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

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Proposed Building construction

Is a Violation Case: No

1.Name of Project	Gruhyog
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pravinsinh Jaysinghrao Ghatge
4.Name of Consultant	Mr. Rajesh Shvarivasta PECS, Pollution & Ecology control Services
5.Type of project	Housing 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	R.S. No. 950, E-ward, Adjacent to Renuka Mandir, Bawada, Kolhapur
9.Taluka	Karveer
10.Village	-
Correspondence Name:	Mr. Pravinsinh Jaysinghrao Ghatge
Room Number:	-
Floor:	-
Building Name:	Paga Building
Road/Street Name:	Collector Office Road
Locality:	Nagala Park
City:	Kolhapur
11.Area of the project	Corporation
12.IOD/IOA/Concession/Plan Approval Number	Kolhapur Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 22724.88
13.Note on the initiated work (If applicable)	Construction completed as per sanction.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	8495.96 Sqm
16.Deductions	195.96 Sqm
17.Net Plot area	8300 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13694.16
	b) Non FSI area (sq. m.): 10622.64
	c) Total BUA area (sq. m.): 24316.80
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12281.72
	Approved Non FSI area (sq. m.): 10443.16
	Date of Approval: 17-05-2018
19.Total ground coverage (m2)	2129.07
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.66 %
21.Estimated cost of the project	454624512

22.Number of buildings & its configuration

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

1	Wing A	Stilt +9	30
2	Wing B	Stilt + 7	24
3	Wing C	Stilt +7	24
4	Wing D	Stilt + 8	27
5	Club House	Stilt + 1	-

23.Number of tenants and shops	No. of Tenants- 300 No.of Shops- Shops of commercial area
24.Number of expected residents / users	Residential Users- 1500 Nos. Commercial Users- 170 Nos.
25.Tenant density per hectare	362 Tenemants /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 wide approach road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9M
29.Existing structure (s) if any	Construction done as per sanction
30.Details of the demolition with disposal (If applicable)	No Demolition Proposed

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**	Kolhapur Municipal Corporation
	Fresh water (CMD):	138.4
	Recycled water - Flushing (CMD):	71.75
	Recycled water - Gardening (CMD):	6.89
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	217.04
	Fire fighting - Underground water tank(CMD):	200.0 Cum
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	131.51
Wet season:	**Source of water**	Kolhapur Municipal Corporation
	Fresh water (CMD):	138.4
	Recycled water - Flushing (CMD):	71.75
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	210.15
	Fire fighting - Underground water tank(CMD):	200.0 Cum
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	138.4
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:**	18 M BGL
	Size and no of RWH tank(s) and Quantity:	Harvesting proposed in Recycled Water Tank with filtration
	Location of the RWH tank(s):	Collected in raw water tank
	Quantity of recharge pits:	4 Nos. of recharge pits proposed
	Size of recharge pits :	2M X 2M X 3M
	Budgetary allocation (Capital cost) :	Rs. 2.60 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.11 Lacs P.A.
	Details of UGT tanks if any :	UGT capacity - 241 Cum Fire Fighting UGT- 200 Cum
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	2816.53 Cum
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	210.15
	STP technology:	MBBR
	Capacity of STP (CMD):	STP of capacity- 220 KLD
	Location & area of the STP:	Shown on the plan
	Budgetary allocation (Capital cost):	Rs. 30.0 Lacs
	Budgetary allocation (O & M cost):	Rs. 3.30 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	3 Kg/day
	Disposal of the construction waste debris:	to be disposed through authorized agency & recyclers
Waste generation in the operation Phase:	**Dry waste:**	317 Kg/day
	Wet waste:	458.5 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	19.98 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Through Authorized agency
	Wet waste:	Composting
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Composting
	Others if any:	NA
Area requirement:	**Location(s):**	Shown on plan
	Area for the storage of waste & other material:	25 sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10.1 Lacs
	O & M cost:	Rs. 2.0 Lacs 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 :**	1147.97
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing trees- 250 Plantation required as per Rule- 104 Proposed plantation - NIL
	List of proposed native trees :	Plantation not proposed as existing trees are 250 in No.
	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	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1112 KW
	During Operation phase (Demand load):	630 KW
	Transformer:	630 KVA- 1 No
	DG set as Power back-up during operation phase:	125 KVA- 1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV panels- 0.59 %
Time logic controller- 1.23 %
Electronic V3F drive for lifts- 0.53%
Solar water heater- 11.35 %

Total Saving- 13.70 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panels	0.59%
2	Time logic controller	1.23%
3	Electronic V3F drive for lifts	0.53%
4	Solar water heater	11.35%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 43.38 Lac
	O & M cost:	Rs. 1.84 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	Water for construction & Labour	-	0.97
2	Site Sanitation & Safety	Health & Safety	1.60
3	Environmental Monitoring	Pollution Control	1.80
4	Disinfection	Health & Safety	0.50
5	Health Check up	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	RHW Pits	2.60	0.11
2	Sewage Treatment Plant	Waste water treatment	30.0	3.30
3	Organic Waste Composting	Solid waste management	10.1	2
4	Tree Plantation	Landscape development	0.00	4.15
5	Energy saving	Non conventional measures	43.38	1.84
6	Environment Monitoring	Pollution control	-	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:	1 No.
Parking details:	**Number and area of basement:**	NIL
	Number and area of podia:	NIL
	Total Parking area:	3280.55 Sqm
	Area per car:	13.75 Sqm
	Area per car:	13.75 Sqm
	Number of 2-Wheelers as approved by competent authority:	338 Nos.
	Number of 4-Wheelers as approved by competent authority:	102 Nos.
	Public Transport:	Not proposed
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Nil
	Other Relevant Informations	NA

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed building construction at R.S No. 950, E-ward, Adjacent to Renuka Mandir, Bawada, Kolhapur by Mr. Pravinsinh Jaysinghrao Ghatge (Gruhyog)

PP submitted their application for Expansion of Environmental clearance for total plot area of 8495.96 Sq. Mtrs, FSI area 13,694.16 Sq.m, Non FSI 10,622.64 Sq.m and Total Built up Area of 24,316.80 Sq. Mtrs. Now PP proposes to construct 4 residential buildings.

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

DECISION OF SEAC

*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 revised CER activities as per MoEF&CC circular dated 01.05.2018 as the project is a green field project.

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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Environmental Clearance for Proposed Residential Development

Is a Violation Case: No

1.Name of Project	Parksyde Residences
2.Type of institution	Private
3.Name of Project Proponent	M/s Jaikumar Construction LLP
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing Project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, 1.we have received the environmental clearance vide Environment Clearance letter no SEAC-2212/CR234/TC-1. 2.We have received environment clearance from Nashik Municipal Corporation vide commencement certificate no LND/BP/C1/675/17083 dated 01/03/2018 for FSI 71,880.05 m2
8.Location of the project	S.NO. 256/2to6/6 +256/2to6/8 (P)+256/2 TO6/1+257/1A+257/1B+257/1C+257/1D+257/1J+257/2A/1(P) +257/2B (P)+257/1E+257/1e(P) +257/1H+257/1F/2(P) +257/1G(P)+P.NO. 1 TO 8 From S.no.256/7, Near Rasbihari School, Off Mumbai Agra Highway, Nashik,State - Maharashtra
9.Taluka	Nashik
10.Village	Nashik
Correspondence Name:	M/s Jaikumar Construction LLP,Near Rasbihari School, Off Mumbai Agra Highway, Nashik,State - Maharashtra
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Nashik
City:	Nashik
11.Area of the project	Nashik Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Commencement certificate by N.M.C. obtained
	IOD/IOA/Concession/Plan Approval Number: C-1/675/17083, Dated – 01-03-2018.
	Approved Built-up Area: 86016.75
13.Note on the initiated work (If applicable)	We have initiated the work on site as per the Environment Clearance and the sanctions received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	73079.05
16.Deductions	12641.70
17.Net Plot area	60437.35
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 106285.93
	b) Non FSI area (sq. m.): 30,097.44
	c) Total BUA area (sq. m.): 98604.58
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 86016.75
	Approved Non FSI area (sq. m.): 37539.69
	Date of Approval: 01-03-2018
19.Total ground coverage (m2)	16131.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27%
21.Estimated cost of the project	2987100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	Stilt Parking + 13 Floors	39.45
2	B	Stilt Parking + 13 Floors	39.45
3	C	Stilt Parking + 13 Floors	39.45
4	D	Stilt Parking + 13 Floors	39.45
5	E	Stilt Parking + 13 Floors	39.45
6	F	Stilt Parking + 12 Floors	36.60
7	G	Stilt Parking + 12 Floors	36.60
8	H	Stilt Parking + 12 Floors	36.60
9	I	Stilt Parking + 15Floors	45.15
10	J	Stilt Parking + 15 Floors	45.15
11	K	Stilt Parking + 15 Floors	45.15
12	L	Stilt Parking + 15 Floors	45.15
13	N	Stilt Parking + 15 Floors	45.15
14	O	Stilt Parking + 15 Floors	45.15
15	P	Stilt Parking + 15 Floors	45.15
16	Q	Stilt Parking + 15 Floors	45.15
17	R	Stilt Parking + 15 Floors	45.15
18	S	Stilt Parking + 15 Floors	45.15
19	T	Stilt Parking + 12 Floors	36.60
20	U	Stilt Parking + 12 Floors	36.60
21	V	Stilt Parking + 12 Floors	36.60
22	M1	Stilt Parking + 15 Floors	45.15
23	M2	Stilt Parking + 15 Floors	45.15
24	M3	Stilt Parking + 15 Floors	45.15
25	M4	Stilt Parking + 15 Floors	45.15
26	M5	Stilt Parking + 15 Floors	45.15
27	Club House	Ground + 1 Floor	7.73
28	Maintenance Office	Ground Floors	3.60
29	M6	Stilt Parking + 15 Floors	45.15

23.Number of tenants and shops	Tenements:1496
24.Number of expected residents / users	Residential: 7480
25.Tenant density per hectare	220 Tenement per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Maximum:45.15 m Minimum:3.60 m

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Site abutting on 30.0m wide. road on west & 24.0 m wide road on South side and width of the internal road is 12 m.
29.Existing structure (s) if any	Turning 9 m radius for easy access of fire tender movement from all around the building is 9 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**	Nashik Municipal Corporation
	Fresh water (CMD):	684
	Recycled water - Flushing (CMD):	337
	Recycled water - Gardening (CMD):	126
	Swimming pool make up (Cum):	17
	Total Water Requirement (CMD) :	1164
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	270
	Excess treated water	410

Wet season:	**Source of water**	Nashik Municipal Corporation
	Fresh water (CMD):	684
	Recycled water - Flushing (CMD):	337
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	17
	Total Water Requirement (CMD) :	1038
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	270
	Excess treated water	536
Details of Swimming pool (If any)	• • Dimension of Swimming Pool: Main Pool = 410.31 sq.mt x 1.20 m Baby Pool = 40.92 sq.mt x 0.60 m • Total water Requirement in KLD: 517 • Water requirement for makeup in KLD:17	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	684	684	0	68	68	0	616	616
Domestic	0	337	337	0	34	34	0	303	303
Gardening	0	126	126	0	126	126	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	23 Nos. of RWH pits with bore
	Size of recharge pits :	4.5 m x 4.5 m x 4.5m
	Budgetary allocation (Capital cost) :	Rs. 96 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1.38 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity:1100 m3 Flushing UG tank Capacity: 198m3 Fire UG tank Capacity: 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	From North to south
	Quantity of storm water:	1099.57 m3
	Size of SWD:	900 mm dia having slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	918 m3/day
	STP technology:	SBR
	Capacity of STP (CMD):	1 STP of capacity 920 m3
	Location & area of the STP:	Behind R & S wing
	Budgetary allocation (Capital cost):	Rs. 119.05 Lakhs
	Budgetary allocation (O & M cost):	Rs. 44.35Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	15 Kg
	Disposal of the construction waste debris:	This material will be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	1048 kg/day
	Wet waste:	1570 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	230 Kg/day
	Others if any:	Negligible

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recyclers
	Wet waste:	Will be treated in an Organic Waste Converter
	Hazardous waste:	Authorized hazardous waste management agencies
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	E-waste:will be handled by authorized E-waste management agency.
Area requirement:	**Location(s):**	Behind R & S wing
	Area for the storage of waste & other material:	251 m2
	Area for machinery:	9 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 15 Lakhs
	O & M cost:	Rs. 4.8 lacs/ annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	Diesel	2	3	1.75	90

40.Details of Fuel to be used

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

41.Source of Fuel	Authorized Vendors
42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development	**Total RG area :**	11,708.62
	No of trees to be cut :	NA
	Number of trees to be planted :	755
	List of proposed native trees :	As mentioned in the list below
	Timeline for completion of plantation :	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltoforum pterocarpum	Copper pod	51	Medium sized evergreen tree, fragrant yellow flowers.
2	Pongamia pinnata	Karanj	57	Shady tree.
3	Azadirachta indica	Neem	69	Large tree, good for roadside plantation
4	Ficus benjamina	Jambhul	23	It is a very popular house plant in temperate areas, due to its elegant growth and tolerance of poor growing conditions
5	Michelia champaca	Son chafa	65	Medium sized evergreen tree, Shady tree. fragment flower
6	Milingtonia hortensis	Buch	60	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree.
7	Erythrina indica	Pangara	37	Medium sized deciduous tree. Bright scarlet flowers
8	Lagerstroemia flosregineae	Tamhan	39	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
9	Tabebuia argentia	Trumpet tree	57	The nectar of Tabebuia flowers is an important food source for several species of bees .
10	Tabebuia rosea	Trumpet tree	35	It is a popular ornamental tree in subtropical and tropical regions, grown for its spectacular flower display on leafless shoots at the end of the dry season.
11	Bauhinia blakeana	Kanchan	42	This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers
12	Spathodia	Pichkari	47	This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson
13	Anthocephallus cadamba	Kadam	155	Shady, large tree, ball shaped flowers
14	Terminalia katappa	Khota badam	86	Shady tree. Bird attracting fruit tree.
15	Plumeria alba	Pandhara chafa	99	Medium sized evergreen tree

16	Manikarazapota	Chiku	56	fruit tree
17	Trees to be retained	--	--	--
18	Ficusreligosa	Pimpal	2	Religious tree.
19	Mangiferaindica	mango	4	Large shady,fruit tree.
20	Tamarindusindica	Tamarind	2	Large shady,fruit tree
21	Acacia nilotica	Babhul	2	Thorny tree
22	Santalum album	Chandan	1	Auspicious tree
23	Total	--	11	--
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	Hamellia patens	@ 0.60m c/c	170
2	Canna dwarf	@0.45m c/c	320
3	Hibiscus yellow	@0.60mc/c	220
4	Muraya exotica	@0.75mc/c	225

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	7370.00 kW
	During Operation phase (Demand load):	6150.00 kVA
	Transformer:	13 Nos. 630KVA
	DG set as Power back-up during operation phase:	2 D.G sets of total capacity 380 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• 8W LED Fixtures proposed for parking areas & 15 W LED Fixtures in Common Lobby areas
• Automatic time based controls are proposed in Drive –ways of Parking to save power by switching ON & OFF the lights at appropriate time.
• Solar Heating is being proposed for Hot water used in Toilets & Kitchens.
• V3F drive motors should be used for lifts, which saves 30% energy consumption.
• We have proposed using SOLAR energy for Street Lighting and Parking Lighting. For Each Building having individual 7KW capacity of Solar energy is provided. For Lift & Common lighting load. We are installing 200 KW capacity system for other Common utilities. Like Street lighting, STP, Water pumping system etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using 10W LED Lamps etc Inside the building for Common Areas : Ground Floor Parking Areas & Main Entrance Lobby.	6.59 %
2	Energy Saving using 10W LED Lamps Every Floor Common Passage lobby (Lift Lobbies) & & Staircase Landing	8.52 %
3	Energy Saving Due to uses of LED Lights in Internal Flats of the each building	60.88%
4	Area Lighting used of LED lights in Garden Areas : Pole Light / Tree up lighter, Step lights, UP & Down Lighter) Total Lights divided in Two parts ? 50% Lights will have Timers of 6.30 PM to 10.30 PM ? 50% Lights will have Timers of 6.30 PM to 6.30 AM	10.51%
5	Energy Efficient Motor & V3F Drive reduce the Starting Torque Passenger Lift of Indivisual Building	6.5%
6	Energy saved in compare with Water Gyser Against Solar Water Heater System	7.38%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	920
OWC	Not applicable	OWC 300

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.287 Lakhs
	O & M cost:	Rs.12.5 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	2.1
2	Air Environment	Water For Dust Suppression Air & Noise monitoring	2.1
3	Water Environment	Tanker water for construction Water monitoring	16.8
4	Land Environment	Site Sanitation Gardening	41.86
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Personal protective equipment	21.48
6	Energy Conservation	CFL lamps for labour hutments	0.07

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	NA	13.74
2	Water	RWH	96	1.38
3	Water	STP	119.05	44.35
4	Energy	Solar Water Heating	287	12.5
5	Land Environment	Gardening	328.5	25
6	Solid waste	Solid waste management	15	4.8
7	Swimming Pool	Swimming Pool	100	5.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 30 m and 24 m wide road.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 nos. 5511.80 m2
	Total Parking area:	45195 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	3007
	Number of 4-Wheelers as approved by competent authority:	1652
	Public Transport:	Nearest bus stop
	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	8a
	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

Environmental Clearance for Proposed Residential Development at 257/ 1A, 257 /1B, 257/ 1C, 257/ 1D,257/ 1J,257/ 2A/ 1(P), 257/ 2B(P), 256/2to6/6 +256/2to6/8 (P)+256/2 TO 6/1+256/7 & P.NO. 1 TO 8 Near Rasbihari School, Off Mumbai Agra Highway ,Nashik , State – Maharashtra by **M/s. Parksyde Residences.**

PP submitted their application for prior Environmental clearance for total plot area of 73079.05 m2, FSI area of 106285.93 m2, non-FSI area of 30,097.44 m2 and Total BUA of 98604.58 m2. The Committee noted the chronology of events pertaining to the proposal since grant of EC from SEIAA on 12.12.2014.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to edit the online consolidated statement indicating the exact figures for which EC is sought for. PP to submit / upload revised Form-1, 1A and concerned documents accordingly.
2) PP to submit sanctioned copy indicating actual figures for which EC is sought now.
3) PP to submit approved amalgamation layout plan.
4) PP to submit details of socioeconomic infrastructure of project vicinity.
5) PP to submit phase wise development plan considering wind rose diagram along with mitigation measures to avoid inconvenience to residents.
6) PP to submit cross section through UGT keeping top level at least 0.45 m above ground level. No parking above UGT is permitted.
7) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
8) PP to submit revised parking layout with minimum drive way not less than 5 m width and for two wheelers not less than 1.5 m.
9) PP to submit parking statement with details of area per car
10) PP to submit revised STP drawing considering aeration tank above the ground level.
11) PP to submit NOCs / undertakings for : (a) Drainage. (b) Sustainable water supply. (c) tree cutting. (d) E-waste disposal. (e) CFO.
12) 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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Proposed Residential & Commercial Development "V -UPTOWN"

Is a Violation Case: No

1.Name of Project	M/s. Tatvam Constructions Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Dipak Shah
4.Name of Consultant	Ultratech environment consultancy and Lab
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We have initiated the construction for club house as per sanction & Environmental clearance letter received dated SEAC- III-2014/Cr-367/TC-3 for following proposal:
8.Location of the project	Sr. No. 93/5 and 93/6 Village- Kiwale, Tal- Haveli, Dist- Pune, State- Maharashtra
9.Taluka	Haveli
10.Village	Kiwale
Correspondence Name:	S.No.93/5, 93/6, Kiwale Wasti, Near Sameer Lawns, Mumbai-Pune Bypass, Pune - 412101
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	iwale Wasti, Near Sameer Lawns
Locality:	Kiwale
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation.(PCMC)
12.IOD/IOA/Concession/Plan Approval Number	BP/EC/Kiwale/05/18
	IOD/IOA/Concession/Plan Approval Number: BP/EC/Kiwale/05/18
	Approved Built-up Area: 27272.77
13.Note on the initiated work (If applicable)	We have initiated the construction for Bunglow A & Wing B as per sanction & Environmental clearance letter received dated SEAC- III-2014/Cr-367/TC-3 for following proposal:
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16,600.0
16.Deductions	298.29 Sqm
17.Net Plot area	16301.71 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27272.77 Sqm
	b) Non FSI area (sq. m.): 30430.03 Sqm.
	c) Total BUA area (sq. m.): 57702.80
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 27272.77
	Approved Non FSI area (sq. m.): 30430.03
	Date of Approval: 05-09-2018
19.Total ground coverage (m2)	2578.62
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.81%
21.Estimated cost of the project	9000000

22.Number of buildings & its configuration

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

1	A - Type	GP+P1+P2+16 floor	57
2	B - Type	GP+P1+P2+16 floor	57
3	C - Type	GP+P1+P2+16 floor	57
4	D - Type	GP+P1+P2+16 floor	57
5	E - Type	GP+16 floor	51.65
6	MHADA + Commercial	Commercial (G+1stfloor Part) Mhada (P+ 12 floor)	7.25 AND 39.65
7	Bungalow A	G+ 1st floor	6.60
8	Bungalow B	G+ 1st floor	6.60
9	Club House	G+ 1st floor	6.60

23.Number of tenants and shops	No. of Tenements: 599 Shops: 10
24.Number of expected residents / users	Residential: 2995 No. Floating: 77 No.
25.Tenant density per hectare	228 Tenant / 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)	Pradhikaran Nigdi Fire Station 5Km. Width of the road from the nearest fire station to the proposed building 18mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9 m.
29.Existing structure (s) if any	We have initiated the construction for Bunglow A & Wing B as per sanction & Environmental clearance letter received dated SEAC- III-2014/Cr-367/TC-3 for following proposal: .
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	271
	Recycled water - Flushing (CMD):	140
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	423
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	220
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	271
	Recycled water - Flushing (CMD):	140
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	413
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	230
Details of Swimming pool (If any)	A dimension of Swimming Pool: 10.10 m X 5.70 m X 1.35m Total water Requirement in m3 : 78 m3 Water requirement for makeup in m3 : 2	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	271	271	0	27.1	27.1	0	244	244
Domestic	0	140	140	0	14	14	0	126	126
Gardening	0	10	10	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15m to 20m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	12Nos.
	Size of recharge pits :	2mX1mX2m
	Budgetary allocation (Capital cost) :	12.0Lacs
	Budgetary allocation (O & M cost) :	0.50Lacs/annum
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	17.93 m3/day
	Size of SWD:	200-250 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	370
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 390 KL
	Location & area of the STP:	185 m2
	Budgetary allocation (Capital cost):	70 Lacs
	Budgetary allocation (O & M cost):	20 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 Kg/day
	Disposal of the construction waste debris:	Quantity of the top soil to be preserved: 7761 m3
Waste generation in the operation Phase:	**Dry waste:**	611 Kg/day
	Wet waste:	907 Kg/day
	Hazardous waste:	nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	25 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	611 Kg/day
	Wet waste:	907 Kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	10 Sq. m.
	Area for machinery:	37 Sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18 Lacs
	O & M cost:	10 Lacs /annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Oil	5.1	Lit/ annum	-	-	-	Will be handed over to MPCB authorized 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	365kVA	HSD 61.5 lit/hr	1 No.	3.5Mtr above habitable space	0.15 m	475OC
2	40 kVA	HSD 7.45 lit/hr	1 No.	1.5Mtr above habitable space	0.07 m	408OC

3	20 kVA	HSD 3.9 lit/hr	1 No.	1.5Mtr above habitable space	0.06 m	4460C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1636.99Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	215
	List of proposed native trees :	205 +10
	Timeline for completion of plantation :	Part plantation is completed and remaining will be done at 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	Manikara zapota	Chikoo	20	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	8	Evergreen timber plant, ornamental,
3	Mimusopes elengi	Bakul	37	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	20	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	18	Drought tolerant, ornamental & medicinal plant
6	Butea monosperma	Flame tree	5	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	15	Drought tolerant, ornamental & medicinal plant
8	Saraca indica	Sita ashok	15	Evergreen medicinal plant
9	Roystonea regia	Royal palm	20	Nitrogen fixer, ornamental plant
10	Syzygium cumini	Jambhul	12	fruit tree & bird attracting
11	Neolamarkia cadamba	Kadamba tree	10	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	25	Evergreen & bird attracting tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	22 KW
	DG set as Power back-up during construction phase	30kVA
	During Operation phase (Connected load):	2386 KW
	During Operation phase (Demand load):	1391 KVA
	Transformer:	2 No. 630 KVA and 1 No. 315 KVA
	DG set as Power back-up during operation phase:	3 DG sets: 365 KVA,40KVA, 20KVA
	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.
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 Panels are proposed for street lighting & building common load.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	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	58% (BY LIGHT FITTING & TIMER SAVINGS)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
sewage	Not applicable	STP
Emmision	Not applicable	DG SETS WITH STACK

MSW	Not applicable	OWC
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	100lacs
	O & M cost:	10lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.2
2	Water Environment	Tanker water for construction Water monitoring	1.32
3	Land Environment	Site Sanitation	5.4
4	Biological Environment	Gardening	1.7
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	6.45

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Waste water treatment	70	20
2	Rain Water Harvesting	PITS	12	0.50
3	Environmental Monitoring	Ambient Air quality, Noise level, Exhaust from DG set, drinking water, sewage from STP as per EP Act, Manure	MoEF CC approved laboratory	18.14
4	Gardening	Landscape Development	24.60	1.89
5	Solid Waste	Biodegradable solid waste treatment	18	10
6	Solar Water Heating & solar street light	Energy saving measures	100	10
7	Disposal of surplus treated water	Cost of a. Pumping machinery b. Pipe line	2.50	0.25
8	Swimming pool	costing	23.75	0.50
9	Costing of SWD line	SWD line	15.0	0.125
10	Cost of laying SWD line upto the river(200m)	laying of SWD line upto the river(200m)	6.50	0.125

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 24m wide road and proposed 18m wide DP Road
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	02 & Area-10,254.18 Sq.m
	Total Parking area:	16,820.0Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	1226
	Number of 4-Wheelers as approved by competent authority:	310
	Public Transport:	Via bus
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Residential & Commercial Development "V - UPTOWN"at Sr. No. 93/5 and 93/6 Village- Kiwale, Tal- Haveli, Dist- Pune,by **M/s.Tatvam Constructions Pvt. Ltd.**

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 16600.0 m2, BUA of 63688 m2 and FSI area of 26673.427 m2. PP proposes to construct 6 no. residential & commercial building +2 bungalow+1club house.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit phase wise development plan considering wind rose diagram along with mitigation measures to avoid inconvenience to residents.
2) PP to submit terrace plan for installing solar panels & calculations of energy saving.
3) 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.
4) PP to submit NOC from concerned authority to lay storm water drain across 18 m wide existing road.
5) PP to submit Architect's certificate indicating the construction work (FSI, non-FSI area) carried out till date.
6) PP to submit NOCs / undertakings for : (a) Drainage. (b) Sustainable water supply. (d) E-waste disposal.
7) PP to submit indemnity bond for project land.
8) PP to submit detailed landscape layout plan.
9) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
10) PP to submit revised STP drawing considering aeration tank above the ground level.

FINAL RECOMMENDATION

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

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

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Propsoed Residential Project Anant Srishti at Gat No. 387 and 404, Jambhul, Maval Taluka, Pune,By M/s Landscape Realty

Is a Violation Case: No

1.Name of Project	Propsoed Residential Project Anant Srishti at Gat No. 387 and 404, Jambhul, Maval Taluka, Pune,By M/s Landscape Realty
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amol Tavildar
4.Name of Consultant	VK:e environmental LLP
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	EC received earlier dated 18th October 2012
8.Location of the project	Gat No. 387 and 404,
9.Taluka	Maval
10.Village	Jambhul
Correspondence Name:	Landscape realty
Room Number:	01, Amelia, Lakai Road
Floor:	01, Amelia, Lakai Road
Building Name:	Nr. Ambassador Hotel
Road/Street Name:	Opp. Pratibha Nursing Home
Locality:	Model Colony
City:	Pune
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area: 101131.6
13.Note on the initiated work (If applicable)	Residential buildings exists on site as per EC received earlier dated 18th October 2012
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	130890.00
16.Deductions	Road wide RP: 22181.32 m2 Balance plot area: 108708.68 m2 Amenity space: 16315.57 m2
17.Net Plot area	92393.11 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 101131.66
	b) Non FSI area (sq. m.): 24035.22
	c) Total BUA area (sq. m.): 125166.8
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 04-09-2018
19.Total ground coverage (m2)	20163.09
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.8
21.Estimated cost of the project	2750000000.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building H	P+07	24.0
2	Building I	P+07	24.0
3	Building J	P+07	24.0
4	Building K	P+09	30.0
5	Building L	P +12	37.05
6	Building M	LP+UP+12	37.05
7	Building N	LP+UP+12	37.05
8	Building O	P +12	37.05
9	Building P	P +09	30.00
10	Building Q	P +07	24.00
11	Building R	P+12	37.05
12	Building S1	P+10	31.35
13	Building S2	P+10	31.35
14	Building U	P+10	31.35
15	Building W	P+12	37.05
16	Row house	G+1	6.7
17	Bungalows	P+2	9.7
18	1Commercial	G+1	8.25

23.Number of tenants and shops	No. of tenements : 1230 flats + 123 bunglows, 32 row houses No. of shops: 45 shops
24.Number of expected residents / users	Residential Tenants: 6925 Commercial users: 398 Total population: 7323
25.Tenant density per hectare	105 Tenements/hectare 529 Tenants/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 M
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	Residential buildings exists on site as per EC received earlier dated 18th October 2012
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**	Jambhul Grampanchayat
	Fresh water (CMD):	631
	Recycled water - Flushing (CMD):	321
	Recycled water - Gardening (CMD):	75
	Swimming pool make up (Cum):	3.4
	Total Water Requirement (CMD) :	1030
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25, 5
	Excess treated water	444
Wet season:	**Source of water**	Jambhul Grampanchayat
	Fresh water (CMD):	631
	Recycled water - Flushing (CMD):	321
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3.4
	Total Water Requirement (CMD) :	955
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	25, 5
	Excess treated water	519
Details of Swimming pool (If any)	Volume of Swimming Pool: 86.4 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 : 6.60m bgl Post monsoon : 3.60 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 + 2 existing recharge borewell with pits is proposed
	Size of recharge pits :	2m x 2m x 2m, Dimension of recharge borewell: 178mm diameter with 60 m depth
	Budgetary allocation (Capital cost) :	64,67,000/-
	Budgetary allocation (O & M cost) :	43,000/-
	Details of UGT tanks if any :	Fire tank capacity : 300 kld and 100 kld
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	261031.10 m3/year
	Size of SWD:	900 mm
Sewage and Waste water	**Sewage generation in KLD:**	857
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	6 nos. STP are proposed of total capacity 885 kld
	Location & area of the STP:	486 sqm
	Budgetary allocation (Capital cost):	280,00,000/-
	Budgetary allocation (O & M cost):	44,91,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	- Dry waste (Kg/day): 16 kg/day -Wet waste (Kg/day): 24 kg/day -Total waste generated: 40 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	1444.7 kg/day
	Wet waste:	2117.3 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	177 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH.
	Wet waste:	will be treated in Biogas Plant
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	332.4 m2
	Area for machinery:	332.4 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	59,40,000/-
	O & M cost:	5,34,000/-

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	10894.64 sqm.
	No of trees to be cut :	0
	Number of trees to be planted :	Number of trees planted as per EC received - 410, Total no. of trees required for plantation (species of MOEF Guidelines)-1358, Total no. of trees proposed for plantation : 948
	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	Albizia lebbeck	Shirish	15	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	35	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	40	Shady tree with red-yellow flowers.
4	Anthocephallus cadamba	Kadamba	32	Shady, large tree, bell shaped flowers.
5	Lagerstroemia flosregineae	Tamhan	40	State flower tree of Maharashtra. Medium sized tree, beautiful purple flower
6	Murraya paniculata	Kunti	30	Small tree, Fragrant white flowers,Butterfly host plant
7	Manilkara zapota	Chiku	40	Medium size , fruit bearing tree
8	Mangifera indica	Mango	55	Tall, fruit bearing tree
9	Syzygium cumini	Jambhul	45	Dense ornamental, fruit bearing tree
10	Psidium guajava	Peru	55	Medium size , fruit bearing tree
11	Ficus retusa	Nandruk	55	Medium sized evergreen tree, Shady tree
12	Michelia champaca	Son chafa	30	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
13	Caryota urens	Fish tail palm	28	Tall evergreen tree
14	Terminalia catapa	Badam	30	drought tolerant
15	Terminalia arjuna	Arjuna	35	Large evergreen tree
16	Lagerstromia Lanceolata	Crape-myrtle	40	Medium deciduous tree. Flowers attract many birds
17	Dalbergia latifolia	Shisham, Indian Rosewood	40	drought tolerant
18	Terminalia paniculata	Kindal	30	drought tolerant
19	Samanea saman	Rain tree	40	Large deciduous tree. Flowering
20	Tabebuia avellanedae	Tabebui pink	35	Large deciduous tree. Pink flowers
21	Tabebuia argentea	Tabebui yellow	30	Decidous tree, ornamental, yellow flowers
22	Swietenia mahagoni	Mahagony	30	Large evergreen tree
23	Barringtonia racemosa	Cornbeefwood	30	drought tolerant

24	Nytcanthes arbor-tritis	Parijatak	25	Small deciduous fast growing tree
25	Bauhinia racemosa	Apta	25	Small tree with small white flowers, Butterfly host plant
26	Erythrina indica	Pangara	28	Medium sized deciduous tree. Bright scarlet flowers.
27	Plumeria alba	Chafa	30	Fragrant white-yellow flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Connected Load: 600 KW
	DG set as Power back-up during construction phase	1 no. of 125 kvA
	During Operation phase (Connected load):	3041.93 kvA
	During Operation phase (Demand load):	7604.2 KW
	Transformer:	6 nos. of 630 kvA
	DG set as Power back-up during operation phase:	4no. 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:

USING T5+ LED FIXTURES WITH ELECTRONIC BALLAST
AGAINST T8+ CFL
USING AUTOMATIC TIMER OPERATION AGAINST
MANUAL OPEARATION FOR EXTERNAL LIGHTING
USING HIGH EFFICIENT TRANSFORMER AGAINST
CONVENTIONAL TRANSFORMER
T5 LED Tube for Parking
T8 Tube for parking
LED for Common area
T8 Tube for Common area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	USING T5+ LED FIXTURES WITH ELECTRONIC BALLAST AGAINST T8+ CFL USING AUTOMATIC TIMER OPERATION AGAINST MANUAL OPEARATION FOR EXTERNAL LIGHTING USING HIGH EFFICIENT TRANSFORMER AGAINST CONVENTIONAL TRANSFORMER T5 LED Tube for Parking T8 Tube for parking LED for Common area T8 Tube for Common area	14.8 %

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:**	48,75,000/-
	O & M cost:	7,50,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	13,00,000/-
2	Land	Labour Camp toilets & sanitation	9,60,000/-
3	Health & Safety	Labour Safety Equipments and training	8,00,000/-
4	Environment	Environmental Monitoring	1,85,600/-
5	Health & Safety	Disinfection and Health Check-ups	96,000/-
6	Environment Managment	Environmental Monitoring cell	1,70,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Recharge pits	64,47,000/-	43,000/-
2	Sewage Treatment Plant	6 nos. of STP	280,81,000/-	44,91,000/-
3	Biogas Plant	Solid Waste Management	59,40,000/-	5,34,000/-
4	Tree Plantation	Tree Plantation	129,00,000/-	4,15,000/-
5	Energy saving	Energy saving	48,75,000/-	7,50,000/-
6	Environment Monitoring	Air, water, noise, soil, owc manure	-	1,82,500/-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Jambhul. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide ,9 m and 12 m wide road.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	11079.20 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1613
	Number of 4-Wheelers as approved by competent authority:	547
	Public Transport:	NA
	Width of all Internal roads (m):	Internal driveways are 6 m wide ,9 m and 12 m wide road.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Building and Construction Projects
	Court cases pending if any	NA
	Other Relevant Informations	The subject project has received EC earlier on 18th October 2012

	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 Propsoed Residential Project Anant Srishti at Gat No. 387 and 404, Jambhul, MavalTaluka, Pune,By M/s Landscape Realty.

PP submitted their application for prior Environmental clearance for total plot area of

92393.11 m2, BUA of 125166.8 m2 and FSI area of 101131.66 m2. PP proposes to construct 16 no. Residential & commercial building + 1row house, 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

*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 cross section at 6-7 places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
2) PP to submit energy saving calculation along with terrace area calculations.
3) PP to submit parking statement required as per DCR & provide details at various levels such as lower ground & upper ground.
4) PP to submit cross section through UGT with top of tank, and maintain some distance above the ground level.
5) PP to submit phase wise programme considering wind rose diagram.
6) 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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Proposed Construction Project by M/s Shree Sonigara Realcon

Is a Violation Case: No

1.Name of Project	Sonigara Signature Park
2.Type of institution	Private
3.Name of Project Proponent	Mr Rahul Bhagchand Sonigara
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residental & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No 21/3A, 21/2B, 21/3B/4A/1/2/1, 21/3B/4A/1/3, 21/4B/1, 21/4B/2, 21/4B/3, 21/4B/4, 21/4B/2, 21/4C, 21/4D/5A, 21/5B, 22/2, 39/3,Near Bank Of India, Dange Chowk,
9.Taluka	Pune city
10.Village	Thergaon
Correspondence Name:	Mr Atul Sonigara
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Dange Chowk
Locality:	Thergaon
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 24740.12
13.Note on the initiated work (If applicable)	Building A+B(2P+12) completed (FSI – 6274.71m2 + Non FSI – 6394.29m2 =12669.00m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applicable-4238.86m2
15.Total Plot Area (sq. m.)	34250.00m2
16.Deductions	6259.83m2
17.Net Plot area	27990.17m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 63871.31 m2
	b) Non FSI area (sq. m.): 76366.08 m2
	c) Total BUA area (sq. m.): 140237.39
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12104.57
	Approved Non FSI area (sq. m.): 12635.55
	Date of Approval: 16-01-2018
19.Total ground coverage (m2)	8284.58m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.18% of Total plot area (34250.00m2), 29.59% of Net plot area (27990.17m2)
21.Estimated cost of the project	3689933359.28

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A+B Building	2P+12	36.00M
2	C Building	2P+12	34.80M
3	D Building	2P+12	34.80M
4	E Building	3P+12	34.80M
5	F Building	3P+12	34.80M
6	G Building	3P+12	34.80M
7	H Building	3P+12	34.80M
8	I Building	3P+12	34.80M
9	J Building	3P+12	34.80M
10	K Building (MHADA)	P+12	34.80M
11	L Building (Residential+ MHADA)	P+12	34.80M
12	Commercial Building	LB+UB+G+10	39.00M
13	Amenity-1	P+G+4	12.40M
14	Amenity-2	G+1	7.20M
15	Bungalow	G+3	12.45M
16	Bungalow-A	G+1	6.45M
17	Bungalow-B	G+1	6.45M
18	Bungalow-C	G+1	6.45M
19	Bungalow-D	G+1	6.45M

23.Number of tenants and shops	Total Tenements – 846Nos. Commercial Building= Shops-44Nos, Offices- 121 Nos, 04 screen Theatre, Banquet and 22 rooms,1 Hall & 1 Kitchen. Amenity 1= Showroom- 1 No. & Offices- 32 Nos. Amenity 2= Shops- 5 Nos. & Hall- 1 No.
24.Number of expected residents / users	Residential Users : 4230 Nos, Amenity-1 Users : 159 Nos, Amenity-2 Users: 100 Nos, Commercial Users : 1942 Nos, Total Users : 6431 Nos.
25.Tenant density per hectare	247.00
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45.00 M wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 M
29.Existing structure (s) if any	Old Existing School Building, Bungalow-1, Bungalow-2, Bungalow-3, Chawl, Sales Office, Loadbearing House, Previous sample Flat, Existing UGT, Gas Bank,Labour Toilet, Transformer Room, Security Cabin
30.Details of the demolition with disposal (If applicable)	All the Existing structure will be demolished & debris will be used for landfilling

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):	711.61m3/day (One time)
	Recycled water - Flushing (CMD):	245.38m3/day
	Recycled water - Gardening (CMD):	30.00m3/day
	Swimming pool make up (Cum):	1.50 m3/day
	Total Water Requirement (CMD) :	436.23m3/day
	Fire fighting - Underground water tank(CMD):	475 m3
	Fire fighting - Overhead water tank(CMD):	250 m3
	Excess treated water	336.72m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	681.61m3/day (One time)
	Recycled water - Flushing (CMD):	245.38m3/day
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	1.50 m3/day
	Total Water Requirement (CMD) :	436.23m3/day
	Fire fighting - Underground water tank(CMD):	475 m3
	Fire fighting - Overhead water tank(CMD):	250 m3
	Excess treated water	366.72m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: 73.98 x 1.20 (Main Pool) + 38.11 x 0.60 (Kids Pool) Total water Requirement: 120.65 m3 Water requirement: Approx 1500 Litres/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): Capital Cost : Rs 4.50 Lakh O & M Cost : Rs 1.62 Lakh/Year	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 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:	14 Nos
	Size of recharge pits :	1.5M x 1.5M x 1.5M
	Budgetary allocation (Capital cost) :	Rs 8.00 Lakh
	Budgetary allocation (O & M cost) :	Rs 1.5 Lakh/Year
	Details of UGT tanks if any :	Residential & Amenity: Domestic UG tank Capacity: 625.00m3 Flushing tank capacity: 215.00m3 Fire UG tank Capacity: 375.00m3 Commercial: Domestic UG tank Capacity: 60.00m3 Flushing tank capacity: 60.00m3 Fire UG tank Capacity: 100.00m3
35.Storm water drainage	**Natural water drainage pattern:**	.
	Quantity of storm water:	1045.19m3 / Hr
	Size of SWD:	600mm
Sewage and Waste water	**Sewage generation in KLD:**	Residential & Amenity: 533.44 m3/day, Commercial: 78.66 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	A to H Building(STP-1)= 375 m3/day, I to L Building & Amenity-2(STP 2)=155 m3/day, Commercial Building(STP 3)- 80 m3/day,Amenity-1 (STP 4)= 10 m3/day,
	Location & area of the STP:	STP-1 = 167.48m2, STP-2 = 83.50 m2, STP 3= 48m2,STP 4= 22.40m2
	Budgetary allocation (Capital cost):	STP-1 (Building A to H)= Rs. 108.22 Lakh, STP-2 (Building I to L & Amenity-2)= Rs. 52.64 Lakh, STP-3 (Commercial Building)= 36.19 Lakh,STP -4 (Amenity-1)= Rs. 16.23 Lakh
	Budgetary allocation (O & M cost):	STP-1 (Building A to H)= Rs. 14.82 Lakh/Year, STP-2 (Building I to L & Amenity-2)= Rs. 7.65 Lakh/Year, STP 3(Commercial Building)= Rs. 7.34 Lakh/Year,STP-4 (Amenity-1)= Rs. 3.22 Lakh/Year ,

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	250 Kg/Day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	Residential & Amenity-2= 569.48 Kg/Day, Commercial Building = 145.65 Kg/Day, Amenity-1= 14.55 Kg/Day.
	Wet waste:	Residential & Amenity-2= 1328.78 Kg/Day, Commercial Building= 339.85 Kg/Day, Amenity-1= 33.95 Kg/Day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Residential & Amenity-2= 106 Kg/Day (100% Dry), Commercial= 16Kg/Day (100% Dry), Amenity-1= 6.0 Kg/Day (100% Dry)
	Others if any:	-
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	OWC 1(Residential & Amenity 2)= 72.00 m2, OWC 2(Commercial Building)= 36.80 m2, OWC 3(Amenity 1)= 12.00 m2
	Area for machinery:	Included in other Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	OWC 1= Rs. 30.65 Lakh, OWC 2= Rs. 17.58 Lakh, OWC 3= Rs. 10.18 Lakh
	O & M cost:	OWC 1= Rs. 4.09 Lakh, OWC 2= Rs. 2.76 Lakh/Year, AOWC 3= Rs. 1.25 Lakh/Year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set- 200 KVA- 1 No. (Residential Building)	HSD- 42 Lit/Hr	S-1	7.5 M	To be provided	To be provided
2	DG Set- 180 KVA- 1 No. (Residential Building)	HSD- 42 Lit/Hr	S-2	7.0 M	To be provided	To be provided
3	DG Set 500 KVA- 2 Nos. (Commercial Building)	HSD- 107 Lit/Hr	S-3 & S-4	45 M	To be provided	To be provided
4	DG Set 250 KVA- 1 No. (Commercial Building)	HSD- 53 Lit/Hr	S-5	43 M	To be provided	To be provided
5	DG Set 40 KVA- 1 No. (Amenity 1)	HSD- 9 Lit/Hr	S-6	5.5 M	To be provided	To be provided
6	DG Set 20 KVA- 1 No. (Amenity 2)	HSD- 5Lit/Hr	S-7	4.0 M	To be provided	To be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	258 Lit/Hr	258 Lit/Hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	3352.10 m2
	No of trees to be cut :	14 Nos.
	Number of trees to be planted :	438 Nos.
	List of proposed native trees :	438 Nos
	Timeline for completion of plantation :	Mid of Construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Tarminalia catappa	Badam	05	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	28	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	95	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	07	Evergreen & bird attracting tree
5	Cassia fistula	Golden shower	54	Drought tolerant, ornamental & medicinal plant

6	Butea monosperma	Flame tree	12	Used in pesticide & dye preparation,
7	Plumeria alba	Frangipani	04	Drought tolerant, fragrant tree
8	Bauhinia blackiana	Kanchan	15	Evergreen medicinal plant
9	Roystonea regia	Royal palm	25	Nitrogen fixer, ornamental plant
10	Pongamia glabra	Karanj	64	Evergreen & bird attracting tree
11	Neolamarkia cadamba	Kadamba tree	14	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	13	Evergreen & bird attracting tree
13	Ficus religiosa	Pimpal	01	Evergreen & bird attracting tree
14	Ficus benghalensis	Wad	01	Shade Loving& bird attracting tree
15	Albezia lebbeck	Shirish	06	Evergreen & bird attracting tree
16	Azadiractha indica	Neem	12	Evergreen & bird attracting tree
17	Caryota mitis	Fishtail palm	67	Nitrogen fixer, ornamental plant
18	Cassia Grandis	Pink shower	15	Drought tolerant, ornamental & medicinal plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	4184 KW (For Residential & Amenity 1 & 2 & Bungalow) + 1745KW (For Commercial Bldg)=5929 KW
	During Operation phase (Demand load):	5270 KVA
	Transformer:	22KV/630 KVA-3 Nos & 22KV/315 KVA-1 No. (For Residential, Amenity 1& 2 and Bungalow), 22KV/630 KVA- 2 Nos. (Commercial Building)
	DG set as Power back-up during operation phase:	200 KVA-1 No. & 180 KVA-1 No. (Residential Building), 40 KVA- 1No. (Amenity 1), 20 KVA -1 No(Amenity 2), 500 KVA- 2Nos. & 250 KVA-1No. (Commercial Building),
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• Solar water heating systems will be done for bathrooms.

• Solar lights will be provided for common amenities like Street 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
Detail Calculations & % Energy Saving: Is 18.85%

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.	73691.3
2	Up Lights - Light Fitting For Landscape Area.	1163
3	Bollard Lighter - Light Fitting For Landscape Area.	1022
4	Solar Street Light Fitting - Pole Light On Road Side.	10037.5
5	Street Light on the Bldg.	12045
6	Energy Saving by Solar Hot Water System.	951750
7	) Solar Power System (15% of Connected Load – 5929.45 x 15% = 889.42 KW = 889.42 x 24 Hrs = 21346.2 KWH)	6403860

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 120 Lakh
	O & M cost:	Rs 3.99 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 (A to H Building)	Capacity- 375KLD	108.22 Lakh	14.82 Lakh/Year
2	STP-2 (I to L Building & Amenity-2)	Capacity- 155KLD	52.64 Lakh	7.65 Lakh/Year
3	STP-3 (Commercial Building)	Capacity- 80KLD	36.19 Lakh	7.34 Lakh/Year
4	STP-4 (Amenity-1)	Capacity- 10KLD	16.23 Lakh	3.22 Lakh/Year
5	RWH	-	8.00 Lakh	1.5 Lakh/Year
6	MSW-1	1550KPD (Residential & Amenity-2)	30.65 Lakh	4.09 Lakh/Year
7	MSW-2	375KPD (Commercial Building)	17.58 Lakh	2.76 Lakh/Year
8	MSW-3	100KPD (Amenity-1)	10.18 Lakh	1.25 Lakh/Year
9	Energy System	-	120.00 Lakh	3.99 Lakh/Year
10	Landscaping	-	37.32 Lakh	2.94 Lakh/Year
11	Safety Equipment	-	10.00 Lakh	2.00 Lakh/Year
12	Post EC Monitoring	-	-	2.50 Lakh/Year
13	Dry Waste Management	-	-	5.08 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:**	2 Nos- Lower Basement Parking=2406.56 m2, Upper Basement Parking= 5445.38 m2
	Number and area of podia:	1 No. Area= 12836.18 m2
	Total Parking area:	51826.60m2
	Area per car:	53.48 m2
	Area per car:	53.48 m2
	Number of 2-Wheelers as approved by competent authority:	2418 Nos
	Number of 4-Wheelers as approved by competent authority:	969 Nos
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed Construction Project at S.No 21/3A,21/2B, 21/3B/4A/1/2/1,21/3B/4A/1/3,21/4B/1,21/4B/2, 21/4B/3, 21/4B/4,21/4B/2,21/4C, 21/4D/5A, 21/5B, 22/2, 39/3,Near Bank Of India, DangeChowk, by M/s Shree Sonigara Realcon.

PP submitted their application for expansion of Environmental clearance for total plot

area of 34,250.00 m2, FSI area of 63,871.31 m2, Non FSI area of 76366.08 m2 and total BUA of 1,40,237.39 m2. PP proposes to construct total 25 residential, 2 commercial buildings and 5 Club houses.

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

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

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Submission of Application for Environmental Clearance for Proposed Residential Building on S.No. 62 H NO.1A + 1BKondhwa Khurd, Tal-Haveli, Pune

Is a Violation Case: No

1.Name of Project	Proposed Residential Building on S.No. 62 H NO.1A + 1B Kondhwa Khurd, Tal-Haveli, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinay Chugera
4.Name of Consultant	Vke Environmental LLP
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 62 H NO.1A + 1B Kondhwa Khurd, Tal-Haveli, Pune
9.Taluka	Haveli
10.Village	Kondhwa KH
Correspondence Name:	Mr. Vinay Chugera
Room Number:	Office No. 5
Floor:	2nd Floor
Building Name:	Lara Appartments
Road/Street Name:	Next to Woodland Hotels
Locality:	Sadhu Vaswani Chowk, Camp
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: CC/0162/18, Dated-18/04/2018
	Approved Built-up Area: 54317.36
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	18300 Sqm
16.Deductions	3929.47 Sqm
17.Net Plot area	14370.53 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30845.62
	b) Non FSI area (sq. m.): 23471.74
	c) Total BUA area (sq. m.): 54317.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Applied for IOD
	Approved Non FSI area (sq. m.): Applied for IOD
	Date of Approval: 18-04-2018
19.Total ground coverage (m2)	6807.335
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.20 %
21.Estimated cost of the project	412500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A+B	P+Podium+11	37.20
2	E	P+Podium+11	37.20
3	K	P+Podium+11	37.20
4	C	P+5	18.30
5	D	P+5	18.30
6	F	P+5	18.30
7	G	P+5	18.30
8	H	P+5	18.30
9	I	P+5	18.30
10	J	P+5	18.30
11	L	P+5	18.30
12	M	P+5	18.30
13	Clubhouse	G+1	7.70
14	Clubhouse	G+1	7.70

23.Number of tenants and shops	372
24.Number of expected residents / users	1860
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)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Buiding C,D,F,G,H,I,J,L,M
30.Details of the demolition with disposal (If applicable)	Existing Club House and Swimming pool to be demolished - Disposal will be as per Debris Management Plan

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC/Treated Water from STP
	Fresh water (CMD):	169
	Recycled water - Flushing (CMD):	86
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	264
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	137
Wet season:	**Source of water**	PMC/Treated Water from STP
	Fresh water (CMD):	169
	Recycled water - Flushing (CMD):	86
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	255
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	145
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	50	119	169	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Gardening	9	0	9	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	77	178	255	5	12	17	72	166	238

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	26 m below ground level
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	6
	Size of recharge pits :	1.5 X 1.5 X 1.5 M
	Budgetary allocation (Capital cost) :	7.2 Lakhs
	Budgetary allocation (O & M cost) :	0.7Lakhs / annum
	Details of UGT tanks if any :	Existing : Building C,D,F,G,H,I,J,L,M Domestic : 55 CuM Drinking : 20 CuM Fire : NA Flushing : 39 CuM Proposed : Domestic : 129 CuM Drinking : 50 CuM Fire : 225 CuM Flushing : 89 CuM
35.Storm water drainage	**Natural water drainage pattern:**	Through Gravity
	Quantity of storm water:	0.2356 m3/sec
	Size of SWD:	450 mm wide trench
Sewage and Waste water	**Sewage generation in KLD:**	238 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 Nos. - 260 m3/day
	Location & area of the STP:	Locations are as per master layout ; 118.00 sqm
	Budgetary allocation (Capital cost):	62.00 Lakh
	Budgetary allocation (O & M cost):	13.42 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	12.00 kg/day
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area & top soil for Landscaping
Waste generation in the operation Phase:	**Dry waste:**	372 Kg/day
	Wet waste:	558 Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	3.8 Cum per day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler (SWaCH) for further handling & disposal purpose
	Wet waste:	Through Mechanical Composter (Smart OWC)
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage & sewage treatment systembe used as manure for Landscaping
	Others if any:	Not applicable
Area requirement:	**Location(s):**	As per master layout
	Area for the storage of waste & other material:	15 sqm
	Area for machinery:	50 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16.75 Lakh
	O & M cost:	4.26 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.0 - 8.5	5.5 - 9.0	6.5 - 9.5
2	Oil & Grease	mg/l	10.0-20.0	<10	<10
3	Biological Oxigen Demand	mg/l	200-250	<10	<50
4	Chemical Oxigen Demand	mg/l	350-450	<50	<50
5	Total Suspended Solid	mg/l	150-200	<10	<20
6	Total Nitrogen	mg/l	40-50	<10	<10
7	Nitrate	mg/l	15-16	<5	<5
8	DissolvePO4	mg/l	13-15	<5	<5
9	Fecal Coliform	MPN/100 ml	10^6	NIL	<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	400 Kva	Diesel 76 lit/hr	1	4	0.152	533ºC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	400KVA- 76litre/hr	400KVA- 76litre/hr
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		Barrels in Closed Tampo		

43.Green Belt Development	**Total RG area :**	1690.65 sqm i.e 10% of net plot area (16906.51 sqm)
	No of trees to be cut :	0
	Number of trees to be planted :	212
	List of proposed native trees :	Maharukh, Kadamb, Fish Tail Palm, Pangara, Kunti, Son Chafa,Sita Asoka, Tamhan, Chiku,Palas, Sitafal
	Timeline for completion of plantation :	6 month after Project Completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	20	Large tree, good for roadside plantation
2	Anthosaphalus kadamba	Kadamb	20	Shady, large tree, ball shaped flowers.
3	Caryota urens	Fish Tail Palm	20	Tall evergreen tree
4	Erythrina indica	Pangara	20	Medium sized deciduous tree. Bright scarlet flowers.
5	Murrayya paniulate	Kunti	20	Small tree, Fragrant white flowers, Butterfly host plant
6	Michela champaca	Son Chafa	20	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Saraca asoka	Sita Asoka	20	Shady tree with red-yellow flowers.
8	Lagestromia flosre genia	Tamhan	20	State flower tree of Maharashtra
9	Manilkara zapota	Chiku	20	Medium sized tree, beautiful purple flowers
10	Butea monosperma	Palas	17	Medium sized deciduous tree. Beautiful orange flowers,
11	Annona squaosa	Sitafal	15	Evergreen Fruit Bearing Tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2

1	Spider Lily	0.23	10
2	Plumeria Alba	1.6	5
3	Nyctanthes Arbortritis	1	5
4	Foxtail Palm	2	10
5	Golden Bamboo	0.45	2.5
6	Hibiscus	0.3	3

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	70 KW
	DG set as Power back-up during construction phase	100 Kva
	During Operation phase (Connected load):	1301 KW - For Proposed + 935 KW - For Existing = 2236 KW
	During Operation phase (Demand load):	802 KVA - For Proposed + 558 KVA - For Existing = 1360 KVA
	Transformer:	Residential (630 KVA X 2 + 315KVA X 1)
	DG set as Power back-up during operation phase:	Residential (400 KVA X 1)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

By Using LED against Conventional CFL - i.e 40.89%
By Using Low Loss Transformer - i.e 8.57%
By Using Solar Water Heater - i.e 75.34%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By Using LED against Conventional CFL	40.89
2	By Using Low Loss Transformer	8.57
3	By Using Solar Water Heater	75.34

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Effluent	Not applicable	STP
Biodegradable waste	Not applicable	OWC
DG Set	Not applicable	Installing DG Set which compiles to CPCB norms

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	71.75 Lakh
	O & M cost:	6.71 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression , Air & Noise Monitoring	0.93
2	Water	Tanker Water For Construction, Water Monitoring	4.90
3	Land	Site Sanitation, Mobile toilets	3.37
4	Land	Site Sanitation, Mobile toilets	3.37

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Incuding external drainage connection, 1 no STP cost considered	62.00	13.42
2	Rain Water Harvesting	Based on GeoHydrology Report, 12 no pit will be provided	7.2	0.7
3	Storm Water Networking	To assure proper disposal of Storm Water	12.75	0.64
4	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	38.45	7.33
5	Landscape	As required by the authorities to help environment	8.46	1.80
6	Energy	With all said energy saving measures like solar panels and solar water heaters	71.75	6.71
7	Environmental Monitoring	Air,Noise,Water,Effluent tests as per government norms	Not applicable	2.95

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	As per Parking & Traffic Management Plan
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	1- 3257.393 Sq.m.
	Total Parking area:	(Covered -Ground parking-7,806.00 sq.m. + Podium parking-2,964.00 sq.m.) + (Uncovered - 452.20 sq.m.) = 11,222.20 Sq.m.
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	555
	Number of 4-Wheelers as approved by competent authority:	255
	Public Transport:	Bus Stop is Available
	Width of all Internal roads (m):	6m
	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	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 Submission of Application for Environmental Clearance for Proposed Residential Building on S.No. 62 H NO.1A + 1BKondhwa Khurd, Tal-Haveli, Pune by Mr. Vinay Chugera.

PP submitted their application for prior Environmental clearance for total plot area of 54317.36 Sq. Mtrs, BUA of 54317.36 Sq. Mtrs and FSI area of 30845.62 Sq. Mtrs. PP proposes to construct 12 no. of residential & commercial building +2 club houses.

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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Environment Clearance for Project Proposed Residential & Commercial 'Nirmaan Aasamant', proposed residential Scheme at S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial 'Nirmaan Aasamant', proposed residential Scheme at S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prakash Chavan
4.Name of Consultant	VK:e Environmental LLP , Pune
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project has been granted environmental clearance vide letter SEAC-2013/C.R.488/TC-2 Dated - 6th October, 2015
8.Location of the project	S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group.
9.Taluka	Haveli
10.Village	Kondhva Budruk
Correspondence Name:	Mr. Prakash Chavan
Room Number:	NA
Floor:	NA
Building Name:	Vastushre Complex
Road/Street Name:	Hyde Park Road
Locality:	Market Yard
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area: 11344.44
13.Note on the initiated work (If applicable)	Residential Wings A & B and C (12 bungalows) exist on site as per EC recieved
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19,200 m2
16.Deductions	2565.17 m2
17.Net Plot area	14535.94 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25155.55 m2
	b) Non FSI area (sq. m.): 20498.11 m2
	c) Total BUA area (sq. m.): 45653.66
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11344.44 m2 as per part sanction
	Approved Non FSI area (sq. m.): 10226.96 m2 as per part sanction
	Date of Approval: 27-03-2017
19.Total ground coverage (m2)	3312.96 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.7 % on net plot area
21.Estimated cost of the project	1130000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	3P+16 floors	49.9 m
2	Building B	2P+16	49.9m
3	Building C (bugalows)	G+1	7.9m
4	Building D	4P+22	79.5m
5	D WING – Commercial	G	4.5m
6	Bungalow 2	G+1	7.9 m
7	Bungalow 3	G+1	7.9 m

23.Number of tenants and shops	Residential : 264 flats Bungalows : 12 Owners Bungalows : 2 Total Residential Tenements: 278 Commercial :11 shops
24.Number of expected residents / users	Number of Residential Population: 1390 Number of Commercial Population: 102 Total Population: 1492
25.Tenant density per hectare	144 Tenement/hectare; 724 Tenants/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide road from the nearest fire station to the project. Nearest fire station: Ganj Peth fire station. Nearest Fire Station Distance : 4 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender, 6 m wide internal driveway & 9m turning radius will be provided.
29.Existing structure (s) if any	Residential Wings A & B and C (12 bungalows) are constructed.
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):	127 m3 /day
	Recycled water - Flushing (CMD):	65 m3 /day
	Recycled water - Gardening (CMD):	25 m3 /day
	Swimming pool make up (Cum):	1 m3 /day
	Total Water Requirement (CMD) :	218 m3 /day
	Fire fighting - Underground water tank(CMD):	200 m3 /day
	Fire fighting - Overhead water tank(CMD):	20 KLD for each building
	Excess treated water	90 m3 /day
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	127 m3 /day
	Recycled water - Flushing (CMD):	65 m3 /day
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	1 m3 /day
	Total Water Requirement (CMD) :	193 m3 /day
	Fire fighting - Underground water tank(CMD):	200 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD for each building
	Excess treated water	115 m3 /day
Details of Swimming pool (If any)	Volume of Swimming pool : 93.6 m3 Water requirement for make up : 1 kld Quality to be achieved for swimming pool water :Parameters to be monitored :The below parameters of the swimming pool water after treatment will be maintained as follows: Free Chlorine : 0.3 to 0.8 PPM Total Chlorine : Less than 1 PPM. Combine Chlorine : Less than 0.2 PPM. pH : 7.2 to 7.4 Turbidity Level : 0.5 J.T.U Ozone Dosage : 0.05 Mg/Litres Budgetary Allocation per annum Capital cost Rs. 32,00,000/- O & M cost Rs. 4,80,000/-	

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:**	Pre Monsoon- 12 Mt.- 15 Mt. below ground level. Post Monsoon- 4 - 5 Mt. below ground level.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Nos. of recharge pits with bores proposed: 7 No
	Size of recharge pits :	3 Nos. of 5.0 m. X 3.0 m. X 2.0 m and 4 Nos. of 2.0 m. X 2.0 m. X 2.0 m
	Budgetary allocation (Capital cost) :	Rs. 11,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 2,00,000/-
	Details of UGT tanks if any :	Domestic Tank : 188 m3 Flushing Tank: 60 m3 Fire Fighting : 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	465.9 cum/hr
	Size of SWD:	300mm
Sewage and Waste water	**Sewage generation in KLD:**	Sewage generation (CMD): 180 m3/day
	STP technology:	Moving Bed Biological Reactor
	Capacity of STP (CMD):	200 KLD
	Location & area of the STP:	On ground.
	Budgetary allocation (Capital cost):	Rs. 18,00,000/-
	Budgetary allocation (O & M cost):	Rs. 4,00,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 12 kg/day -Wet waste (Kg/day): 18 kg/day -Total waste generated: 30 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	293
	Wet waste:	427
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	18 kg /day
	Others if any:	E-waste: 3 kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SwaCH.
	Wet waste:	Will be treated in Organic Waste Converter (OWC).
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total 72 sqm.
	Area for machinery:	Total 72 sqm.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 13,30,560/-
	O & M cost:	Rs 3,69,000/-

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1 RG area 1710.11 sqm 2. Total Landscape area – 2903 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	242
	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	Peltophorum pterocarpum	Copper pod	19	Tall deciduous tree. Good for roadside plantation.
2	Pongamia pinnata	Karanj	4	Shady tree
3	Azadiracta indica	Neem	16	Large tree, good for roadside plantation
4	Ficus benjamina	Weeping fig	19	Good for roadside plantation.
5	Michelia champaca	Sonchapha	15	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant.
6	Millingtonia hortensis	Indian cork tree	30	A columnar, evergreen tree grows well in both dry and moist regions.
7	Erythrina indica	Pangara	8	Medium sized deciduous tree, bright scarlet flowers.
8	Caryota urens	Fish tail palm	19	Tall evergreen Palm tree
9	Largerstromia flos-regineae	Taman	10	State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers.
10	Syzizium cumini	Jamun	16	A large size tree with dense foliage provides shade along road
11	Mangifera indica	Mango	8	Good for roadside plantation and provide shade.
12	Albizia lebbeck	Pimpal	12	Fast growing deciduous tree with large spreading crown
13	Spathodia campanulata	Pichkari	10	A handsome large deciduous tree. Good for road side plantation.
14	Anthocephalus cadamba	Kadamb	33	Shady, large tree, ball shaped flowers
15	Terminalia catappa	Badam	16	Small deciduous, fruit bearing
16	Plumeria alba	Champa	10	Ornamental flowering shrub.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (M.S.E.D.C.L.)
	During Construction Phase: (Demand Load)	45 kW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	1992.42 KW
	During Operation phase (Demand load):	1086.01 KVA
	Transformer:	2 nos. of 630 kvA
	DG set as Power back-up during operation phase:	1 DG set of 160 kvA each 1 DG set of 62.5 kvA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving measures
•As per the prevailing trend we propose to use a cost effective green building solutions as far as possible.
•We propose to opt for LED lamps for common areas.
•We propose to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use.
•We propose to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting.
•Street lighting will be designed to improve night visibility through glare reduction and also reduce sky-glow.
•We propose to use all the pumping station in nighttime to have a less tariff of MSEB. We can provide a real time clock circuit to control the pump starters and couple the same with the water level controller.
•We propose to use common solar hot water system to reduce the electricity load.
•As per the green standard we shall design the internal lighting so that minimum light escapes the building periphery so as to claim the light pollution credit.
•The UPS can be charged using solar panels to avail the renewable energy credit.
•All common areas & plants like STP, WTP etc will separate KWH meters to measure energy consumption independently.
•All equipments like Transformers, DG sets, UPS etc will be use of high efficiency to reduce the power loss.
%-age of Saving : 7.72

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	As per the prevailing trend we propose to use a cost effective green building solutions as far as possible. •We propose to opt for LED lamps for common areas. •We propose to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use. •We propose to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting. •Street lighting will be designed to improve	As per the prevailing trend we propose to use a cost effective green building solutions as far as possible. •We propose to opt for LED lamps for common areas. •We propose to install motion sensors, Timers & daylight sensors for common area lighting to ensure Automatic Lighting Shutoff of common lighting when areas are not in use. •We propose to use stand-alone solar powered lamps for common area lights, external, street lights & landscape lighting. •Street lighting will be designed to improve

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:**	83,40,000/- and 11,61,600/-
	O & M cost:	8,34,000/- and 1,16 ,160/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Environment Management	Environment management cell	1,42,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Energy Saving	Solar Water Heater and Solar PV cells	83,40,000/- and 11,61,600/-	8,34,000/- and 1,16 ,160/-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Pashan. Site is accessible from 30 m road from west side. For internal traffic movement 6m wide driveway will be proposed.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	2 level
	Total Parking area:	8111.22 sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	647
	Number of 4-Wheelers as approved by competent authority:	367
	Public Transport:	NA
	Width of all Internal roads (m):	Width of all Internal roads: 6 m, Turning radius: 9 m.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building and construction project
	Court cases pending if any	-
	Other Relevant Informations	Project proposes residential and commercial building at Kondhva Budruk.
	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 Environment Clearance for Project Proposed Residential & Commercial 'Nirmaan Aasamant', proposed residential Scheme at S no. 19/1/1A/1A/1 & 19/1/2 at Kondhva Budruk, Pune by M/s. Nirmaan Group.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 19200.00 Sq. Mtrs, BUA of 45653.66 Sq. Mtrs and FSI area of 25155.55 Sq. Mtrs. PP proposes to construct 3 no. residential & commercial buildings +4 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

*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 CFO NOC.
2) PP to upload STP details.

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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Environment Clearance for Proposed Residential & Commercial Project at Sr. no. 12 , Dhanori, Pune By M/s. Krisna Nirmaan Skyscraper LLP

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sunil Rameshwardas Agarwal
4.Name of Consultant	Vke:Environmental LLP , Pune.
5.Type of project	Residential & Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Earlier EC Earlier EC Number: SEAC-2010/CR.893/TC.2
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. The project has been granted environmental clearance vide letter SEAC-2010/CR.893/TC.2
8.Location of the project	At - Sr. n. 12, Dhanori Pune
9.Taluka	Haveli
10.Village	Dhanori
Correspondence Name:	Mr. Sunil Rameshwardas Agarwal
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	1 New Bazar
Locality:	Khadaki
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	Excavation & Construction work as per old EC was initiated by previous developer.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	24000
16.Deductions	2478.59(DP road+reservation) Balance plot area- 21521.41
17.Net Plot area	18343.20
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 47125.21
	b) Non FSI area (sq. m.): 39502.49
	c) Total BUA area (sq. m.): 86627.70
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 16-07-2018
19.Total ground coverage (m2)	6295.43
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.32
21.Estimated cost of the project	1380650960.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	B+G+P+13	42.9
2	Wing B	B+G+P+13	42.9
3	Wing C	B+G+P+13	42.9
4	Wing D	B+G+P+13	42.9
5	Wing E	B+G+P+13	42.9
6	Wing F	B+G+P+13	42.9
7	Wing G	B+G+P+13	42.9
8	Wing H	B+G+P+13	42.9
9	Commercial Bldg.	G+M+3	15

23.Number of tenants and shops	Residential- 568 no of tenement Commercial- 15 no of Offices , 5 no. of Showrooms
24.Number of expected residents / users	Residential- 2840 no. of residents Commercial- 166 no. of commercial users
25.Tenant density per hectare	236/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 road from nearest fire station is 60.0 m wide DP road. Nearest fire station- PCMC fire station- 6 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender 9m turning radius will be provided.
29.Existing structure (s) if any	Construction work as per old EC was initiated by previous developer.
30.Details of the demolition with disposal (If applicable)	Old structure demolished.

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):	270
	Recycled water - Flushing (CMD):	132
	Recycled water - Gardening (CMD):	19
	Swimming pool make up (Cum):	6.0
	Total Water Requirement (CMD) :	427
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 per building
	Excess treated water	210
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	270
	Recycled water - Flushing (CMD):	132
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6.0
	Total Water Requirement (CMD) :	408
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	20 per building
	Excess treated water	229
Details of Swimming pool (If any)	Swimming pool size 18'.0" X 30'.0" Make up water- 6.0 Kld Pressure Sand Filter Will be used for Swimming Pool Water Filtration.	

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 : 6 m bgl ,Post monsoon : 4.5 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 shafts
	Size of recharge pits :	0.9m x1.5m
	Budgetary allocation (Capital cost) :	Rs. 8,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 90,000/-
	Details of UGT tanks if any :	Domestic water storage =255.6 KLD Commercial water storage= 10 KLD Raw water storage= 127.8 KLD Fire fighting water storage =300 KLD
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours.
	Quantity of storm water:	293.15 m3/day
	Size of SWD:	200mm-600mm
Sewage and Waste water	**Sewage generation in KLD:**	361 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos. of STP's with 220 KLD & 150KLD Capacity
	Location & area of the STP:	On ground, Total Area is STP –I (220KLD) 100 Sq.mtr and STP -II (150KLD) 73 Sq.mtr.
	Budgetary allocation (Capital cost):	STP –I Rs. 70 Lacs and STP –II Rs. 50 Lacs Total- 1.20 Cr.
	Budgetary allocation (O & M cost):	STP –I Rs. 5.0 Lacs and STP –II Rs. 4.0 Lacs Total- 9 Lacs/year
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 maximum 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:**	593 kg/day
	Wet waste:	869 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	123 kg/day
	Others if any:	E-waste- 4.3 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to Swach for further handling & disposal purpose
	Wet waste:	Wet waste will be treated through 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:	E-waste-Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	16 sq. mt.
	Area for machinery:	64 sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25,75,000/-
	O & M cost:	Rs. 5,92,101 /-

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 :**	2152.14Sq.mt.
	No of trees to be cut :	0
	Number of trees to be planted :	273 no.
	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	Bahuniaracemosa	Apta	19	Every part of the plant is medicinal,Drought tolerant species.
2	Roystonia regia	Bottle palm	04	Medicinal value, Edible leaves.
3	Aeglemarmelos	Bel	13	Medicinal value ,Drought tolerant species.
4	Putrnjivaroxburghii	Putrnjiva	20	Medicinal value, Drought tolerant species
5	Gmelinaarborea	Shivan	14	Medicinal value, Drought tolerant species, Bird attracting species.
6	Mimosupselengii	Bakul	22	Fragrant flowers, Medicinal value, To control soil erosion.
7	Nyctanthusarbortristis	Parijatak	24	Fragrant flowers, Medicinal value
8	Erythrinaindica	Pangara	20	Fragrant flowers, Drought tolerant species, Birds attracting
9	Albizialebek	Shirish	09	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
10	Cordiadichotoma	Bhokar	08	Medicinal value, Edible fruits
11	Bauhiniablackiana	Kanchanraj	08	Every part of the plant is medicinal, Drought tolerant species.
12	Ficusglomerata	Umber	08	Medicinal value, Edible fruits, Bird attracting species
13	Buteamonosperma	Palas	04	Medicinal value, Bird attracting species , To control soil erosion.
14	Syzygiumcumini	Jamun	08	Medicinal value, Edible fruit.
15	Anthocephaluskadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
16	Azardirachtaindica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
17	Dalbergiasissoo	Shisav	08	Medicinal value, Bird attracting species

18	Ficusarnottiana	Payar	07	Drought tolerant species, Bird attracting species. To control soil erosion.
19	Bauhiniapurpurea	Gulabikanchan	08	Every part of the plant is medicinal ,Drought tolerant species.
20	Ficusretusa	Nandruk	08	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
21	Pongamiapinnata	Karanj	08	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
22	Mangiferaindica	Mango	08	Edible fruit, Bird attracting species.
23	Micheliachampaca	Sonchafa	09	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
24	Phyllanthusemblica	Awala	08	Medicinal value, To control soil erosion.
25	Cassiafistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
26	Saracaindica	Sita-ashok	08	Medicinal value, Drought tolerant species.
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	0	0

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 X 125 KVA
	During Operation phase (Connected load):	3872 KW
	During Operation phase (Demand load):	1829 KW
	Transformer:	3 nos. X 630 KVA
	DG set as Power back-up during operation phase:	2 X 180 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV Panels
Timer logic controller
Electronic V3F drive for lifts
Solar water heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels, Timer logic controller, Electronic V3F drive for lifts , Solar water heater	15.6

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	122.05 Lac
	O & M cost:	4.16 Lac

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	22.13
2	Land	Labour Camp Toilets & Sanitation	4.80

3	Health and Safety	Labour Safety Equipments and Training	4
4	Health & Safety	Disinfection and Health Check-ups	0.51
5	Environment Management	Environmental Monitoring	1.85
6	Environment Management	Environment ManagementCell	1.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 nos of STP's -MBBR Technology	120.0	9.0
2	Solid Waste Management	SM 50	25.75	5.92
3	Landscaping	Development and Maintenance	44.54	7.13
4	Rain Water Harvesting	5 Recharge shafts	8.00	0.9
5	Energy Saving	Solar PV panels	122.05	4.16
6	Environmental Monitoring	-	0	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:	Proposed site is located at Dhanori. The road network within the site has been deigned to cater to the traffic loads of the project

Parking details:	**Number and area of basement:**	1No. Area- 7343.68 sq.mt.
	Number and area of podia:	1 No. Area- 5374.43 sq.mt.
	Total Parking area:	16608.40 sq.mt.
	Area per car:	Basement- 35 sq. mt. Stilt-30 sq. mt.
	Area per car:	Basement- 35 sq. mt. Stilt-30 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	1273
	Number of 4-Wheelers as approved by competent authority:	955
	Public Transport:	NA
	Width of all Internal roads (m):	6 m. wide internal road 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	8 (a) -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 8 residential wings having 568 flats + 1 commercial building + 1 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 Environment Clearance for Proposed Residential & Commercial Project at Sr. no. 12 , Dhanori, Pune By M/s. Krisna Nirmaan Skyscraper LLP At - Sr. n. 12, Dhanori Pune by Mr. Sunil Rameshwardas Agarwal.

PP submitted their application for prior Environmental clearance for total plot area of 24000.0 Sq. Mtrs, BUA of 86627.70 Sq. Mtrs and FSI area of 47125.21 Sq. Mtrs. PP proposes to construct 6 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 water supply NOC.
2) PP to upload STP details.

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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Proposed Residential & commercial Development at S.No 47(P),Plot No.(1+2)+(A+B), Baner, Tal. - Haveli, Pune By M/s Rahul construction Co.

Is a Violation Case: No

1.Name of Project	Proposed Residential & commercial Development at S.No 47(P),Plot No.(1+2)+(A+B), Baner, Tal. - Haveli, Pune By M/s Rahul construction Co.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Siddharth Kunkulol
4.Name of Consultant	VK:e environmental LLP
5.Type of project	Proposed Residential & commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environment clearance has been obtained vide no. SEAC III-2013/CR-63/TC-3 dated 28th June 2016
8.Location of the project	S.No 47(P),Plot No.(1+2)+(A+B), Baner, Tal. - Haveli, Pune
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mr. Siddharth Kunkulol
Room Number:	'Rahul Capital' C.T.S.No. 115/B,F.P.No. 43/B, Erandawane, Prabhat road pune-411004.
Floor:	1 st floor
Building Name:	'Rahul Capital'
Road/Street Name:	Prabhat road
Locality:	Erandawane
City:	Pune
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	IOD received from PMC dated 14/05/2018
	IOD/IOA/Concession/Plan Approval Number: 0342/18
	Approved Built-up Area: 90577
13.Note on the initiated work (If applicable)	Construction work is in progress as per EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	23300 m2
16.Deductions	3923.70 m2
17.Net Plot area	19376.30 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 48728.87 m2
	b) Non FSI area (sq. m.): 41848.23 m2
	c) Total BUA area (sq. m.): 90577
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 48728.87 m2
	Approved Non FSI area (sq. m.): 41848.23 m2
	Date of Approval: 14-05-2018
19.Total ground coverage (m2)	9106
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	47%
21.Estimated cost of the project	2200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	2P+17	54.60
2	Building B	2P+17	54.60
3	Building C	2P+17	54.60
4	Building D	2P+17	54.60
5	Building E	3P+Amenity floor+20	71.16
6	Building F	G+1	7.90

23.Number of tenants and shops	Residential: 5 residential buildings with 488 flats Commercial :1 Commercial Building with 2 shops
24.Number of expected residents / users	Residential Tenants: 2440 Commercial Tenants: 36
25.Tenant density per hectare	209 Tenements/hectare 1047 Tenants/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Width of the road is 18 m wide. Nearest fire station: Aundh fire station Nearest Fire Station Distance : Approximately 4.60 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Construction work is in progress as per EC 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):	221
	Recycled water - Flushing (CMD):	111 m3/day
	Recycled water - Gardening (CMD):	17 m3/day
	Swimming pool make up (Cum):	1 m3/day
	Total Water Requirement (CMD) :	350 m3/day
	Fire fighting - Underground water tank(CMD):	2,00,000 lit
	Fire fighting - Overhead water tank(CMD):	20,000 lit/building
	Excess treated water	139 m3/day
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	221
	Recycled water - Flushing (CMD):	111 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	332 m3/day
	Fire fighting - Underground water tank(CMD):	2,00,000 lit
	Fire fighting - Overhead water tank(CMD):	20,000 lit/building
	Excess treated water	156 m3/day
Details of Swimming pool (If any)	0.5 kld water will be required for makeup. a) PH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon : 18.33 m bgl Post monsoon : 8.67 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4
	Size of recharge pits :	2.5m x2.5m x 3m
	Budgetary allocation (Capital cost) :	4,00,000/-
	Budgetary allocation (O & M cost) :	40,000/-
	Details of UGT tanks if any :	Total UGT capacity of project : 749 kld
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	180 m3/day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	267 m3/day
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of capacity 300 m3/day
	Location & area of the STP:	On ground , Area required - 150 sqm
	Budgetary allocation (Capital cost):	Rs.62,20,000/-
	Budgetary allocation (O & M cost):	Rs.12,49,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	493 kg/day
	Wet waste:	736 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20.16 kg/day
	Others if any:	E waste: 3.5 kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH.
	Wet waste:	Wet waste: will be treated in Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E waste: Will be handed over to authorized recyclers
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total area: 75 m2
	Area for machinery:	Total area: 75 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.20,75,000/-
	O & M cost:	Rs.4,98,338/-

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 :**	2279.56 m2
	No of trees to be cut :	00
	Number of trees to be planted :	292
	List of proposed native trees :	Please 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	Syzygium cumini	Jambhul Tree	05	A large size tree with dense foliage provides shade along roads; wood is water resistant and attracts a variety of birds.
2	Millingtonia hortensis	Indian cork tree	35	A columnar, evergreen tree, grows well in both dry and moist regions.
3	Lagerstromia flos-regineae	Tamhan	35	Large tree good for stopping soil erosion along canal banks.
4	Pongamia pinnata	Karanj	35	Large tree good for stopping soil erosion along canal banks
5	Azadirachta indica	Neem	35	A medium to large size hardy tree which stand in drought conditions. Air Purifying quality Attain a much larger size in dry regions.
6	Cassia fistula	Bahava	30	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping Fig	20	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	22	Ornamental flowering tree
9	Michelia champaca	Sonchapha	20	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant.
10	Polyathia longifolia	Ashoka	25	Large evergreen tree Effective in decreasing noise pollution.
11	Mangifera indica	Mango	05	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	25	Shady, large tree, ball shaped flowers
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	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	1 DG set of 40 kVA
	During Operation phase (Connected load):	3672 KW
	During Operation phase (Demand load):	1766 kva
	Transformer:	630KVA X 3 NO
	DG set as Power back-up during operation phase:	400 KVA X 1NO
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Using Solar water heating system + Solar PV panels + LED light fittings = 18%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Solar water heating system + Solar PV panels + LED light fittings	18

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. 81,90,300/-
	O & M cost:	Rs. 7,06,515/-

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	17.74/-
2	Land	Labour Camp toilets & sanitation	4.80/-
3	Health & Safety	Labour Safety Equipments and training	4.00/-

4	Environment	Environmental Monitoring	1.82/-
5	Health & Safety	Disinfection and Health Check-ups	0.51/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 STP	62.20/-	12.49/-
2	Solid waste management	1 OWC	20.75/-	4.98/-
3	Landscaping	development & maintenance of green area	7.63/-	0.76/-
4	Rain water harvesting	4 recharge pits	4.00/-	0.40/-
5	Environmental Monitoring	air,water,noise,soil,waste water,OWC mannure	-	1.85/-
6	Renewable energy	Solar Hot Water System & Solar Street light	81.90/-	7.06/-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Baner. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide. Existing access road is 18 m wide.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	9951.00 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	984
	Number of 4-Wheelers as approved by competent authority:	571
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Residential & commercial Development at S.No 47(P),Plot No.(1+2)+(A+B), Baner, Tal. - Haveli, Pune By M/s Rahul construction Comp.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 23300.0 m2, BUA of 90577 m2 and FSI area of 48728.87 m2. PP proposes to construct 6 no. residential & commercial buildings.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit 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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Proposed Residential Project at S. No. 16/3 Punawale, Tal. Mulshi, Pune. By M/s. Bharat Developers

Is a Violation Case: No

1.Name of Project	Proposed Residential Project at S. No. 16/3 Punawale, Tal. Mulshi, Pune. By M/s. Bharat Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr.Preyesh Deshwani
4.Name of Consultant	Vke:Environmental LLP , Pune
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At S. No. 16/3 Punawale, Tal. Mulshi, Pune
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr.Preyesh Deshwani for M/s. Bharat Developers
Room Number:	201
Floor:	NA
Building Name:	Jhamtani Impression
Road/Street Name:	Near Ganesh Hotel
Locality:	Punawale
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: 00
	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.)	7550
16.Deductions	For Road widening -353.58 sqm. Balance Plot Area 7196.42sqm. Deductions for -(Open space+Road widening) =1073.22 Sq.mt
17.Net Plot area	6476.78 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16062.11
	b) Non FSI area (sq. m.): 20836.52
	c) Total BUA area (sq. m.): 36898.63
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 06-07-2018
19.Total ground coverage (m2)	1839.11
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29% (On Net Plot Area)
21.Estimated cost of the project	650000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1 BUILDING	3P+11 floors	42.00
2	A2 BUILDING	3P+11 floors	42.00
3	B BUILDING	3P+11 floors	42.00
4	C BUILDING	3P+11 floors	42.00
5	D BUILDING	3P+11 floors	42.00
6	E BUILDING(MHADA)	G+4	14.95
7	Club House	G+1	7.5

23.Number of tenants and shops	Tenements: 243 flats
24.Number of expected residents / users	Residential: 1215
25.Tenant density per hectare	Tenement :322/ 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)	15 mtr wide (Nearest Fire Station (1.82km)-Life Republic Fire Station)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m.
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	109
	Recycled water - Flushing (CMD):	55
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	170
	Fire fighting - Underground water tank(CMD):	375
	Fire fighting - Overhead water tank(CMD):	20 Each Building
	Excess treated water	72 CMD
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	109
	Recycled water - Flushing (CMD):	55
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	164
	Fire fighting - Underground water tank(CMD):	375
	Fire fighting - Overhead water tank(CMD):	20 Each Building
	Excess treated water	78 CMD
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 4.10 m. bgl, Pre monsoon 8.10 m. bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	Recharge Pit = 2x2x2 m. , Bore well 0.180 meter diameter and 60 meter depth , silting chamber 1x1x1
	Budgetary allocation (Capital cost) :	RS- 3,09,000/-
	Budgetary allocation (O & M cost) :	RS-30,000/-
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	436.36 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	148
	STP technology:	Constructed Wetland Technology
	Capacity of STP (CMD):	150
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs- 75,00,000/-
	Budgetary allocation (O & M cost):	Rs- 5,00,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 (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:**	243 kg/day
	Wet waste:	365 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	E-Waste = 608 kg/year

Mode of Disposal of waste:	**Dry waste:**	Will be Handed Over to authorized vendor
	Wet waste:	Will be treated in onsite organic waste converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	E-waste- Will be handed over to authorized recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	12 sqm.
	Area for machinery:	30 sqm.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12,75,000/-
	O & M cost:	Rs. 2,68,272/-

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 :**	719.64 sqm.
	No of trees to be cut :	NA
	Number of trees to be planted :	Required Trees: 90 nos, Provided Trees : 112 nos.
	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	Cassia Fistula	Amaltas	24	Medium Sized deciduous Tree . A beautiful tree for small garden.
2	Millingtonia Hortensis	Buch	05	Medium sized evergreen tree . Attract birds to its fragrant flowers .
3	Mimusops elengi	Bakul	04	Large sized evergreen tree .The flowers are a key source for some of the nesting space for birds .
4	Neolamarkia Kadamb	Kadamb	05	Large sized deciduous tree .it atracts butterfly.
5	Albizia Lebeck	Siris	04	Large sized deciduous tree .The tree has a graceful appearance and beautiful folliage .
6	Bauhinia vartiegata	Kachnar	12	Small Sized deciduous tree. It is suitable for road side planting.
7	Manilkara Zopato	Chikoo	05	Medium Sized deciduous Tree .It is suitable for planting along the road
8	Putranjiva Roxburghii	Putranjiva	17	Medium Sized evergreen Tree. A good avenue tree for medium-sized road.
9	Pongamia pinnata	Indian Beech Tree	10	Tree is well suited. To intense heat and sunlight and its network of lateral route makes its draught tolerant
10	Peltophorum	Copper Pod	05	It is deciduous tree growing to 15-25m. Tall tree. The tree has graceful appearance and beautiful follage and yellow flowers.
11	Delonix regia	Gulmohar	06	It is deciduous tree growing to 10-15m. The wood is mainly used for fuel.
12	Azadiracta Indica	Neem	05	Neem is fast growing tree that can reach a height of 15-20m.It is deciduous tree and the branches are wide and spreading . Good for air purification
13	Grevillea robusta	Silver Oak	05	Its leaves produce an alleopathic substance that inhibits the establishment and development of native species .It is one of the most important trees for agroforestry

14	Swietenia macrophylla	Mahogany	05	It is a medium sized semi-evergreen tree growing . Very rare due to harvesting.It is regarded as the worlds finest timber for high-class furniture and cabinet work. It is grown as an ornamental trees in various parts of india
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	Medium shrubs	0.45m	585 no.s
2	Large shrubs	0.90m	150 no.s

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	15 kW
	DG set as Power back-up during construction phase	20 KVA
	During Operation phase (Connected load):	1613 KVA
	During Operation phase (Demand load):	819 KVA
	Transformer:	1 No. Of 630 kVA + 1 No. Of 315 kVA
	DG set as Power back-up during operation phase:	1 DG set 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:

Total Energy Saving : i.e.386.92 KW (19.87 % Savings)
Energy saving due to solar :i.e.322.50KW (19.72 % Savings)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saved using LED	20.56
2	Energy saved from External Lighting	1.86

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. 9,54,800/-
	O & M cost:	Rs. 47,740/-

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	1.2
2	Land	Labour Camp toilets & sanitation	2.40
3	Health and Safety	Labour Safety Equipments and training	4.0
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	Engineered Constructed Wetland (ECW)	70	5
2	Solid Waste Management	Solid Waste Management	12.75	2.68
3	Landscaping	Development and Maintenance	1.13	0.11
4	Rain Water Harvesting	Recharge pits with bore well	3.09	0.30
5	Energy Saving	Energy Saving Features	9.54	0.47
6	Environmental Monitoring	-	-	0.84

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 is in Punewale, with the internal roads of 6m having turning radius of 9 m.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7170 sq.m.
	Area per car:	12.5 sq.m.
	Area per car:	12.5 sq.m.
	Number of 2-Wheelers as approved by competent authority:	486 nos.
	Number of 4-Wheelers as approved by competent authority:	198 nos.
	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 Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	The project is situated in Punawale, with 6 buildings and a club house having 243 tenaments.
	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 S. No. 16/3 Punawale, Tal. Mulshi, Pune. By M/s. Bharat Developers.

PP submitted their application for prior Environmental clearance for total plot area of 7550.00 Sq. Mtrs, BUA of 36898.63Sq. Mtrs and FSI area of 16062.11 Sq. Mtrs. PP proposes to construct 6 no. of residential buildings +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 CFO NOC.
2) PP to submit NOC for sustainable water supply and 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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Environment Clearance for Proposed residential & commercial project at Plot No.3/3/A Phase 3 Rajiv Gandhi Infotech Park Hinjewadi, Pune by Hubtown Ltd.

Is a Violation Case: No

1.Name of Project	residential & commercial project
2.Type of institution	Private
3.Name of Project Proponent	Hubtown Ltd
4.Name of Consultant	Vke environmental
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	at Plot No.3/3/A Phase 3 Rajiv Gandhi Infotech Park Hinjewadi, Pune
9.Taluka	Mulshi
10.Village	Hinjewadi
Correspondence Name:	Mr. Sudhir Kulkarni
Room Number:	816, Sacred World,South Block, Wanowrie,, Pune, Maharashtra 411040
Floor:	816, Sacred World,South Block, Wanowrie,, Pune, Maharashtra 411040
Building Name:	816, Sacred World,South Block, Wanowrie,, Pune, Maharashtra 411040
Road/Street Name:	816, Sacred World,South Block, Wanowrie,, Pune, Maharashtra 411040
Locality:	Wanowrie
City:	Pune
11.Area of the project	MIDC Hinjewadi
12.IOD/IOA/Concession/Plan Approval Number	under process
	IOD/IOA/Concession/Plan Approval Number: under process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No Construction work has been initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	9800
16.Deductions	0
17.Net Plot area	9800
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19575.24 m2
	b) Non FSI area (sq. m.): 14086.61 m2
	c) Total BUA area (sq. m.): 33662
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 01-08-2018
19.Total ground coverage (m2)	3286.73 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33 % of net plot area
21.Estimated cost of the project	1000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Building 1	P +21	68.30 m
2	Residential Building 2	P +21	68.30 m
3	Commercial Building	G+2	11.55 m

23.Number of tenants and shops	No. of tenements : 336 No.of shops: 16
24.Number of expected residents / users	Residential: 1680 , Commercial: 124
25.Tenant density per hectare	343 Tenements/hectare 1714 Tenants/hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 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	No structures exists on site
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**	MIDC Hinjewadi
	Fresh water (CMD):	154
	Recycled water - Flushing (CMD):	79
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	244
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	10,000 lit
	Excess treated water	101
Wet season:	**Source of water**	MIDC Hinjewadi
	Fresh water (CMD):	154
	Recycled water - Flushing (CMD):	79
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	234
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	10,000 lit
	Excess treated water	110
Details of Swimming pool (If any)	2 kld water will be required for makeup a) PH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	0	0	Not applicable	0	0	Not applicable	0	0
Gardening	Not applicable	0	0	Not applicable	0	0	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon : 6.15 m below ground level. Post Monsoon : 3.15 m below ground level
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	4
	Size of recharge pits :	2 m x 2m x 2 m
	Budgetary allocation (Capital cost) :	23,00,000/-
	Budgetary allocation (O & M cost) :	2,64,000/-
	Details of UGT tanks if any :	Total UGT capacity including domestic,Raw water, Flushing & fire tank is 518 kld
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	7.7 m3/min
	Size of SWD:	300
Sewage and Waste water	**Sewage generation in KLD:**	210
	STP technology:	MBBR
	Capacity of STP (CMD):	225 kld
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	61,70,000/-
	Budgetary allocation (O & M cost):	10,11,412/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	From labours: 20 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	355
	Wet waste:	516
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	24.6 kg/day
	Others if any:	E - waste: 2.6 kg/day

Mode of Disposal of waste:	**Dry waste:**	will be handed over to SWaCH.
	Wet waste:	will be treated in Organic Waste Converter (OWC).
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure.
	Others if any:	E waste: Through authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total OWC area: 47 sqm
	Area for machinery:	Total OWC area: 47 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16,75,000 /-
	O & M cost:	4,06,876/-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5 to 8.5	7.0 to 8.0	Not applicable
2	BOD	mg/l	250-350	<10	Not exceed 10 mg/l
3	COD	mg/l	250-400	<30	Not exceed 100 mg/l
4	SS	mg/l	600-750	100	Not exceed 50 mg/l
5	Feacal coliform	MPN/100	1000000 - 10000000	Below identification	Not applicable
6	E Coli	MPN/100	25 -30	Nil	Not applicable
7	Oil & Grease	mg/l	10-30	<5	Not applicable
8	Nitrogen	mg/l	20-50	<5	Not applicable
9	Phosphate	mg/l	10-50	<5	Not applicable
10	Total Dissolve solids	mg/l	1000-1100	<1000	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 :**	980 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	133
	List of proposed native trees :	Please 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	Bahuhinia variegata	Kanchan	31	Flowering shed tree
2	Mimusops elengi	Bakul	25	Fragrant flowering & shed tree
3	Lagerstroemia flos reginae	Tamhan	5	official state flower
4	Michella champaca	Son chafa	21	Fragrant flowering plant
5	Emblica officinalis	Awala	03	Fruit bearing tree that attracts birds
6	Cassia fistula	Amaltas	21	Brilliant seasonal flowering
7	Caryota urens	Fish tail palm	17	Low leaf fall
8	Aegle marmelos	Belpatra	02	Medicinal and religious plant
9	Morus alba	Mulberry	03	Fruit bearing tree that attracts birds
10	Psidium guajava	Guava	03	Fruit bearing tree that attracts birds
11	Syzigium cumini	Jamun	02	Fruit bearing tree that attracts birds
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	56.25 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1972.30 KW
	During Operation phase (Demand load):	999.81 KW
	Transformer:	630 KVA X 2
	DG set as Power back-up during operation phase:	380 KVA X 1
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	25 lit/flat/day
2	Solar PV	11.50 KW

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	Not applicable	STP
Organic waste	Not applicable	OWC
Noise due to DG set	Not applicable	Acoustic enclosure and canopy

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16,00,000/-
	O & M cost:	67,000 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	8,14,158.75/-
2	Land	Labour Camp toilets & sanitation	4,80,000/-
3	Health & Safety	Labour Safety Equipments and training	4,00,000/-
4	Environment	Environmental Monitoring	1,85,600/-
5	Health & Safety	Disinfection and Health Check-ups	51,000/-

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	61,70,000/-	10,11,412/-
2	Solid waste management	1 OWC	16,75,000 /-	4,06,876/-
3	Landscaping	Development & maintenance of landscape	17,00,000/-	2,40,000/-
4	Rain water harvesting	4 RWH pits	2,67,120/-	20,000/-
5	Environmental Monitoring	Air, soil,noise,water,waste water,OWC mannure	-	1,82,500/-
6	Renewable energy	Solar PV & hot water	16,00,000/-	67,000/-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Hinjewadi. The road network within the site has been designed to cater to the traffic loads of the project.Internal driveways are 6 m wide. Existing access road is 20 m wide

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6573.30 m2
	Area per car:	18.8 sqm
	Area per car:	18.8 sqm
	Number of 2-Wheelers as approved by competent authority:	80
	Number of 4-Wheelers as approved by competent authority:	350
	Public Transport:	NA
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Building & construction project
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-01-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Application for Prior environmental clearance for Residential construction project at Plot no. R-3/3/A, Phase III, Rajiv Gandhi Infotech Park, hinjewadi, Phase III Pune.by **M/s.Hubtown Ltd.**

PP submitted their application for prior Environmental clearance for total plot area of 9800 Sq. Mtrs, BUA of 29537.82 Sq. Mtrs and FSI area of 19597.68 Sq. Mtrs. PP proposes to construct 3 no. residential building and 1 no 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

*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 affidavit that till sustainable disposal of treated waste water is envisaged, no occupation will be given.

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 27, 2018

Subject: Environment Clearance for "Bhoirwadi Plot A1" Proposed Group Housing Scheme on S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057 by M/s. Rama Synergy Spaces.

Is a Violation Case: No

1.Name of Project	"Bhoirwadi Plot A1" Proposed Group Housing Scheme on S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jitendra Sunderdas Punjabi. M/s. Rama Synergy Spaces.
4.Name of Consultant	VK environment LLP
5.Type of project	Residential project. (Group Housing Scheme)
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057
9.Taluka	Mulshi
10.Village	Bhoirwadi
Correspondence Name:	Mr. Jitendra Sunderdas Punjabi. M/s. Rama Synergy Spaces.
Room Number:	Rama Group,
Floor:	10th Floor,
Building Name:	Rama Equator
Road/Street Name:	Near Samrat Chowk
Locality:	Near Samrat Chowk
City:	Pune - 411018.
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: In process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	In process
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	In process
15.Total Plot Area (sq. m.)	21,025.92 sq mt
16.Deductions	2,107.87 sq m for open space.
17.Net Plot area	18,918.05 sq mt
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 28322.72
	b) Non FSI area (sq. m.): 34455.80
	c) Total BUA area (sq. m.): 62778
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 04-07-2018
19.Total ground coverage (m2)	3244.78 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.15% (of Net Plot area)
21.Estimated cost of the project	1130220000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	P+14	44.85
2	Building B	P+14	44.85
3	Building C	LP+UP+14	44.85
4	Building D	P+14	44.85
5	Building E	P+10	32.85
6	Building F	G+0	4.95
7	Parking Building	LP+UP+3	12.15

23.Number of tenants and shops	499 Flats Shops: 11
24.Number of expected residents / users	Residential: 2495, Commercial: 212
25.Tenant density per hectare	1187
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Irrigation Department
	Fresh water (CMD):	229
	Recycled water - Flushing (CMD):	118 KLD
	Recycled water - Gardening (CMD):	28 KLD
	Swimming pool make up (Cum):	1 KLD
	Total Water Requirement (CMD) :	376
	Fire fighting - Underground water tank(CMD):	200 KLD for all buildings
	Fire fighting - Overhead water tank(CMD):	5 KLD for each building
	Excess treated water	151 kld
Wet season:	**Source of water**	Irrigation Department
	Fresh water (CMD):	229
	Recycled water - Flushing (CMD):	118 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0.5 KLD
	Total Water Requirement (CMD) :	348
	Fire fighting - Underground water tank(CMD):	200 KLD for all buildings
	Fire fighting - Overhead water tank(CMD):	5 KLD for each building
	Excess treated water	179 kld
Details of Swimming pool (If any)	Volume of Swimming pool : 126.32 m3 Water requirement for make up : 1 kld Details of Plant & Machinery used for treatment of Swimming Pool water: Quality to be achieved for swimming pool water :Parameters to be monitored :The below parameters of the swimming pool water after treatment will be maintained as follows: Total Chlorine : Less than 1.5 PPM. pH : 7.2 to 7.4 Budgetary Allocation per annum. Capital cost Rs. 6,22,648.48 /- O & M cost Rs. 9300/- per month	

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 water level 6.5 m bgl Pre monsoon water level 7.5 m 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 :	1m x 1m x and 4m below storm-water inlet level with 60 m bore well
	Budgetary allocation (Capital cost) :	5,05,000/-
	Budgetary allocation (O & M cost) :	55,000/-
	Details of UGT tanks if any :	2,00,000 ltrs = Fire 2,39,500 ltrs = Domestic Water 44,000 ltrs = Drinking Water 60,000 ltrs = Raw water
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to recharge & Overflow/surplus water from the recharge pit will be discharged into storm water Nala.
	Quantity of storm water:	14.335 m3/minute
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Waste water 295 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	312 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	1,15,000,00/-
	Budgetary allocation (O & M cost):	23,000,00/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	From labors 20 kg/day.
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	530.8 kg
	Wet waste:	769.7 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15 kg/day
	Others if any:	E-waste- 4 kg/day

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in organic Waster Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge form STP will be used in manure.
	Others if any:	E waste will be given to authorized recycler
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	40 sqm
	Area for machinery:	24 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	27,75,000/-
	O & M cost:	5,14,558/-

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 :**	2164.00 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	200
	List of proposed native trees :	Please 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	Syzygium cumini	Jambhul Tree	08	A large size tree with dense foliage provides shade along roads; wood is water resistant and attracts a variety of birds
2	Caryota urens	Fish Palm tree	23	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree
3	Nyctanthes arbor-tristis	Parijatak	12	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree
4	Azadirachta indica	Neem	10	A medium to large size hardy tree which stand in drought conditions. Air Purifying quality Attain a much larger size in dry region
5	Pongamia pinnata	Karanj	20	Large tree good for stopping soil erosion along canal banks
6	Cassia fistula	Bahava	11	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping Fig	12	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	16	Ornamental flowering tree
9	Michelia champaca	Sonchapha	12	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant.
10	Polyathia longifolia	Ashoka	07	Large evergreen tree Effective in decreasing noise pollution.
11	Mangifera indica	Mango	10	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	10	Shady, large tree, ball shaped flowers
13	Mimusops elengi	Bakul	14	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree creates shade
14	Neolamarckia cadamba	Kadamb	10	Fragrant flowers and leaves. Attracts birds and bees. Evergreen tree creates shade

15	Saraca asoca	Sita Ashoka	9	Fragrant flowers and leaves. Attracts birds and bees. Deep green and shiny foliage.
16	Putranjiva roxburghii	Putranjiva	08	Dark green. Shiny leaves. Moderate sized evergreen tree.
17	Peltophorum pterocarpum	Peltophorum	08	Medium sized semi deciduous tree. Attracts birds, butterflies, bees. Spreading crown
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited
	During Construction Phase: (Demand Load)	115.63 KW
	DG set as Power back-up during construction phase	1 x 250 KVA
	During Operation phase (Connected load):	2709.69 KW
	During Operation phase (Demand load):	1176.90 KW
	Transformer:	2 x 630 KVA + 1 x 315KVA
	DG set as Power back-up during operation phase:	1 x 250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

using solar hot water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	using solar hot water	25 liter/flat/day

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:**	70 lacs
	O & M cost:	6.0 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 Environment	Erosion Control- dust suppression measures, barricading and top soil preservation	4.72
2	Land	Labor Camp toilet & sanitation	1
3	Health and safety	Labor Safety Equipment's and train	2
4	Environment	Environmental Monitoring	0.30
5	Health and safety	Disinfection and health checkups	0.45
6	Environmental Management	Environmental Monitoring Cell	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	1 STP	115	23
2	Solid Waste Management	1 OWC	27.75	5.15
3	Landscaping	Development and maintenance of green area	36.65	.28
4	Rain water harvesting	4 pits	5.5	0.55
5	Environmental Monitoring	Air, water, noise, soil, waste water, OWC manure	-	1.85

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located in Bhoirwadi. The road network within the site has been designed to carter to the traffic loads of the project. Internal driveways are 6m wide. Existing access road is 15 m wide

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5360 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	777
	Number of 4-Wheelers as approved by competent authority:	261
	Public Transport:	Nil
	Width of all Internal roads (m):	6 mts
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2 category
	Court cases pending if any	no court case pending
	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 "Bhoirwadi Plot A1" Proposed Group Housing Scheme on S. No. 41/6 Plot A1 at Bhoirwadi, Taluka Mulshi Dist. Pune 411057 by M/s. Rama Synergy Spaces by Mr. Jitendra Sunderdas Punjabi. M/s. Rama Synergy Spaces.

PP submitted their application for prior Environmental clearance for total plot area of 21025.92Sq. Mtrs, BUA of 62778 Sq. Mtrs and FSI area of 28322.72 Sq. Mtrs. PP proposes to construct 6 no. of residential building + parking 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 72nd 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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for New Building Construction Project

Is a Violation Case: No

1.Name of Project	Proposed Affordable Housing Scheme EWS/LIG along with convenient shopping in Sector 12 by PCNTDA, under PMAY
2.Type of institution	TOR
3.Name of Project Proponent	Pimpri Chinchwad New Town Development Authority (PCNTDA) through Shri. Prabhakar Vasaikar
4.Name of Consultant	Ultra-Tech
5.Type of project	Residential Project with convenient shops
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	Spine Road, Sector 12, PCNTDA, Pune 411044
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	Executive Engineer Prabhakar Vasaikar
Room Number:	--
Floor:	6th floor
Building Name:	New Administrative Building
Road/Street Name:	Near Akurdi Railway Station
Locality:	Akurdi
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	PCNTDA DCR
	IOD/IOA/Concession/Plan Approval Number: Provisional sanction for 2,18,912.77 sq m FSI received from PCNTDA dated 03.02.2018
	Approved Built-up Area: 290158.50
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.)	93496.50
16.Deductions	0
17.Net Plot area	93496.50
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,18,912.77
	b) Non FSI area (sq. m.): 71,245.73
	c) Total BUA area (sq. m.): 290158.50
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2,18,912.77
	Approved Non FSI area (sq. m.): 71,245.73
	Date of Approval: 03-02-2018
19.Total ground coverage (m2)	24,072.69
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.55
21.Estimated cost of the project	7650000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	DPR 1 Type A, 5 buildings	G+11	34.35
2	DPR 1, Type A1, 6 buildings	P+11	34.35
3	DPR 1, Type B, 2 buildings	G+11	34.35
4	DPR 1, Type B1, 2 Buildings	P+11	34.35
5	DPR 1, C Type, 4 buildings	G+11	34.35
6	DPR 1, C1 Type, 5 buildings	P+11	34.35
7	DPR 2 Type A, 2 buildings	G+11	34.35
8	DPR 2, Type A1, 9 buildings	P+11	34.35
9	DPR 2, Type B1, 1 Buildings	P+11	34.35
10	DPR 2, C Type, 1 buildings	G+11	34.35
11	DPR 2, C1 Type, 8 buildings	P+11	34.35
12	TOTAL 45 BUILDINGS	-	-

23.Number of tenants and shops	4883 flats and 140 shops
24.Number of expected residents / users	24,415 residential, 785 Commercial
25.Tenant density per hectare	522
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Sant Tukaram Nagar Fire Station, Pimpri Chinchwad through 30 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Not Any
30.Details of the demolition with disposal (If applicable)	Not Any

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):	2221
	Recycled water - Flushing (CMD):	1111
	Recycled water - Gardening (CMD):	204
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	3536
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	1350
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	2221
	Recycled water - Flushing (CMD):	1111
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	3332
	Fire fighting - Underground water tank(CMD):	1200
	Fire fighting - Overhead water tank(CMD):	20 m3 per building
	Excess treated water	1554
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	2221	2221	Not applicable	444.2	444.2	Not applicable	1776.8	1776.8
Domestic	Not applicable	1111	1111	Not applicable	222.8	222.8	Not applicable	888.8	888.8
Gardening	Not applicable	204	204	Not applicable	204	204	Not applicable	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon: 12-15 m BGL, Post monsoon 5-7 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	30 Nos.
	Size of recharge pits :	2 X 2 X 1.5m
	Budgetary allocation (Capital cost) :	45 Lakh
	Budgetary allocation (O & M cost) :	1.5 lakh/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum): PROJECT 1: 2363.5 PROJECT 2: 2351.7 Total: 4715.24 Flushing tank Capacity (cum): PROJECT 1: 881.75 PROJECT 2: 783.92 Total: 1665.67 Fire UG tank Capacity (cum): PROJECT 1: 600 PROJECT 2: 600 Total: 1200
35.Storm water drainage	**Natural water drainage pattern:**	Towards South
	Quantity of storm water:	0.81 m3/sec and 0.737 m3/sec on either side of road
	Size of SWD:	900 mm hume pipe for each side
Sewage and Waste water	**Sewage generation in KLD:**	2665
	STP technology:	MMBR
	Capacity of STP (CMD):	2 Nos of STPs, PROJECT 1: 1.6 MLD, PROJECT 2: 1.3 MLD
	Location & area of the STP:	PROJECT 1: 508.54 sq m, Near Southernmost side of project PROJECT 2: 620.41 sq m, Near Open space
	Budgetary allocation (Capital cost):	3.4 cr
	Budgetary allocation (O & M cost):	150.87 lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	2,02,381 m3 excavation
	Disposal of the construction waste debris:	Debris will be used within site for filling and road construction and levelling. Approx. 5994 m3 excess debris will be temporarily stored on adjacent land owned by the Project Proponent. Municipal waste from labour will be handed over to local body for safe disposal.
Waste generation in the operation Phase:	**Dry waste:**	5001 kg/day
	Wet waste:	7402.5 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	417 kg/day
	Others if any:	E waste: 36 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to PCMC
	Wet waste:	Treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Treated in OWC and used for gardening excess will be handed over to nearby nurseries
	Others if any:	E waste will be handed over to authorised agency
Area requirement:	**Location(s):**	PROJECT 1: Near STP PROJECT 2: Near High School Reservation
	Area for the storage of waste & other material:	PROJECT 1: 270 sq m PROJECT 2: 228 sq m
	Area for machinery:	included in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	160 lakh
	O & M cost:	21 lakh/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesle	Not applicable	Diesel	Diesel
41.Source of Fuel		Authorised dealer		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development	**Total RG area :**	Mandatory RG area: 9,349.6 sq m
	No of trees to be cut :	Existing trees: 67 ,No. of trees to be transplanted: 05, No. of trees to be cut: 52 (All Babhul), No of trees to be retained: 10
	Number of trees to be planted :	1280
	List of proposed native trees :	Native trees are proposed
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia purpurea	Kanchan	60	Large flowers, large, Evergreen.
2	Ficus religiosa	Pimpal	55	It is a glabrous, large tree mostly covered with epiphytes. It has characteristic milky latex. The bark of the tree is light grey in colour and peels off easily in patches.
3	Erythrina indica	Pangara	55	Medium sized deciduous tree, bright scarlet flowers
4	Cassia fistula	Bahava	55	Medium sized deciduous tree. Beautiful yellow flowers, butterfly host plant.
5	Citrus reticulate	Santra	55	Medium sized fruit bearing tree.
6	Psidium guajava	Peru	50	Medium sized fruit bearing tree.
7	Azardiracta indica	Neem	50	Large tree, good for roadside plantation. Medicinal
8	Mimuso pselengi	Bakul	50	Large tree good for road side plantation.
9	Cassia glauca	Cassia	50	Tall shrub with yellow flowers.
10	Bauhinia blackania	Hong Kong orchid	50	Large deciduous tree, flowers attract many birds.
11	Dillenia indica	Karmal	50	Large deciduous tree.
12	Bauhinia recemosa	Apta	50	Ornamental tree
13	Albizzia lebbek	Shirish	50	Shady, large tree, ball shaped flowers.
14	Butea monosperma	Palas	50	Small deciduous tree. Dark orange colored flowers. Good for roadside plantation.
15	Nyctanthes arbortristis	Parijatak	50	Small deciduous tree. Small white colored, fragrant flowers.
16	Anthocephalus cadamba	Kadamb	50	Shady, large tree, ball shaped flowers.
17	Lagerstromia speciosa	Taman	50	State flower tree of Maharashtra, medium sized tree, beautiful purple colored flowers.
18	Michelia champaca	Pivala chafa	50	Medium sized, evergreen tree, fragrant yellow flowers, butterfly host plant.

19	Swetania mohagani	Mohagani	50	Medium sized evergreen tree.
20	Saraca indica	Sita Ashok	50	Evergreen medicinal plant
21	Pterospermum acerifolium	Muchkund	40	Medium sized evergreen tree. Fragrant flowers.
22	Mangifera indica	Mango	40	Small deciduous fruit bearing tree.
23	Peltophorum afracanum	Copper pod	40	Tall deciduous tree. Good for roadside plantation.
24	Syzygium cumini	Jambhul	40	Large tree with large spreading crown.
25	Terminalia arjuna	Arjun	40	Large deciduous tree. Large spreading crown.
26	Ailanthus exeslsa	Maharukh	10	Shady tree, road side
27	Ficus retusa	Nandrukh	10	Shady tree, road side
28	Pongamia pinnata	Karanj	10	Shady tree, road side
29	Murraya paniculata	Kunti	10	Small tree, frangrant flower, butterfly host plant
30	Gmelia arborea	Shivam	10	Fast growing tree with yellow flowers
31	--	Total	1280	--
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)	PROJECT 1: 318 kVA, PROJECT 2: 319 kVA
	DG set as Power back-up during construction phase	PROJECT 1: 315 kVA, PROJECT 2: 315 kVA
	During Operation phase (Connected load):	PROJECT 1:8,445.36 kVA, PROJECT 2:8,297.05 kVA Total: 17,142.41 kVA
	During Operation phase (Demand load):	PROJECT 1:5,074.67 kVA, PROJECT 2:4,849.67 kVA Total: 9,924.34 kVA
	Transformer:	PROJECT 1: 630 kVA X 16 PROJECT 2: 630 kVA X 16
	DG set as Power back-up during operation phase:	PROJECT 1: 100 kVA X 2 Nos., 160 kVA X 2 Nos., 200 kVA X 2 Nos., 250 kVA X 1 Nos., 320 kVA X 1 Nos., PROJECT 2: 160 kVA X 2 Nos., 125 kVA X 1 Nos., 250 kVA X 4Nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Solar water heating: 30.39%
Solar PV: 0.91%
Use of LED for internal and external lighting: 1.18%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heating	30.90%
2	Solar PV	0.91%
3	Use of LED for internal and external lighting	1.18%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	MMBR 2 Nos.
OWC	Not applicable	2 Nos.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1016.88 lakh
	O & M cost:	20.34 lakh/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	2.16
2	Air	Air & Noise Monitoring	0.48
3	Water	Tanker Water For Construction	1.44
4	Water	Water Monitoring	0.60
5	Land	Site Sanitation- Mobile toilets	6.00
6	Biological	Gardening Set Up and top soil preservation	16.26
7	Socio- Economic Environment	Disinfection- Pest Control	1.80
8	Socio- Economic Environment	First Aid	0.48
9	Socio- Economic Environment	Health Check Up	1.00
10	Socio- Economic Environment	Creches For Children	6.00
11	Socio- Economic Environment	Personal Protective Equipment	6.13

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	340.00	150.87
2	Rain Water Harvesting	RWH pit	45.00	1.50

3	Solid Waste Management	OWC	160.0	21.0
4	Green Belt Development	Landscape development	1626.5	144.57
5	Solar energy	Solr water heating	58.5	5.85
6	Solar energy	Solar PV	915.56	48.83
7	Environmental Monitoring	From MoEf&CC approved laboratory	0	17.64

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
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	35971
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	3317
	Number of 4-Wheelers as approved by competent authority:	2347
	Public Transport:	PMPML Yashwant Nagar Bus Stop
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 Km
	Category as per schedule of EIA Notification sheet	B1
	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

Environmental Clearance for new Building Construction Project at Spine Road, Sector 12, PCNTDA, Pune 411044 by Pimpri Chinchwad New Town Development Authority (PCNTDA) through Shri. Prabhakar Vasaikar.

PP submitted their application for prior Environment Clearance for total plot area of 93496.50 m2, BUA of 290158.50 m2 and FSI area of 2,18,912.77 m2. PP proposes to construct 45 no. of residential building having maximum height of 34.35 m.

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 submit site management plan showing adequate number of toilets for labour.

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-3)

SEAC Meeting number: 74 **Meeting Date** October 27, 2018

Subject: Environment Clearance for Residential cum Commercial project, Kolhapur

Is a Violation Case: No

1.Name of Project	Hirashree lake city
2.Type of institution	Private
3.Name of Project Proponent	Krishnat S. Patil
4.Name of Consultant	Terracon Ecotech Pvt. Ltd., India
5.Type of project	Housing 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	R.S. No.1110A/1, A ward, Kolhapur, Maharashtra
9.Taluka	Karvir
10.Village	NA
Correspondence Name:	Krishnat S. Patil
Room Number:	-
Floor:	-
Building Name:	C.S. No. 1025, E ward, Balaji Chambers
Road/Street Name:	Rajaram Road
Locality:	-
City:	Kolhapur
11.Area of the project	Yes, Kolahpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plan Approval
	IOD/IOA/Concession/Plan Approval Number: Town planning/ Building/ Permission/S. R. Ward/ A-58, 15-16
	Approved Built-up Area: 19059.37
13.Note on the initiated work (If applicable)	yes, as per approval received from ADTP kolhapur
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	29600
16.Deductions	2850
17.Net Plot area	26750
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 41695.16
	b) Non FSI area (sq. m.): 34963.58
	c) Total BUA area (sq. m.): 76658.74
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19059.37
	Approved Non FSI area (sq. m.): -
	Date of Approval: 30-05-2015
19.Total ground coverage (m2)	9374.13
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32
21.Estimated cost of the project	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A&B	LG+G+10 floors	33.66
2	C, D, E, F, G, H	LG+G+8 floors	27.6
3	Row bungalows (24 nos)	G+1	6.625
4	NA	NA	NA

23.Number of tenants and shops	Residential: 454 nos, Shops: 24 nos
24.Number of expected residents / users	2270 nos residential and 242 comm.
25.Tenant density per hectare	154
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	yes
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	KMC
	Fresh water (CMD):	228
	Recycled water - Flushing (CMD):	132
	Recycled water - Gardening (CMD):	22
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	369
	Fire fighting - Underground water tank(CMD):	280000 L
	Fire fighting - Overhead water tank(CMD):	20000 L each building
	Excess treated water	169
Wet season:	**Source of water**	KMC
	Fresh water (CMD):	228
	Recycled water - Flushing (CMD):	132
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	369
	Fire fighting - Underground water tank(CMD):	280000 L
	Fire fighting - Overhead water tank(CMD):	20000 L each building
	Excess treated water	185
Details of Swimming pool (If any)	yes swimming pool is provided on ground	

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:**	10 m
	Size and no of RWH tank(s) and Quantity:	Rainwater recharge pits- 5 nos
	Location of the RWH tank(s):	nil
	Quantity of recharge pits:	5 recharge pits
	Size of recharge pits :	1mx1mx3m
	Budgetary allocation (Capital cost) :	3500000
	Budgetary allocation (O & M cost) :	350000
	Details of UGT tanks if any :	yes, UG tanks for fresh water, fire fighting and Flushing provided
35.Storm water drainage	**Natural water drainage pattern:**	towards north, east and northeast
	Quantity of storm water:	0.3 m3/s
	Size of SWD:	600 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	324
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of capacity 300 m3/day provided, 40 m3/day STP proposed
	Location & area of the STP:	on ground, 250 m2 area provided
	Budgetary allocation (Capital cost):	5600000
	Budgetary allocation (O & M cost):	250000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste and debris
	Disposal of the construction waste debris:	Will be disposed as per district collectors guidelines
Waste generation in the operation Phase:	**Dry waste:**	472 kg/day
	Wet waste:	710 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 KLD
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized vendor
	Wet waste:	will be composted on site
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be composted on site
	Others if any:	NA
Area requirement:	**Location(s):**	on ground
	Area for the storage of waste & other material:	238 m2
	Area for machinery:	60 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	3000000
	O & M cost:	1100000

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 :**	3242.94 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	380
	List of proposed native trees :	Bakul, Karanj, Bahava, Chafa, Sonchafa, pimpal, ashok, jarul, gulbhendi, pimprani, umber, apta, karambal,vavali, ganer,limba, ankol, shisav, palas, hirda, ritha,sukanu etc.
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	DILLENIA INDIA	KARAMBAL	20	EVERGREEN
2	BAUHINEA RACEMOSA	APTA	15	EVERGREEN
3	MICHELIA CHAMPACA	SOAN CHAFA	10	EVERGREEN
4	CRATEVA RELIGIOSA	VAYVARNA	10	ORNAMENTAL
5	PLUMERIA RUBRA	CHAFA	12	EVERGREEN
6	SARACA ASOCA	SITA ASHOK	15	EVERGREEN
7	MITRAGYNA PARVIFOLIA	KALAMB	10	EVERGREEN
8	CASSIA FISTUIA	BAHAVA TREE	10	ORNAMENTAL
9	MIMUSOPS ELENGI	BAKUL	15	EVERGREEN
10	MILLINGTONIA HORTENSIS	INDIAN CORK TREE	18	EVERGREEN
11	TERMINALIA CHEBULA	HIRDA	20	EVERGREEN
12	CERBERA MANGHAS	SUKANU	10	ORNAMENTAL
13	FICUS RELIGIOSA	UMBER	5	ORNAMENTAL
14	FICUS RELIGIOSA	PIMPAL	10	ORNAMENTAL
15	SYZYGIUM CUMINI	JAMBHUL	8	EVERGREEN
16	THESPESIA POPULNEA	GULBHENDI	8	EVERGREEN
17	PTEROSPERMUM ACERIFOLIOM	MUCHKUNDA	10	EVERGREEN
18	LAGERSTROMIA REGINAE	JARUL	9	ORNAMENTAL
19	FICUS AMPLISSIMA	PIMPARNI	8	ORNAMENTAL
20	HOLOPTELEA INTEGRIFOLIA	VAVALI	10	ORNAMENTAL
21	COCHLOSPERMUM RELIGIOSUM	GANER	12	ORNAMENTAL
22	AZADIRACHTA INDICA	LIMBA	10	EVERGREEN
23	SAPINDUS LAURIFOLIUS	RETHA	15	ORNAMENTAL

24	BUTEA MONOSPERMA	PALAS	15	ORNAMENTAL
25	DALBERGIA SISSOO	SHISAV	10	ORNAMENTAL
26	PONGAMIA PINNATA	KARAJ	10	ORNAMENTAL
27	TAMARINDUS INDICA	CHINCHA	10	ORNAMENTAL
28	ALANGIUM SALVIFOLIA	ANKOL	20	ORNAMENTAL
29	PROSPOPIS CINERARIA	SHAMI	15	ORNAMENTAL
30	MADHUCA INDICA	MOHA	20	ORNAMENTAL
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	8 kW
	DG set as Power back-up during construction phase	yes
	During Operation phase (Connected load):	1.348 MW residential, and comm 215 kW amenity
	During Operation phase (Demand load):	1 MVA residential and comm, 136 kVA amenity
	Transformer:	315 kVA and 500 kVA
	DG set as Power back-up during operation phase:	50 kVA and UPS backup for lift
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar hot water for 95 % demand and Solar PV panels to generate 13.5 kWp energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar hot water, Solar PV panels, Efficient lighting design, Shading devices, AAC blocks	Solar PV panel -13.5 kWp, Solar hot water for 95% of demand

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:**	7000000
	O & M cost:	120000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust suppression	Water spray	1.2
2	Safety	PPE	1.5
3	Environmental Monitoring	Air, Noise, Water, Soil	3.5
4	Disinfection & Site Sanitation	water supply + solidwaste management + toilet facility	2.83
5	Health Checkup	-	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	Rain Water Harvesting	Storage and recharge pits	35	3.5
2	Solid waste management	OWC	30	11
3	Solar	PV panels and Hot water	70	1.5
4	Sewage Treatment Plant	MBBR	56	25
5	tree plantation	saplings and plantation	28.7	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:	one junction to the 18 m DP road

Parking details:	**Number and area of basement:**	7930.38 m2
	Number and area of podia:	NA
	Total Parking area:	15654 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	748
	Number of 4-Wheelers as approved by competent authority:	524
	Public Transport:	yes
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a
	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

Residential cum Commercial project at R.S. No.1110A/1, A ward, Kolhapur, Maharashtra by Krishnat S. Patil.

PP submitted their application for prior Environment Clearance for total plot area of 29600 m2, BUA of 76658.74 m2 and FSI area of 41695.16m2. PP proposes to construct 8 no. of residential building and 24 bungalows .

The **violation 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

After deliberation, Committee Hereby accords approval to the Terms of Reference for proposed 'Construction for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) including all above points for further discussion and consideration of SEAC as per MoEF& CC Notification dated 14/03/2017 and 8/03/2018. PP requested for time to submit above information.

Specific Conditions by SEAC:

1) PP to submit details of treatment /disposal of solid waste as per prevailing norms.
2) PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already.
3) PP to submit ecological damage assessment in terms of embodied energy and global sectors with LCA approach and with applicable coefficient ultimately reporting in terms of cost
4) PP to submit detailed report on CSR activities in consultation with project affected people.
5) PP to resubmit traffic impact study.
6) PP to submit the Plan showing alignment of storm water drain, the depth along with chambers and final disposal point & section through the internal road. showing place left for planting of trees. Sewage water drain internal road and space left between, building & internal Road.
7) PP to submit Side specific EMP giving proper details and required the step taken for corrective action and who will of look after the same.
8) PP to submit Socio -economic infrastructure within vicinity land specially existing primary school, market hospital etc.
9) PP to submit NOC,s for Water supply, Disposal of solid waste, sewage connection to Municipal sewer pipeline. And CFO NOC.
10) PP to submit energy saving calculations.
11) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line &spaces left for plantation, parking, service lines, foot paths, etc.
12) PP to prepare an Ecological report.
13) PP to submit Project description, its importance and the benefits,
14) PP to submit Project site details (location, top sheet of the study area of 10 km, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
15) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
16) PP to submit Land acquisition status, R&R details,
17) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx& CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
18) PP to submit Details on flora and fauna and socio-economic aspects in the study area
19) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
20) PP to submit Source of water for different identified purposes with the permissions required from the concerned authorities, both for surface water and the ground water (by CGWA) as the case may be, Rain water harvesting, etc,
21) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
22) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules.
23) PP to submit Energy efficient measures (LED lights, solar power, etc) during construction as well as during operational phase of the project.
24) PP to submit Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
25) PP to Submit an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
26) PP to submit the remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
27) PP to submit details of treatment /disposal of solid waste as per prevailing norms.
28) PP to submit Environmental status report clearly mentioning the mitigation measures undertaken already.
29) PP to submit ecological damage assessment in terms of embodied energy and global sectors with LCA approach and with applicable coefficient ultimately reporting in terms of cost.
30) PP to submit details of CER activities in consultation with the people in the project area as per MoEF& CC circular dated 1/05/2018 if applicable.
31) PP to submit an indemnity bond as regards Heritage Status.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.