CC/0334/18 dated 08.05.2018
	Approved Built-up Area: 34394
13.Note on the initiated work (If applicable)	We have received EC for the Construction area 53,368 m2. Primove Nala constructions is partially completed at site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27,499 m2
16.Deductions	15,353 m2
17.Net Plot area	12,146 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 34,394 m2
	b) Non FSI area (sq. m.): 36,324 m2
	c) Total BUA area (sq. m.): 70718
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 36,439 m2
	Approved Non FSI area (sq. m.): 34,722 m2
	Date of Approval: 08-05-2018
19.Total ground coverage (m2)	4,982 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41%
21.Estimated cost of the project	2568300000

22.Number of buildings & its configuration

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

1	Block 1	P1+P2+P3+P4 (Gr. Fl.) +P5+20 Floors	69.95
2	Block 2	P1+P2+P3+P4 (Gr. Fl.) + P5+20 Floors	69.95
3	Block 3	P1+P2+P3+P4 (Gr. Fl.) +P5+19 Floors	66.80
4	Club House	P1+P2+P3+P4(Gr. Fl.) +P5+01 Floor	10.50

23.Number of tenants and shops	272 nos. of tenents
24.Number of expected residents / users	Total population = 1,632 nos. (Permanent population- 1360 nos. & Floating population- 272 nos.)
25.Tenant density per hectare	307/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)	Nearest fire station- Kothrud & width road from nearest fire station to the proposed building – 36 m wide road abutting the site
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	Yes, 7 nos. temporary structures including security cabin
30.Details of the demolition with disposal (If applicable)	Cabins material will send to authorized vendor and old structure material will be used for filling within project site.

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):	131 m3/day
	Recycled water - Flushing (CMD):	68 m3/day
	Recycled water - Gardening (CMD):	21 m3/day
	Swimming pool make up (Cum):	5 m3/day
	Total Water Requirement (CMD) :	199 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	81 m3/day
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	131 m3/day
	Recycled water - Flushing (CMD):	68 m3/day
	Recycled water - Gardening (CMD):	11 m3/day
	Swimming pool make up (Cum):	5 m3/day
	Total Water Requirement (CMD) :	199 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	60 m3
	Excess treated water	92 m3/day
Details of Swimming pool (If any)	Swimming pool Dimension: 254 m2 x 1.20 m & 48 m2 x 0.60 m Total water Requirement - 333 m3 Water requirement for make up - 5 m3/day • Filtration Capacity:72.80 cum /hr. (Appox. 5 hr turn over time) • Filtration Equipment: i. 1200 mm dia Bobbin Wound Filter with 2" Multiport valve ii. Splash Monoblock pump 2 HP (Self priming pump) for Filtration • Disinfection by Chlorination & pH Control.	

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:**	Variable between 4 m to 8m below ground level
	Size and no of RWH tank(s) and Quantity:	1 no. with Size : 41 m2 X 4 m. + (0.50 m. FB) and 154 m3 of quantity
	Location of the RWH tank(s):	At North-East Corner below P1 level.
	Quantity of recharge pits:	14 nos.
	Size of recharge pits :	1.5 m dia. x 3.50 m depth
	Budgetary allocation (Capital cost) :	Rs. 23 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Domestic: 199 m3 (Domestic 154 m3 +Drinking 45 m3) Flushing: 60 m3 Fire: 300 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per contour slope of the plot
	Quantity of storm water:	8 m3/min
	Size of SWD:	400 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	179 m3/day
	STP technology:	Extended Aeration with Ultra filtration
	Capacity of STP (CMD):	1 no. of STP having capacity 220 m3/day
	Location & area of the STP:	Partly open to sky and Partly below P1 Level at east side. Area of STP - 297 m2
	Budgetary allocation (Capital cost):	Rs. 59 Lakh
	Budgetary allocation (O & M cost):	Rs. 18 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	32,055 m3
	Disposal of the construction waste debris:	Will be used for back filling & leveling of the plot.
Waste generation in the operation Phase:	**Dry waste:**	272 kg/day
	Wet waste:	408 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2 kg/day- Dry sludge
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Organic Waste Converter having capacity 450 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose
	Others if any:	NA
Area requirement:	**Location(s):**	At south east corner of project site
	Area for the storage of waste & other material:	66 m2
	Area for machinery:	5 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14 Lakh
	O & M cost:	Rs. 7 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 :**	1,326 m2
	No of trees to be cut :	33 nos. from total plot area as per tree cutting NOC
	Number of trees to be planted :	240 nos. in net plot area (Existing trees are - 451 nos. & trees to be transplanted are - 47 nos. in total plot area)
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia nilotica	Babhul	15	Shady, large deciduous tree, yellow powderpuff flowers.
2	Khaya grandis	Mohagani	15	Large tree, good for roadside plantation
3	Mesua ferrea	Nag Keshar	15	Medium sized tree, with pink to red highlight leaves
4	Pongamia pinnata	Karanj	15	Shady tree
5	Saraca Indica	Sita Ashok	15	Shady tree with red yellow flowers.
6	Cassia fistula	Bahava	10	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant.
7	Mimiusops elengi	Bakul	10	Shady tree, small white fragrant flowers
8	Nyctanthus arbor-tritis	Parijatak	10	Small Deciduous fast growing tree bears fragrant flowers
9	Lagerstroemia flos-regineae	Taamhan	10	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers
10	Murraya paniculata	Kunti	15	Small tree, Fragrant white flowers, butterfly host tree
11	Gmelina arborea	Shivan	15	Fast growing tree with beautiful yellow flowers.
12	Bauhinia racemosa	Apta	15	Small tree, fragrant whiteflowers, butterfly host tree
13	Azadirachta indica	Neem	20	Semi- evergreen tree with medicinal properties
14	Erythrina variegata	Pangara	20	Medium sized deciduous tree, Bright scarlet flowers
15	Butea monosperma	Palas	15	Medium deciduous tree with bright flowers
16	Micheliachampaka	Son Chafa	25	Medium sized evergreen tree, fragrant yellow flowers
17	Total	-	240	-
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)	148 kW
	DG set as Power back-up during construction phase	1 no. x 50 kVA and 1 no. x 125 kVA
	During Operation phase (Connected load):	2,456 kVA
	During Operation phase (Demand load):	2,456 kVA
	Transformer:	4 nos. x 630 kVA
	DG set as Power back-up during operation phase:	3 nos. x 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED light & Solar water heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common area lighting with LED bulbs	24 % of energy saving
2	Solar Water heating system	20%, 125 litre/flat (only for top 4 floors of each Block)
3	Energy efficient pumps	Minimum 3 Star rated pump
4	Timer for Staircase lighting, Lift Lobby, Parking area and street lights and landscape lighting	Street lights and landscape lightings

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. 108 Lakh
	O & M cost:	Rs. 2 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Water for Dust Suppression	During the construction phase, water will be required for sprinkling for suppression of dust and for construction purpose.	4
2	Site Sanitation & Safety	Toilet facility provided to the labours	179
3	Environmental Monitoring	Ambient air, drinking water, noise and soil testing on monthly basis.	3
4	Disinfection	Cleaning and maintaining the site	12
5	Health Check up	Weekly health check up at site and medicines.	12
6	Total (A)	-	210

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	14 nos. of recharge pits	23	1
2	Sewage Treatment Plant	1 no. of STP having capacity of 220 m3/day	59	18
3	Organic Waste Composting	2 no. of OWC unit having total capacity 450 kg	14	7
4	Tree Plantation	Landscaping	10	8
5	Energy saving	LED & Solar	108	2
6	Environment Monitoring	Air, Water, Noise, Soil, surface water, STP treated water etc.	MoEF approved laboratory	1
7	Laying of Storm & Sewer line upto final disposal point	-	21	1
8	Total	-	235	38

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	20,187 m2
	Area per car:	32 m2
	Area per car:	32 m2
	Number of 2-Wheelers as approved by competent authority:	Scooters-644 nos. & Cycles – 604 nos.
	Number of 4-Wheelers as approved by competent authority:	619 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	8(a), B2
	Court cases pending if any	NA
	Other Relevant Informations	We have received Environmental Clearance for project from Govt. of Maharashtra file no. SEACIII-2015/CR.107/TC.3 dated 03.12.2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	14-01-2016

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 Project "Sobha Elanza" on Survey No. 77/1, Plot no.1 at village Kothrd, Tal Haveli, Dist Pune by by Sobha Ltd.

PP submitted their application for Expansion of Environmental clearance for total plot area of 27,499 Sq. Mtrs, FSI area of 34,394 Sq. Mtrs, Non FSI area of 36,324 Sq.m and BUA of 70,718 Sq. Mtrs. PP proposes to construct total 3 residential buildings with one 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

Committee noted that the PP has complied with the points raised in 70th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 74 **Meeting Date** October 26, 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 m2, BUA of 42249.83 m2 and FSI area of 28544.10 m2.

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

Committee noted that the PP has complied with the points raised in 65th and 68th SEAC-3 meeting.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 74th Meeting of SEAC-3 (DAY-2)

SEAC Meeting number: 74 **Meeting Date** October 26, 2018

Subject: Environment Clearance for M/s Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd. proposes to expand "OXFORD CITY" Residential, Educational Institute and Commercial Project at Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261, 1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23, 34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168,

Is a Violation Case: No

1.Name of Project	Oxford City
2.Type of institution	Private
3.Name of Project Proponent	Mr. Haresh Shah
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Township
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	EC Granted 1.No. 21-154/2006/IA-III date 17 Oct. 2006. 2. No. 21-362/2007/IA-III dated 27 Dec. 2007.
8.Location of the project	Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261, 1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23, 34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168, 199, 200/3 at village Bavdhan Mulshi, Lavale and Bavdhan
9.Taluka	Mulshi
10.Village	Lavale and Bavdhan
Correspondence Name:	M/s. Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd.
Room Number:	501
Floor:	4th Floor
Building Name:	Kensington Court
Road/Street Name:	Lane No.5, off North main road
Locality:	Koregaon Park
City:	Pune
11.Area of the project	Pune Metropolitan Regional development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	CC issued by PMRDA
	IOD/IOA/Concession/Plan Approval Number: Sanctioned vide No. BMU/Mouje Lavale/S.N. 1168 and others/PN/31/2017-18 dt. 10.04.2018
	Approved Built-up Area: 1545578.96
13.Note on the initiated work (If applicable)	This has been worked out by adding the Built up area of Existing Phase (5,77,828.01Sq.M) and Proposed expansion phase (48,46,595.37 Sq. M). The project proponent has planned to complete the entire project in eight phases. So far construction has been carried out is only 62881.92 Sq.m, which is only 10.88 per cent of the total built up area of the existing phase. Important buildings or edifices constructed in the existence phase are Golf Club Building 4763 Sq.m, Flame University 53618.92 Sq.m. and Avasara School 4500.00 Sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Yes
15.Total Plot Area (sq. m.)	3857154.00
16.Deductions	220554.83
17.Net Plot area	3636599.17
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 4253512.80
	b) Non FSI area (sq. m.): 1170910.51
	c) Total BUA area (sq. m.): 5424423.31

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 10-04-2018
19.Total ground coverage (m2)	250747.72 Sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	6.5 % of Total Plot Area and 6.9 % of Net Plot Area
21.Estimated cost of the project	150000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	OCR -1: G1BA	2PD+30	99.90
2	OCR -1: G7	2PD+30	99.90
3	OCR -1: G3D	2PD+30	99.90
4	OCR -1: G4A	2PD+30	99.90
5	OCR -2: N1Cb	3PD+30	99.90
6	OCR -2: N1Da	3PD+30	99.90
7	OCR-2: G3D	3PD+30	99.90
8	OCR-2: MLCP+C8	6	24.00
9	OCR 2: C5	3	15.00
10	OCR 2: CG	3	15.00
11	OCR 2: C7	3	15.00
12	OCR 3: T1, T3	5PD+30	99.90
13	OCR 3: T2,T4,T5,T6,T7	5PD+30	99.90
14	OCR 4: T	2PD+ 30	99.90
15	OCR 5: T	2PD+ 30	90.00
16	OCR 6: BLOCK A	G+3	12.27
17	OCR6: BLOCK B	G+5	25.00
18	OCR 6: BLOCK C	G+3	13.40
19	OCR6: BLOCK D	G+4	15.00
20	OCR6: BLOCK E	G+7	28.15
21	OCR-6 BLOCK F	G+29	99.90
22	OCR 6: LOGHUTS	G+1	6.00
23	OCR 6: EXP CENTER	G+1	9.00
24	OCR-7 +8 TYPE-1	G+2	14.50
25	OCR-7 +8 TYPE-2	G + 2	14.50
26	OCR-7 +8 TYPE-3	G + 2	14.50
27	OCR-7 +8 TYPE-4	G + 2	14.50
28	OCR-7 +8 TYPE-5	G + 2	14.50
29	OCR-7 +8 TYPE-1	G + 2	14.50
30	OCR 9 T	2PD+30	99.90
31	OCR 10 T	2PD+30	99.90
32	OCR 12 T	2PD+30	99.90
33	OCR 13 T	2PD+30	99.90
34	OCR 14 E 1	P+17	60.00

35	OCR 14 E 3	P+17	60.00
36	OCR 15 E 1	P+17	60.00
37	OCR 16 E 1	P+18	55.00
38	OCR 17 E 1	P+17	60.00
39	OCR 17 E 1A	P+17	60.00
40	OCR 17 E 2	P+17	60.00
41	OCR 18 T	2PD+30	99.90
42	OCC- 4 Shed -1	G	7.8
43	OCC- 3 Town Hall	P+ POD + 7	24
44	OCC- 2 C -2	P+ POD + 23	71.40
45	OCA-4 Health Club	P+ 2	15
46	OCA-2 Library Building	P+ 7	24.00
47	OCE -9 Health	P+ 5	18.15
48	OCE-1 A01	G+1	9.45
49	OCE-1 A02	LG+G+3	14.95
50	OCE-1 A03	G+3	12.00
51	OCE-1 A04	G+2	11.25
52	OCE-1 A05	G+3	12.00
53	OCE-1 A06	G+1	9.45
54	OCE-1 A07	G+3	14.85
55	OCE-1 A08	G+1	9.45
56	OCE-1 A09	G+3	14.85
57	OCE-1 A10	G	5.20
58	OCE-1 A11	G+1	13.11
59	OCE-1 A12	G+1	11.10
60	OCE-1 A13	G	4.02
61	OCE-1 A15	G+1	6.90
62	OCE-1 A16	G+1	7.00
63	OCE-1 A17	G+1	7.00
64	OCE-1 A18	G+1	7.00
65	OCE-1 A19	G+1	7.00
66	OCE-1 A20	G	4.50
67	OCE-1 A21+22	G	6.45
68	OCE-1 A23	G	3.45
69	OCE-1 A26 +2	G+3	13.00
70	OCE-1 A27 +2	G+3	13.05
71	OCE-1 A28	G+3	14.95
72	OCE-1 A40	G	4.35
73	OCE-1 A41	G+2	14.81
74	OCE-1 A42	G+3	15.00
75	OCE-1 A46	G	3.45
76	OCE-1 A47	G	3.45
77	OCE-1 A48	G+4	15.00
78	OCE-1 Auditorium	G+1	14.40

79	OCE2:Sport Complex	G+1	10.80
80	OCE2:Executive Education Centre	G+7	24.00
81	OCE2:Hostel 1	G+3	12.00
82	OCE2:Faculty Housing	G+7	24.00
83	OCE 3	0	0
84	OCE 4	0	0
85	OCE -5 Building-1	G+3	14.90
86	OCE -5 Building-2	G+3	14.90
87	OCE -5 Building-3	G+3	14.90
88	OCE -5 Building-4	G+3	14.90
89	OCE -5 Building-5	G+3	14.90
90	OCE -5 Building-6	G+3	14.90
91	OCE7 – Academic Block – A	G+3	15.00
92	OCE7 – Academic Block – B	G+3	15.00
93	OCE6- School 1	G+3	14.90
94	OCE8 – Housing 2A	G+4	16.00
95	OCE8: Housing 3A	G+4	16.00
96	OCE8: Housing D-1 & D-2	G+1	7.00
97	OCU-1 Bus Station	G	5.00
98	OCU-1 Police Station	G	4.20
99	OCU-1 Fire Station	G	5.00

23.Number of tenants and shops	No. of Tenements 18922 (Residential)
24.Number of expected residents / users	275168
25.Tenant density per hectare	50 (permissible 250 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)	18 m. road developed by project proponent connected to NH-4. Fire station is at distance of 12.0 km. Fire station is proposed in the township.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	So far construction has been carried out is only 62881.92 Sq.m, which is only 10.88 per cent of the total built up area of the existing phase. Important buildings or edifices constructed in the existence phase are Golf Club Building 4763 Sq.m, Flame University 53618.92 Sq.m. and Avasara School 4500.00 Sq.m.
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	Irrigation Department Pune
	Fresh water (CMD):	9230
	Recycled water - Flushing (CMD):	4758
	Recycled water - Gardening (CMD):	2561
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	16549
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	30 Kl
	Excess treated water	4209
Wet season:	Source of water	Irrigation Department Pune
	Fresh water (CMD):	9230
	Recycled water - Flushing (CMD):	4758
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	9
	Total Water Requirement (CMD) :	13988
	Fire fighting - Underground water tank(CMD):	500 KL
	Fire fighting - Overhead water tank(CMD):	30 KL
	Excess treated water	6769
Details of Swimming pool (If any)	AS per Layout plan	

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	336	13652	13988	90	1763	1853	246	11889	12135

Gardening	664	1897	2561	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon depth of Water level 2-5 m
	Size and no of RWH tank(s) and Quantity:	details are given in EIA Report
	Location of the RWH tank(s):	As per contour of the site
	Quantity of recharge pits:	600 Nos.
	Size of recharge pits :	1.5 x1.5 x 2 m
	Budgetary allocation (Capital cost) :	120 Lakhs
	Budgetary allocation (O & M cost) :	10 Lakhs/Annum
	Details of UGT tanks if any :	UGT Name In KLD UGT-1 2170 UGT-2a 710 UGT-2b 830 UGT-3 3140 UGT-4a 870 UGT-4b- 380 UGTb-2 210 UGT-F 400 UGT-V1 90 UGT-V2 90 UGT-V3 90 UGT-G 250 Total 9230 Total : 12 UGWT will be provided.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage will be designed according to contour of the site
	Quantity of storm water:	169263 cum
	Size of SWD:	1200 mm in diameter
Sewage and Waste water	**Sewage generation in KLD:**	12135
	STP technology:	MBBR
	Capacity of STP (CMD):	13 no. Total Capacity 12330 KLD
	Location & area of the STP:	Shown in Layout Plan
	Budgetary allocation (Capital cost):	Rs. 900 Lakhs
	Budgetary allocation (O & M cost):	Rs. 90 lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 Kg/day
	Disposal of the construction waste debris:	Authorized Dealer
Waste generation in the operation Phase:	**Dry waste:**	24990.5 Kg/Day
	Wet waste:	37485.7Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	30 Kg/day
	STP Sludge (Dry sludge):	Yes
	Others if any:	Used Oil
Mode of Disposal of waste:	**Dry waste:**	Dry Waste (Non- biodegradable) garbage: Segregated into recyclable and non-recyclable waste and shall be handed over to Authorized Recycler of PMC.
	Wet waste:	OWC
	Hazardous waste:	Authorized dealer if any
	Biomedical waste (If applicable):	Authorized Dealer
	STP Sludge (Dry sludge):	Dry Sludge will be used as manure for Gardening
	Others if any:	Authorized Vendor
Area requirement:	**Location(s):**	As per shown in Layout Plan
	Area for the storage of waste & other material:	Enmark area is shown in layout plan
	Area for machinery:	1400 Sq.m for OWC setup.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9 Crores
	O & M cost:	Rs. 90 lacs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	7.5-8.5	7.0-7.5	6.5-9.0
2	SS	mg/ltr	150-200	50-100	100
3	BOD	mg/ltr	50-80	10-30	30

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 Oil	5.1	ltr/annum	30	100	130	Authorised Vendor

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	2625 ltr/day	107 nos.	as per Norms	appropriate as per height.	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	816 ltr/day	1809 ltr/day	2625 ltr/day
41.Source of Fuel		Local Supplier		
42.Mode of Transportation of fuel to site		by Road through Truck Tanker		

43.Green Belt Development	**Total RG area :**	11,19,247.63 Sq.m. (Including Hill slope plantation)
	No of trees to be cut :	350 Nos. approximate)
	Number of trees to be planted :	7500 trees have been planted and As many as 20000 trees have been planned to be planted
	List of proposed native trees :	Neem, Mango, Jambhul, Fig, Amaltas, Bargad, Shisam, Arjuna, Gulmohar, Jackfruit, Chiku, Ashok, Furcurea, Badam, Royal Palm
	Timeline for completion of plantation :	Not Applicable

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	Azardirachtaindica	Neem	3000	Dense , Evergreen
2	FicusBenghalensis	Bargad,(Wad)	150	Large, Dense , Evergreen
3	TerminaliaArjuna	Arjuna	2000	semi-deciduous, Medium
4	PolyalthiaPendula	Ashoka	4000	Evergreen, small
5	MangiferaIndica	Amba	1000	Large, Dense , Evergreen
6	SyzygiumCuminii	Jambhul	1000	semi-deciduous, Medium
7	Cassia Fistula	Amaltas	1500	Evergreen, small
8	DalbergiaLatifolia	Shisam	1000	Large, Dense , Evergreen
9	MicheliaChampaka	SoanChafa	800	Large, Dense , Evergreen
10	Manilkarazapota	Chiku	800	semi-deciduous, Medium, tall
11	FurcrataGigantia	Furcurea	700	succulent garden ornamental.
12	DelonixRegia	Gulmohar	1500	Deciduous, Large
13	Artocarpusheterophyllus	Jackfruit	500	Good canopy, Fruit & flower, attracting
14	FicusBenjamina	Fig	550	Deciduous, Large
15	Roystonearegia	Royal Palm	1500	Deciduous, Large
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)	200 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	456 MVA
	During Operation phase (Demand load):	247 MVA
	Transformer:	194 Nos.
	DG set as Power back-up during operation phase:	107 Nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	132 KVA line

48.Energy saving by non-conventional method:

Solar Energy Conventional Energy

Sr. No Description Units Saved/ year Energy cost savings/ Year Units Saved/ Day Units / year Energy cost / Year % Energy Saving/yr
(Kw-hr/ year) (Rs./year) (Kw-hr/ Day) (Kw-hr/ year) Rs./year
1 Solar Lighting 43800 306600 120 438000 3066000 10
(for Landscape/Driveway)
2 Still Floor / Staircase 5162706 36138942 14144 17209020 120463140 30
/ Lift Lobby Lighting
3 VFD's on Lifts 4204800 29433600 11520 21024000 147168000 20
4 Solar Panels for Hot Water 2509600 17567200 6875.62 135505000 94535000 19

Total Savings/year (KWH) 11920906 83446342 32660 52176020 365232140 20
Total Savings/ day (Kwh) 32660 228620 142948 1000636

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Lighting (for Landscape/Driveway)	10 %
2	Still Floor / Staircase / Lift Lobby Lighting	30 %
3	VFD's on Lifts	20 %
4	Solar Panels for Hot Water	19 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Air Pollution –Vehicular Movement and DG Set used during power failure only	Acoustic Covered and Chimney	Every DG set having appropriate Acoustic Cover and Chimney (stack) as per CPCB Norms
Sewage	200 KLD and 300 KLD	11 more STP Total capacity after expansion will be 12330 KLD
Solid Waste (Non Bio-degradable) and Bio Degrdable	Bins are Provided and disposal trough PMC	Bins are Provided and disposal trough PMC and 14 OWC will be installed for Bio-degradable waste.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.4203.00Lakhs
	O & M cost:	Rs.40.00 Lakh 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	Water for Dust Suppression	SPM	7.20 (Rs.1500/day for 2 years)
2	Site Sanitation & Safety	mobile toilets	5.50
3	Environmental Monitoring	--	4.50
4	Health & Checkup of Labour	--	2.0
5	TOTAL	--	19.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Pollution	Sewage Treatment Plant 13 Nos. Total capacity 12330 KLD	900	90
2	Air Pollution Control Management	Water sprinklers, Stacks of appropriate ht shall be provided to DG Set	25	5
3	Solid Waste Management	Organic Waste Converter OWC and bins will be provided	350	35
4	RWH	600 Nos of pits shall be provided	120	10
5	Energy Conservation	Flat Area (2 Light On PV Solar) solar water heaters & Solar Street Light.	4203	40
6	Landscape	Plantation and lac	300	30
7	--	Total	5898	210

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is approachable by Mumbai-Bangalore NH-4 road through TarRoad Developed by Project Proponent.
Parking details:	**Number and area of basement:**	None
	Number and area of podia:	46 Podium.
	Total Parking area:	817000 Sq. m.
	Area per car:	As per PMRD Norms
	Area per car:	As per PMRD Norms
	Number of 2-Wheelers as approved by competent authority:	87770 Scooter and 87770 Cycles
	Number of 4-Wheelers as approved by competent authority:	27678 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	6-12 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	None
	Other Relevant Informations	Application for Environmental Clearance.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	18-12-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Residential, Educational Institute and Commercial Project at Gat No. 1167 to 1179,1181, 1183 to 1189, 1191 to 1198,1200 to 1204,1206 to 1232, 1241, 1243, 1245, 1246, 1247, 1253, 1259, 1261,1263 to 1266, 1268 to 1284, 1286 to 1289, 1292, 1298 to 1303, 1317, 1656 to 1660 at village Lavale and Gat No. 23,34/1, 34/2/1, 34/4b/1, 129/1, 131, 132, 135, 137/1, 137/2, 137/3, 159, 163, 168, at village Bavdhan Mulshi, Lavale by M/s Knowledge City Education Pvt. Ltd. & M/s. Oxford Golf & Resorts Pvt. Ltd.proposes to expand "OXFORD CITY"

PP submitted their application for Expansion in existing Environmental clearance for total plot area of 3857154 Sq. Mtrs, BUA of 5424423.31 Sq. Mtrs and FSI area of 4253512.80 Sq. Mtrs.

The proposal was discussed in the committee to ascertain the methodology to be adopted to process various aspects of the activities proposed on the site by the PP and the expected impacts of these activities on the ecology and environment at the project site and its immediate neighbourhood. It was inter alia agreed that we may take up the various activities and examine each one in detail to study the impacts and the effect of the measures adopted by the PP for mitigation of the adverse impacts.

DECISION OF SEAC

The following subjects were identified for examination and discussion with the PP and his team of consultants and advisers. This list is, however, not exhaustive and the SEAC will continue to add issues as these arise during the course of discussions. The efforts of the SEAC will be to examine this project exhaustively to ensure that no aspect of environmental concerns as identified in the current legislations, administrative orders and statutory notifications is left uncovered. It will also be the effort of the SEAC to ensure that communities living in the vicinity of this project are not affected adversely in any manner but on the other hand benefit economically and socially by this development and are over the course of its development incorporated seamlessly into this new community.

1. Land Environment.
2. Ground Water and Water Environment.
3. Air Environment.
4. Noise Management.
5. Energy and Power.
6. Ecology and Biodiversity.
7. Solid Waste Management.
8. Bio Medical Waste Management.
9. Waste Water Management.
10. EMP-Environment Management Cell and Budget.
11. Disaster Management, Fire Fighting and on site Emergency Plan.
12. Socio Economic Issues related to project site.
13. Traffic Management (Traffic Generation and Impact).

Note: The EIA report prepared by the PP will be the reference document for various issues that will be discussed by the SEAC. It may require to be modified at the end of our deliberations in accordance with the requirements of law and facility of implementation of the project to ensure the applicability of the most suitable solutions to meet the required standards.

The proposal was discussed in 74th SEAC-III meeting held on 26.10.2018 and in 75th SEAC-III meeting held on 02.11.2018. Compliance points of 74th meeting were discussed during 75th meeting. During discussion following points emerged:

After detail discussion of the case, committee shared the observations with the PP in respect to **Land Environment, Water Environment, Solid Waste management, Socioeconomic issues and Energy Management** and asked to submit information to the committee for further discussion and consideration of SEAC and asked the PP for detail presentation on **Environment Management Plan and Disaster Management Plan in the next meeting** and also PP shall make detail presentation regarding EIA studies/TOR the same. The committee shall perform the site visit as and when necessary.

Specific Conditions by SEAC:

1) PP to submit details of following points on Land Environment : (a) PP to submit details of ownership of clarifying whether they have bought land of Adivasis Public Land, Forest or Government Land etc. (b) PP to take trial pits at location where development is expected as per the proposed Master Plan, to understand the soil strata and the same shall be reflected in the ecological report. (c) PP to carry out soil tests in the villages falling in the vicinity to check its alkaline / acidic nature. (d) PP to clarify whether the existing land use will get significantly altered from the project that is not consistent from surrounding. (e) PP to clarify whether proposed land use confirms to the Master Plan approved by the competent authority. (f) PP to submit plan for soil stabilization at proposed construction site to prevent soil erosion. (g) The total area yet to develop is about 1000 acre. During construction phase, labour colony will be provided with the provision of required fuel, water and imitation facility. It is therefore, necessary to maintain the sanctity of existing land scape. PP to clarify the same. (h) PP to submit details of wetlands to be created and their use for domestic water storage, sewage treatment and RWH. (i) PP to submit all required NOCs from the concerned agencies including consent for fresh water supply of required quantity. (j) PP to submit fugitive dust modelling data for any cutting or drilling which may likely to take place during excavation. (k) PP to ensure that UDPFI guidelines shall be followed and road network shall be designed accordingly.
2) PP to submit details of following points on Water Environment : (a) PP to submit details of disposal of excess treated water especially in monsoon season supporting with NOCs from concerned authorities. (b) PP to submit details of pesticides if any to be used on Golf Course. (c) PP to verify whether existing natural water course needs to be widened considering the existing run off. (d) PP to submit complete storm water drainage with drawings. (e) PP to submit phase wise water budget.
3) PP to submit details of following points on solid waste management : (a) PP to submit details of waste collection points. (b) PP to submit comprehensive plan and SOP envisaged for primary / secondary and tertiary collection, segregation, treatment and disposal of waste. (c) PP to submit separate EMP for bio-medical waste management.
4) PP to submit details of following points on socio economic issues: (a) PP to submit socio-economic infrastructure details within vicinity of site w.r.t. pre-primary school, primary school, secondary school including public transport arrangements on the site and proposed development expected in 10-15 years. (b) PP to explore possibility to provide a space for "Otta market" so as to facilitate the farmers in adjoining village to sell their vegetables etc.
5) PP to submit building clearance NOC pertaining to 220 KVA line.
6) PP to incorporate energy maintenance component in EMP.

FINAL RECOMMENDATION

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