95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Environment Clearance for Proposed Mixed use Development at S. No. 577/2, 577/3 at Bibewadi, Haveli Taluka, Pune by Jairaj Realty LLP, Pune

Is a Violation Case: No

1.Name of Project	Environment Clearance for Proposed Mixed use Development at S. No. 577/2, 577/3 at Bibewadi, Haveli Taluka, Pune by Jairaj Realty LLP, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jayant Shah by Jairaj Realty LLP
4.Name of Consultant	VK:e Environmental LLP , Pune
5.Type of project	Mixed use project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	S. No. 577/2, 577/3
9.Taluka	Haveli
10.Village	Bibewadi
Correspondence Name:	Mr. Jayant Shah by Jairaj Realty LLP
Room Number:	759/34
Floor:	NA
Building Name:	NA
Road/Street Name:	Bhandarkar road
Locality:	Near PYC Deccan Gymkhana, Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: 000
	Approved Built-up Area: 000
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.)	85,600 m2
16.Deductions	Deduction for road widening: 9320 sqm, Deduction for amenity: 11,442 sqm
17.Net Plot area	64,838.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 198080.09sq m
	b) Non FSI area (sq. m.): 217966.73 sq m
	c) Total BUA area (sq. m.): 416046.82
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: 16-07-2019
19.Total ground coverage (m2)	39614.26 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	61.1%
21.Estimated cost of the project	11265647144

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1	3P+ 27 floors	99.50
2	Tower 2	3P+ 24 floors	90.50
3	Tower 3	4P+ 27floors	99.5
4	Tower 4	3P+ 24 floors	90.50
5	Tower 5	2P+ 25 floors	93.50
6	Tower 6	3P+ 27 floors	99.50
7	Tower 7	2P+ 24 floors	90.50
8	Tower 8	2P+ 17 floors	69.50
9	Office block 1	2P+4 Retails floors+12 floors	61.10
10	Office block 2	2P+4 Retails floors+6 floors	43.10
11	Office block 3	3B+2P+2 Retail floor+12 floors	61.10

23.Number of tenants and shops	Residential tenements: 1139 Offices: 600 Retail shops: 952
24.Number of expected residents / users	Residential Population: 5695 Offices population: 4106 Retail shops population: 6252
25.Tenant density per hectare	Tenant Density 1875/hec. Tenement Density 133/ hec
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station: Gangadham fire station Distance : 0.25 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	Temporary structures exist on site.
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	659
	Recycled water - Flushing (CMD):	407
	Recycled water - Gardening (CMD):	94
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	1165
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	220
	Excess treated water	411
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	659
	Recycled water - Flushing (CMD):	407
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1066
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	220
	Excess treated water	505
Details of Swimming pool (If any)	Total makeup water requirement : 5 kld Details of Plant & Machinery used for treatment of Swimming pool water: 1. Proper filtration through Quartz Sand Filter 2. Ozone / TCCA based Chemical dosing system (Chemicals: Alum & Residual Chlorine) 3. Suction Sweeping Details of quality to be achieved for swimming pool water and parameters to be monitored: 1. pH 7.5 to 8.5 2. Total residual chlorine, mg/l (a) At inlet 0.5 Max (b) At outlet 0.2 Max	

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 6.40 meter Pre monsoon 16.40 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	13 Nos. of recharge pits proposed
	Size of recharge pits :	Pit 2*2*2 meter Bore well 0.160 meter diameter and 60 meter depth silting chamber 1*1*1
	Budgetary allocation (Capital cost) :	13,00,000 /-
	Budgetary allocation (O & M cost) :	13,000 /-
	Details of UGT tanks if any :	Total UGT capacity including residential and commercial 1513832 liter
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:	69.01 cu m per minute
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Total sewage generation 960
	STP technology:	MBBR
	Capacity of STP (CMD):	Three STPs of total capacity of 1010 kld
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	2,08,950,000 /-
	Budgetary allocation (O & M cost):	50,28,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 40 kg/day -Wet waste (Kg/day): 60 kg/day –Total waste generated: 100 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:**	2693 kg/day
	Wet waste:	2744 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	165.77 kg /day
	Others if any:	E-waste : 36 kg/day

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be segregated into recyclable and non-recyclable waste. Non degradable waste will be handed over to “SwaCH” (Co-operative enterprise for waste collection. Dried sludge from STP will be used as manure
	Wet waste:	Biodegradable waste will be treated in Organic Waste Converter. Separate OWCs are proposed for different sectors and amenities.
	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 sent to authorized vendors.
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	220 sq.m
	Area for machinery:	220 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 66,50,000/-
	O & M cost:	Rs 15,22,000/-

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	7868.28 m2
	No of trees to be cut :	Few of the existing trees will be transplanted, other trees will be protected
	Number of trees to be planted :	955
	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	Syzygium cumini	Jambhul tree	45	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	50	A columnar, evergreen tree, grows well both dry and moist regions
3	Lagerstromia flos-regineae	Tamhan	35	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate.
4	Pongamia pinnata	Karanj	40	Large tree good for stopping soil erosion along canal banks
5	Azadirachta indica	Neem	56	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	38	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	55	Ornamental flowering tree
9	Michelia champaca	Sonchapha	45	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Polyathia longifolia	Ashoka	40	Large evergreen tree. Effective in decreasing noise pollution
11	Mangifera indica	mango	60	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	48	Shady, large tree, ball shaped flowers
13	Psidium guajava	Guava, peru	63	Small hardy and birds attracting tree.
14	Jacaranda mimosifolia	Jacaranda	56	Medium size gracious deciduous, flowering tree which prefers moderate climate

15	Khaya senghalis	Khaya	45	Large roadside tree with white sweet scented flowers
16	Spathodia campanulata	Pichkari	50	A handsome large deciduous flowering tree. Good for roadside plantation
17	Bauhinia purpurea	Rakta Kanchan	45	Small hardy tree with beautiful pink flowers
18	Manilkara zapota	Chikoo	61	Small evergreen tree, fruit bearing common in gardens
19	Cocos nucifera	Coconut	45	Large palm, native to western ghats
20	Butea monosperma	Palas	48	Small deciduous, good for road side plantation
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Raphis palm	0.60 m	80.24
2	Allamanda yellow	0.45	88.02
3	Asparagus sprengeri	0.30	38.80
4	Ixora red	0.30	116.62
5	Canna Indica	0.30	37.80
6	Lantana	0.15	138.08
7	Murraya coeniggi	0.60	78.74
8	Hibiscus rosa-sinensis	0.75	112.43
9	Rhoeo	0.15	130.00
10	Catharanthus roseus	0.30	70.00

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)	250 KW
	DG set as Power back-up during construction phase	250 kvA
	During Operation phase (Connected load):	17880 KW
	During Operation phase (Demand load):	13534 kvA
	Transformer:	Residential - 1000 kva- 4 nos. Commercial - 1000 kva - 10 nos.
	DG set as Power back-up during operation phase:	Residential - 500 kva- 2 nos. Commercial - 1010 kva - 11 nos.
	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 : 25 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar pv System	1% of demand load of 13534 kw

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	55,00,000/-
	O & M cost:	5,50,000/-

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	57,48,218/-
2	Land	Labour Camp toilets & sanitation	10,00,000/-
3	Health and Safety	Health checkup & Disinfection	2,25,000/-
4	Environment Management	Environment management cell	3,00,000/-

5	Environmental Monitoring	Environmental Monitoring	2,75,000/-

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	STP	2,08,950,000/-	50,28,000/-
2	Solid Waste Management	OWC	66,50,000/-	15,22,000/-
3	Landscaping	Development and Maintenance	40,37,070/-	4,03,707/-
4	Rain Water Harvesting	Rain Water Harvesting	13,00,000/-	13,000/-
5	Energy Saving	Solar PV panels	55,00,000/-	5,50,000/-
6	Environmental Monitoring	Environmental Monitoring	-	11,50,000/-

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 Bibewadi. For internal traffic movement 6m wide driveway and 9 m turning radius is proposed.

Parking details:	**Number and area of basement:**	3 Nos., 35945 sq. m.
	Number and area of podia:	1 Nos.,39614 sq.m.
	Total Parking area:	117605.65 sq m
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	6795 Nos
	Number of 4-Wheelers as approved by competent authority:	3531 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	Width of all Internal roads: 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(b) Township and Area Development Project
	Court cases pending if any	NA
	Other Relevant Informations	Proposed Mixed use Development is loacetd at Bibewadi
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 85,600 m2, FSI area of 198080.09 m2, Non FSI area of 217966.73 m2 and total BUA of 416046.82 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

Committee informed PP to use model TOR available on the web site of MoEF&CC in addition to the points mentioned below for carrying out EIA studies:

Additional terms of Reference for carrying out EIA studies

1. **Project Description**

1. Project description, its importance and the benefits.

2. Project site details (location, topo-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). Hydro-geological survey report with graphs & data.

3. 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.

4. Land acquisition status, R & R details.

5. Forest and Wildlife and eco-sensitive zones, if any in the study area of 10 km. Any sensitive areas in impact zone such as archaeological structures, reserved forest, noise sensitive zones etc. Clearances required under the Forest (Conservation) Act, 1980, the Wildlife (Protection) Act, 1972 and/or the Environment (Protection) Act, 1986.

6. (G) High Tension wires if any on the plot.

7. (G) Plan showing HFL.

8. (G) Permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed as per earlier EC (if applicable) and proposed development.

9. (G) PP to submit the detailed master plan indicating already completed construction and proposed construction. PP to submit the certificate from architect for completed work

2. **Base Line Data**

10. (B) Baseline environmental study for ambient air (PM_{10}, $PM_{2.5}$, SO_2, NO_x& CO),water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 locations in the study area of 10 km, 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 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.

11. (C) Detail on flora and fauna and socio-economic aspects in the study area. Details of tree cutting, tree transplantation and survival report of existing trees.

12. (C) Likely impact of the project on the environmental parameters (ambient air surface and ground water, land, flora and fauna and socio-economic, etc.)

13. (B) 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.

14. (G) Socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.

15. (G) PP to submit contour map with slopes, drainage pattern of the site and surrounding area. Layout showing natural water courses on site; total runoff calculation before and after development.

16. (C) PP to submit details of existing trees, proposed to be cut, proposed to be transplanted along with tree survival report

3. **Traffic Impact Study in detail including:**

17. (V) Traffic Management Plan for the development – Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc.

18. (V) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken.

19. (V) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions.

20. (V) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.

21. (V) Parking statement mentioning parking as per DCR & parking provided actually.

22. (V) Basement ventilation plan: Fire Tender Movement Plan showing clear road and turning radius. Cross section of roads at four places including UGT, OWC and DG set location showing clear road width and distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

4. **Environmental Impact and Management Plan:**

23. (B) Identify sources of air pollution, indicate mitigation measures to reduce Air pollution/Noise pollution.

24. (G) Debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

25. (B) Management of solid waste and the construction & demolition waste for the project vis-a-vis the Solid Waste Management Rules 2016 and the Construction & Demolition Rules, 2016. Transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E– waste, and debris/excess earth etc. PP to provide the detailed solid waste management plan along with marked locations on the master plan. Design details of waste processing equipment such as OWC/biogas plants confirming to the technical requirements to meet the quality products.

26. (B) Waste water management (treatment, reuse and disposal) for the project and also the study area. Design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions

27. (J) PP to show internal storm water drain and sewer line arrangements up to final disposal point.

28. (C) Provision of mandatory RG area on virgin land and submit the drawing with calculations, ensuring entire mandatory RG is provided on the plot where residential buildings are proposed.

29. (G) A detailed phase wise development plan with safety planning where occupancy has been given.

30. (T) If any site specific structures such as creation of water body, alteration of natural storm water, large alteration of slopes, creation of green areas abutting to water bodies / natural storm water drain / river etc, is involved, detailed environmental protection approach for the same shall be provided.

31. (D) Separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; Energy efficient measures (LED lights, solar power, etc.) during construction as well as during operational phase of the project. Report on ECBC compliance.

32. (D) Provide details of Solar PV and Solar water heater in the specific format. PP to carryout shadow analysis for identifying the roof-top area for providing solar panels

33. (B) Environmental status report including analysis reports of all environmental pollution reduction facilities if any commissioned.

34. (K) PP to submit Disaster management plan

35. (B) Preparation of site specific, executable and auditable environment management plan (EMP)

5. **Environmental Modelling and additional Studies:**

36. (B) Fugitive dust modelling by using local meteorological data.

37. (B) Ecological footprint calculation using LCA approach.

38. (B) Estimation of Carbon footprint of the project.

39. (B) Gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

6. **NOCs, Undertakings and CER:**

40. (T) NOC's required: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.

41. (T) Undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.

42. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

Specific Conditions by SEAC:

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.

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Application for Amendment in Environment Clearance for Residential Project. Earlier EC was issued vide letter number 21-1127/2007-IA III dated 17.08.2009 & EC extension was obtained vide File No. 21-1127/2007-IA.III dated 11.06.2014

Is a Violation Case: No

1.Name of Project	Application for Amendment in Environment Clearance for Residential Project by M/s Naiknavare Pride AOP
2.Type of institution	Private
3.Name of Project Proponent	M/s. Naiknavare Pride AOP through Mrs. Gauri H. Naiknavare
4.Name of Consultant	ULTRA TECH (Environmental Consultancy & Laboratory)
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Existing EC Project - Deletion of plots
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Modernization in project - Deletion of plots. EC was issued vide letter number 21-1127/2007-IA III dated 17.08.2009 & EC extension was obtained vide File No. 21-1127/2007-IA.III dated 11.06. 2014 for total construction area (FSI +Non FSI) of 3,60,965 m2.
8.Location of the project	S.No. 221/3A + 221/3B + 221/1/1 + 221/1/2 + 221/2 + 222/1A + 222/1B + 222/2 + 222/3/1 + 222/3/2 + 223/1 + 223/2 + 223/3 + 223/4/1 + 223/4/2 at Baner, Pune
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Mrs. Gauri H. Naiknavare
Room Number:	1204/4
Floor:	-
Building Name:	-
Road/Street Name:	Ghole Road
Locality:	Shivajinagar
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Building sanction plan vide No. CC/3534/2018 dated 12.02.2019 obtained from Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: CC/3534/2018 dated 12.02.2019
	Approved Built-up Area: 99928.79
13.Note on the initiated work (If applicable)	Yes. Construction has been done as per EC issued vide letter number 21-1127/2007-IA III dated 17.08.2009 & EC extension obtained vide letter File No. 21-1127/2007-IA.III dated 11.06.2014 for total construction area (FSI +Non FSI) of 3,60,965 m2. Plot A & B of 99928.79 m2 area has been constructed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	25871.41 sq.m. (Plot A + B)
16.Deductions	Not applicable
17.Net Plot area	25871.41 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 43165.20
	b) Non FSI area (sq. m.): 56763.59
	c) Total BUA area (sq. m.): 99928.79
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 43165.20
	Approved Non FSI area (sq. m.): 56763.59
	Date of Approval: 12-02-2019
19.Total ground coverage (m2)	4,029.38

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.5%
21.Estimated cost of the project	1680000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Plot A	-	-
2	Building A	B1+B2+S+18	69
3	Building B	B1+B2+S+18	69
4	Plot B	-	-
5	Building A	P + 12	37.20
6	Building B	P + 12	37.20
7	Building C	P + 12	37.20
8	Building D	P + 12	37.20
9	Building E	P + 12	37.20
10	Building F	P + 12	37.20
11	Plot A - Club House	G+1	7.60
12	Plot B- Club House	G+1	6.95

23.Number of tenants and shops	343 Nos.
24.Number of expected residents / users	1715 Nos.
25.Tenant density per hectare	132 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)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes. Construction has been done as per EC issued vide letter number 21-1127/2007-IA III dated 17.08.2009 & EC extension obtained vide letter File No. 21-1127/2007-IA.III dated 11.06.2014 for total construction area (FSI +Non FSI) of 3,60,965 m2. Total construction for the project (Plot A & B) of 99928.79 m2 area has been completed.
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	155
	Recycled water - Flushing (CMD):	78
	Recycled water - Gardening (CMD):	36
	Swimming pool make up (Cum):	10.0
	Total Water Requirement (CMD) :	269
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	92.21
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	155
	Recycled water - Flushing (CMD):	78
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	10.0
	Total Water Requirement (CMD) :	233
	Fire fighting - Underground water tank(CMD):	500
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	131.19
Details of Swimming pool (If any)	Dimension of Swimming Pool: Plot A : Swimming Pool - 20.75m x 5.57m x 1.2m / Kids Pool - 8.72m x 5.57m x 0.65m Plot B : Swimming Pool - 16.6 m x 9.9m x 1.2 m / KIDS POOL 4.8m x 4.8m x 0.65m Total water Requirement in KLD: Plot A – 172.38 Cum Plot B - 212.18 Cum Water requirement for make up in KLD: Plot A : 5.0 m3/day Plot B : 5.0 m3/day Budgetary allocation (Capital cost): Rs. 60.94 Lakhs (O&M cost): Rs. 5.2 Lakhs per annum	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 m to 20 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	09 Nos.
	Size of recharge pits :	a. 1.5 m x 2 m & b. 2 m X 2m X 0.9 m
	Budgetary allocation (Capital cost) :	3.00 Lakhs
	Budgetary allocation (O & M cost) :	0.225 Lakhs per annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 45 cum & 184 cum Drinking UG tank: 10.8 cum Flushing UG tank Capacity: 43.02 cum & 65 cum Fire UG tank Capacity: 2 x 100 cum & 300 cum
35.Storm water drainage	**Natural water drainage pattern:**	NE to SSW direction
	Quantity of storm water:	26.65 m3/min
	Size of SWD:	a. 125 mm wide x 100 mm deep; b. 600 mm wide x 600 mm deep; c. 450 mm wide x 450 mm deep & d. 300 mm wide x 300 mm deep
Sewage and Waste water	**Sewage generation in KLD:**	213
	STP technology:	a. 235 KLD: Extended Aeration Process & b. 45 KLD: SMBR
	Capacity of STP (CMD):	a. STP 1: 235 KLD & b. STP 2: 45 KLD. Total – 280 KLD
	Location & area of the STP:	a. 235 KLD: below ground; Area: 148.09 sq m. & b. 45 KLD: below ground ; Area: 140.58
	Budgetary allocation (Capital cost):	45.12 Lakhs
	Budgetary allocation (O & M cost):	10.50 Lakhs per annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	42623 m3. Quantity of the top soil preserved: 30829 m3
	Disposal of the construction waste debris:	Material was used for back filling and leveling

Waste generation in the operation Phase:	**Dry waste:**	305 kgs/day
	Wet waste:	500 kgs/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	20 kgs/day
	Others if any:	E-waste - 857.5 kgs/year; 2.34 kgs/day
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers (SWaCH)
	Wet waste:	Composted in OWC & used as manure for landscape/greenbelt
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be composted on site & used as manure for landscape/greenbelt
	Others if any:	E waste : Handed over to authorized recyclers (SWaCH)
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	a. 94.3 sq. m & b. 28.0 sq. m.
	Area for machinery:	a. 3.05 sq m & b. 2.23 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	19.18 Lakhs
	O & M cost:	4.5 Lakhs per 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	200 kVA DG Set	Diesel - 30 Lit	1	3.5	0.2	150 deg. Cel.

2	250 kVA DG set	Diesel - 35 Lit	1	3.2	0.2	150 deg. Cel.
3	500 kVA DG Set	Diesel - 65 Lit	1	4.2	0.2	150 deg. Cel.

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		Local vendor		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	3256.80 m2
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	344 Nos. (already planted)
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	Plantation completed

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephallus kadamba	Kadamba	07	Mythological significance Big Shade tree
2	Bauhinia purpurea	Rakta kanchan	29	Purple flowering shade tree
3	Cassia fistula	Amaltas	24	Brilliant Seasonal flowering
4	Dillenia indica	Satvin	122	Evergreen tree, Dense foliage
5	Erythrina variegata	Pangara variegated	15	Native tree; Ornamental
6	Lagerstroemia Flos reginae	Tamhan	37	Official State flower Tree
7	Mangifera indica	Mango tree	01	Official State fruit Tree
8	Michelia champaca	Sonchafa	42	Fragrant Flowering Tree
9	Mimusops elengi	Bakul	19	Fragrant Flowering Tree
10	Morus alba	Mulberry	03	Native fruit bearing Tree attracts birds
11	Plumeria alba	White chafa	12	Evergreen tree ; White flowering tree
12	Psidium guajava	Guava	04	Evergreen tree ; White flowering tree
13	Syzigium cumini	Jamun	05	Fruit bearing Tree attracts birds
14	Tabebuia rosea	Pink tabebuia	20	Large avenue tree
15	Terminalia mantally	Indian christmas tree	04	Low leaf litter ; Ornamental
16	Total	-	344 Nos.	-
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	Allamanda schottii	450mm	25.5
2	Cymbopogon citratus	750 mm	38.0
3	Plumbago capensis	450mm	28.5
4	Lantana sellowiana	450mm	25.0
5	Nerium dwarf variegata	500mm c/c	30.0
6	Meyenia erecta	450mm	25.0
7	Hymenocallis latifolia	450mm	40.0
8	Ocimum sanctum	500mm c/c	20.0
9	Gardenia jasminoides	1500mm	15.0
10	Ixora singaporensis	1200 mm	15.0
11	Murraya exotica	1200 mm	28.0
12	Stachytarpheta indica	750mm	25.0
13	Tabernaemontana coronaria	1500mm	15.0
14	Ravenia spectabilis variegata	1200 mm	25.0
15	Cortadeira selloana	750mm	20.0
16	Hibiscus species mix	900mm	15.0

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 kVA
	DG set as Power back-up during construction phase	45 kVA
	During Operation phase (Connected load):	2540 kW
	During Operation phase (Demand load):	2019 kW
	Transformer:	a. 630 kVA x 3Nos. & b. 630 kVA x 1No
	DG set as Power back-up during operation phase:	a. 200 kVA x 1 No; b. 500 kVA x 1 No. & c. 250 kVA x 1 No
	Fuel used:	Diesel: Quantity – 130 Lit.
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

- Energy savings by LED high efficiency light fittings
- As per MSEDCL requirements, it is recommended to use low loss transformer.
- Losses for Transformer shall, in principal, comply with ECBC norms.
- Recommend to attain power factor of the installation near unity.
- Independent Energy meters for all pollution control equipment's.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy savings by LED high efficiency light fittings	190823 kWh/Annum (4.70 %)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Sets	3 Nos.	-
STP	2 Nos.	-
OWC	2 Nos.	-

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	58.00 Lakhs
	O & M cost:	18.20 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise Environment	Water For Dust Suppression	0.09
2	Air & Noise Environment	Air & Noise monitoring	0.05
3	Water Environment	Tanker water for construction & worker	0.35
4	Water Environment	Water monitoring	0.08
5	Land Environment	Labour toilets 10 Nos. Cleaning 10,000 Rs./month	1.00
6	Biological Environment	Gardening & Excavation	1.6
7	Socio-economic Environment	Disinfection at site	0.30
8	Socio-economic Environment	Safety, First Aid, Health Hygiene Facilities & Health Check Up	0.60
9	Socio-economic Environment	Crèches for children	2.40
10	Socio-economic Environment	Personal Protective Equipment	1.0
11	Total	-	7.47

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 Plan	1 No. x 235 KLD & 1 No. x 45 KLD	45.12	10.5
2	Rain Water harvesting	9 nos. of recharge pits	03	0.225
3	Environmental Monitoring	As per MoEF guidelines	-	0.60
4	Gardening	Plantation of native trees	209.88	10
5	Solid waste	2 nos. of OWC	19.18	4.5

6	Energy	Energy saving measures	58.00	18.20
7	Swimming pool	Main Pool & kid pool in Plot A & B	60.94	5.2
8	Total	-	396.12	49.225

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	01
Parking details:	**Number and area of basement:**	No of basements: 2 Nos & Area: 6542.26 sq.m.
	Number and area of podia:	No. of Podium: 1 No. & Area: 7303.12 sq. m
	Total Parking area:	23744.52 Sq m
	Area per car:	17.4 sq.m. 25 sq.m. And 34.85 sq.m.
	Area per car:	17.4 sq.m. 25 sq.m. And 34.85 sq.m.
	Number of 2-Wheelers as approved by competent authority:	926 Nos
	Number of 4-Wheelers as approved by competent authority:	865 Nos
	Public Transport:	Pune Mahanagar Parivahan Mahamandal Limited
	Width of all Internal roads (m):	6 m to 9m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable

	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	1. Case No. 1806/2009 at Civil Judge Senior Division, Pune. & 2. Case No. 949/2017 at Civil Judge Senior Division, Pune.
	Other Relevant Informations	Project has received the EC issued vide letter number 21-1127/2007-IA III dated 17.08.2009 & EC extension was obtained vide File No. 21-1127/2007-IA.III dated 11.06. 2014 . Now we are applying for amendment in Earlier EC due to deletion of plots.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP had submitted application for amendment in Environmental Clearance for total plot area of 25871.41 m2, FSI area of 43165.20 m2, Non FSI area of 56763.59 m2 and total BUA of 99928.79 m2.

PP holds previous EC vide letter number 21-1127/2007-IA III dated 17.08.2009 for total plot area of 1,58,656.52 m2 and total construction area (FSI +Non FSI) of 3,60,965 m2 on Survey Numbers 221, 222, 223, 224, 225, 226, 228, 229, 230 and 232 at VidhateVasti, Baner, Pune. Further EC extension was obtained vide letter File No. 21-1127/2007-IA.III dated 11.06.2014 for a period of 5 years.

PP informed that the total plot area is reduced from 1,58,656.52 m2 to 25,871.41 m2 and total construction area (FSI + non FSI) is now reduced from 3,60,965 m2 to 99928.79 m2 due to deletion of Survey Numbers 224, 225, 226, 228, 229, 230 and 232 at VidhateVasti, Baner, Pune.

The Plot under consideration now is S. No. 221/3A + 221/3B + 221/1/1 + 221/1/2 + 221/2 + 222/1A + 222/1B + 222/2 + 222/3/1 + 222/3/2 + 223/1 + 223/2 + 223/3 + 223/4/1 + 223/4/2 at VidhateVasti, Baner, Pune.

PP informed that total 99928.79 m2 area (FSI + non FSI) on Plot A & B on S. No. 221/3A + 221/3B + 221/1/1 + 221/1/2 + 221/2 + 222/1A + 222/1B + 222/2 + 222/3/1 + 222/3/2 + 223/1 + 223/2 + 223/3 + 223/4/1 + 223/4/2 has been constructed on till date.

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 amendment in environmental Clearance pursuant to aforesaid deletion of survey numbers and reduction in total build up area overriding pervious EC granted to the PP.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Residential Development"Nyati Ethos-I" at S. No. 21/1A, 21/1B(P), 21/3A/1, 21/3A/2, 21/3A/3,21/3A/4, Mouje Undri, Taluka Haveli, District. Pune.

Is a Violation Case: Yes

1.Name of Project	"Nyati Ethos-I"
2.Type of institution	Private
3.Name of Project Proponent	Nyati Builders Private Limited
4.Name of Consultant	Fine Envirotech Engineers
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	NA
8.Location of the project	S. No. 21/1A, 21/1B(P), 21/3A/1, 21/3A/2, 21/3A/3,21/3A/4, Mouje Undri, Taluka Haveli, District. Pune.
9.Taluka	Haveli
10.Village	Undri
Correspondence Name:	Nyati Builders Private Limited
Room Number:	NA
Floor:	East Wing , 5th Floor
Building Name:	Nyati Unitree
Road/Street Name:	Nagar Road
Locality:	Yerwada
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	PRH/ NASR/ 713/14, dated 24/09/2014 received from Town Planning/ collector, Pune
	IOD/IOA/Concession/Plan Approval Number: PRH/ NASR/713/14
	Approved Built-up Area: 17234.48
13.Note on the initiated work (If applicable)	Total constructed work (FSI area + Non FSI area) -23,316.59 sq.mt. FSI area–12,734.62sq.mt. Non FSI area– 10,581.97 sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	16,150 sq.mt.
16.Deductions	3,443 sq.mt
17.Net Plot area	12,707 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17,234.48 sq.mt (Proposed -4,499.86 sq.mt + Existing-12,734.62 sq.mt.)
	b) Non FSI area (sq. m.): 13,461.29 sq.mt (Proposed -2,879.32 sq.mt + Existing-10,581.97 sq.mt.)
	c) Total BUA area (sq. m.): 30695.77
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17,234.48 sq.mt.
	Approved Non FSI area (sq. m.): 13,461.29 sq.mt.
	Date of Approval: 24-09-2014
19.Total ground coverage (m2)	3,464.03 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.26 %
21.Estimated cost of the project	428700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type A1 (1 no) (Existing+ Proposed)	P+11 (Existing- P+6 and Proposed -Additional 5 Floors)	34.50 m
2	Type A2 (1 no) (Existing)	P+12	37.40 m
3	Type B1 (1 no) (Existing)	P+12	37.40 m
4	Type B2 (1 no) (Existing)	P+12	37.40 m
5	Type B3 (1 no) (Proposed)	P+11	34.50 m
6	Club House (1 no) (Existing)	G+1	7.45 m

23.Number of tenants and shops	Total Tenements -227 nos. (Proposed - 62 nos. + Existing-165 nos.)
24.Number of expected residents / users	Total Residents –1135 nos. (Proposed -310 nos. + Existing - 825 nos.)
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Type A1(P+6), Type A2(P+12), Type B1(P+12), Type B2(P+12), Club House (G+1)
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):	103 kld (Proposed -28 kld. + Existing-75 kld.)
	Recycled water - Flushing (CMD):	51 kld (Proposed -14 kld. + Existing-37 kld.)
	Recycled water - Gardening (CMD):	8 kld
	Swimming pool make up (Cum):	2 Cum
	Total Water Requirement (CMD) :	164 kld
	Fire fighting - Underground water tank(CMD):	375 Cum per Building
	Fire fighting - Overhead water tank(CMD):	20 Cum per Building
	Excess treated water	66 kld
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	103 kld (Proposed -28 kld. + Existing-75 kld.)
	Recycled water - Flushing (CMD):	51 kld (Proposed -14 kld. + Existing-37 kld.)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	2 Cum
	Total Water Requirement (CMD) :	154 kld
	Fire fighting - Underground water tank(CMD):	375 Cum per Building
	Fire fighting - Overhead water tank(CMD):	20 Cum per Building
	Excess treated water	74 kld
Details of Swimming pool (If any)	No. of swimming pool:.1 nos. Area of swimming pool: 112.5 sq.mt Volume of Swimming Tank : 230 cum	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 9 m on an average
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 nos.
	Size of recharge pits :	1.2m X 1.2mX 2.5m
	Budgetary allocation (Capital cost) :	Rs. 9.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.27 Lakhs/annum
	Details of UGT tanks if any :	Fire fighting water tank –375 Cum Raw water tank –23 Cum Domestic water tank –114 Cum Drinking water tank –17Cum Flushing water tank –51 Cum
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drainage design according to contour
	Quantity of storm water:	248 m3/day
	Size of SWD:	600 x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	139 kld (Proposed -38 nos. + Existing-101 nos.)
	STP technology:	MBBR
	Capacity of STP (CMD):	Number -1, 210 kld
	Location & area of the STP:	Area of STP- 123 sq.mt.
	Budgetary allocation (Capital cost):	Rs. 22.02 Lakhs
	Budgetary allocation (O & M cost):	Rs. 12.35 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste materials
	Disposal of the construction waste debris:	Disposal as per rules and regulation of debris management.
Waste generation in the operation Phase:	**Dry waste:**	227 kg/day
	Wet waste:	341 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	20 kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will be used as manure for gardening.
	Others if any:	NA
Area requirement:	**Location(s):**	Near B2, B3 Building
	Area for the storage of waste & other material:	32.16 sq.mt.
	Area for machinery:	26.32 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 13.03 Lakhs
	O & M cost:	Rs. 3.42 Lakhs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	1,615 sq.mt.
	No of trees to be cut :	0
	Number of trees to be planted :	158 nos.
	List of proposed native trees :	Kadamb, Neem, , Bahava, Tamhan, SitaAshoka, Chikoo, Jambhul, Mango and Sitaphal
	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	Acrussapota	Chikoo	08 nos.	A fruit bearing tree good for roadside plantation and attracts birds.
2	Syzygiumcumini	Jam/ Jambhul	08 nos.	A fruit bearing tree good for roadside plantation and attracts birds.
3	Mangiferaindica	Mango	08 nos.	A fruit bearing tree good for roadside plantation and attracts birds.
4	Arthocarpusheterophyllus	Phanus	08 nos.	A fruit bearing tree good for roadside plantation and attracts birds.
5	Murrayapaniculata	Kunti	08 nos.	Blooms throughout year, flowers with excellent fragrance
6	Annona reticulata	Ramphal	08 nos.	A fruit bearing tree good for roadside plantation and attracts birds.
7	Saracaindica	Sita Ashoka	08 nos.	Evergreen tree with rounded crown, hardy tree
8	Khayagrandis	Khaya	08 nos.	A fruit bearing tree good for roadside plantation
9	Mutingiacalabura	Singapore Cherry	08 nos.	Fast Growing, medium size, fruits bearing, attracts birds.
10	Anthocephalluscadamba	Kadamb	08 nos.	Shady tree and large tree with ball shaped flowers
11	Cassia fistula	Bahava	08 nos.	Medium sized deciduous tree, grows in less soil or murum. Full of yellow flowers during summer season.
12	Lagerstromiaflosregineae	Tamhan	07 nos.	Medium Size, grows in dry/ arid climate
13	MicheliaChampaca	Son chafa	08 nos.	Medium sized evergreen tree, fragrant yellow flowers.
14	Ailanthus excelsa	Maharukh	08 nos.	Shady tree, Deciduous, quick growing.
15	Butea monosperma	Palas	07 nos.	Used in forestation of saline & water logged regions
16	Albezzialebbeck	Shirish	08 nos.	Quick growing, hardy, good soil binder, drought tolerant.
17	Cordia	Cordia	08 nos.	Shady tree with Fragrant flowers

18	Azadirachataindica	Neem	08 nos.	Shady tree with Medicinal properties, quick growing, good air purifier.
19	Pongamiapinnata	karanj	08 nos.	It is larval host for butterflies. Nitrogen fixing plants.
20	Bauhinia	Kanchan	08 nos.	Grows in less soil, drought resistant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1520 KW (1689 KVA)
	During Operation phase (Demand load):	686 KW (763 KVA)
	Transformer:	22KV / 630 KVA – 2 Nos.
	DG set as Power back-up during operation phase:	200 KVA DG Set - 1 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Savings in KWH Using Solar PV , Hot Water & LED Lighting Details , Sensor	21.4 %
2	Savings in KWH For Solar Hot Water & Solar Power	16.7 %

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.36.30 Lakhs
	O & M cost:	Rs. 1.13 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air and Noise	Site Barricading and Dust Control Measures	6
2	Water	Tanker Water for Construction and Waste Water Management	3
3	Solid waste	Construction Waste Management	2
4	Occupation Health and safety	Health Checkup of Workers, , toilet, sanitation, Disinfection at Site, First Aid Facility, Personal Protective Equipment	4
5	Environmental Monitoring	Air, Noise, Water, Biological	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	MBBR technology	22.00	12.35
2	Rainwater harvesting system	Recharge Pits	09.00	0.27
3	Solid waste management	OWC, Manpower and colored dustbins	13.03	3.42
4	Green Belt Development	Landscaping and Tree plantation	13.65	2.91
5	Energy Saving Measures	Solar Street Light, Solar Water Heating System	36.30	1.13

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	5,752.62 sq.mt (Stilt parking - 4698.00 sq.mt + Open parking-1054.62 sq.mt)
	Area per car:	Stilt parking -31.32 sq.mt and Open parking-25.11 sq.mt
	Area per car:	Stilt parking -31.32 sq.mt and Open parking-25.11 sq.mt
	Number of 2-Wheelers as approved by competent authority:	362 nos.
	Number of 4-Wheelers as approved by competent authority:	192 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Schedule -8a,Category -B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 16,150 m2, FSI area of 17,234.48 m2, Non FSI area of 13,461.29 m2 and total BUA of 30695.77 m2.

The PP informed that they have carried out 23,316.59 m2 construction work amounting to violation of Environment (Protection) Act, 1986 r.w. EIA Notification 2006, amended till date.

The Committee noted that the PP has not applied within the prescribed period as per the MoEF&CCNotification dated 14/03/2017, 8/03/2018 and concerned office memoranda issued from time to time.

PP also concealed the information that Proposed Directions u/s 5 of Environment (Protection) Act, 1986 were issued to him by Environment Department vide No.Comp-2019/CR-17/SEIAA dt. 15.06.2019 based on the Complaint/Notice of Mr.Tanaji B. Gambhire through Advocate NileshBhandari.

DECISION OF SEAC

In view of above, the Committee decided to **refer the proposal to SEIAA** for further decision.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Proposed project "Siyona" at Sr. no. 47(P),48(P) & 50(P), Punawale, by M/s Pethkar Projects

Is a Violation Case: No

1.Name of Project	Environment Clearance for Proposed project "Siyona" at Sr. no. 47(P),48(P) & 50(P) Punawale, by M/s Pethkar Projects
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jitendra Pethkar
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 Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Vide EC letter no. SEAC-2012/CR-71/TC-II
8.Location of the project	At - Sr. no. 47(P),48(P) & 50(P), Punawale, Pune
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	Mr. Siddharth Jawade
Room Number:	-
Floor:	S. No. 117/118, Plot no. 21/B
Building Name:	Madhav Baug Co-operative Housing Society. Shivtirth nagar
Road/Street Name:	Paud road
Locality:	Kothrud
City:	Pune
11.Whether in Corporation / Municipal / other area	PCMC
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: B.P./ENV/Punawale/10/2019
	Approved Built-up Area: 114373
13.Note on the initiated work (If applicable)	Yes as per earlier EC Construction work initiated on site. Construction of buildings A to C has been completed on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	34957.76 m2
16.Deductions	921.17 m2
17.Net Plot area	25998.46
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 53947.74
	b) Non FSI area (sq. m.): 60426.25
	c) Total BUA area (sq. m.): 114373
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 53947.74
	Approved Non FSI area (sq. m.): 60426.25
	Date of Approval: 15-07-2019
19.Total ground coverage (m2)	4940.56
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19 % on net plot area
21.Estimated cost of the project	2490487233.00

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	B+GP+14	44.50
2	Building A2	B+GP+14	44.50
3	Building B1	B+GP+14	44.50
4	Building B2	B+GP+14	44.50
5	Building C1	B+GP+14	44.50
6	Building C2	B+GP+14	44.50
7	Building D	B+GP+22	69.90
8	Building E	B+GP+22	69.90
9	Commercial Building	G+2	12.0
10	Club House 1 & 2	G+1	9.7

23.Number of tenants and shops	Residential- 664 flats Commercial- 18 no of Shops, 12 no of Offices
24.Number of expected residents / users	Residential- 3400 no. Commercial- 228 no. Total - 3628 nos
25.Tenant density per hectare	316 Tenement /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. m wide road. Nearest fire station- Pradhikaran fire station-4.2 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	Yes as per earlier EC Construction work initiated on site. Construction of buildings A to C has been completed on site
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	309
	Recycled water - Flushing (CMD):	163
	Recycled water - Gardening (CMD):	47
	Swimming pool make up (Cum):	8
	Total Water Requirement (CMD) :	527
	Fire fighting - Underground water tank(CMD):	400 & 450 cmd
	Fire fighting - Overhead water tank(CMD):	20 per building
	Excess treated water	172
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	309
	Recycled water - Flushing (CMD):	163
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	476
	Fire fighting - Underground water tank(CMD):	400 & 450 cmd
	Fire fighting - Overhead water tank(CMD):	20 per building
	Excess treated water	219
Details of Swimming pool (If any)	Swimming pool size- 60’0” X 26’6" Make up water- 8 kld in dry season, 4 kld in wet season Capital cost- Rs.50,00,000/- O & M cost- Rs.2,40,000/-	

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:**	Average 10 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8
	Size of recharge pits :	1.2 m x 1.2 m x 3m with dia of 160 mm and 60 m depth
	Budgetary allocation (Capital cost) :	Rs. 12,00,000.00 /-
	Budgetary allocation (O & M cost) :	Rs. 45,000.00 /-
	Details of UGT tanks if any :	Drinking = 76.60 KLD Domestic = 289.825 KLD Raw= 96.65 KLD Fire fighting water storage =450 KLD & 400 KLD
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours
	Quantity of storm water:	1520 Cum
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	424
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 no. of STP - 425 KLD Capacity
	Location & area of the STP:	On ground, Total Area is 267 Sq.mt.
	Budgetary allocation (Capital cost):	Rs.1,55,00,000.00 /-
	Budgetary allocation (O & M cost):	Rs. 21,50,500.00 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	40 kg/day (Wet waste 24 kg/day +Dry waste- 16 kg/day)
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads
Waste generation in the operation Phase:	**Dry waste:**	714 kg/day
	Wet waste:	1043 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	42 kg/ day
	Others if any:	E-waste- 1928 kg/year

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in 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:	Handed over to authorized recyclers for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Included in Total area
	Area for machinery:	Total area-90 sqm.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 29,75,000.00 /-
	O & M cost:	Rs. 6,31,598.00 /-

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 :**	3,403.66 sq. mt.
	No of trees to be cut :	00
	Number of trees to be planted :	425
	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	Aegle marmelos	Bel	17	Medicinal value, Drought tolerant species.
2	Ailanthus excelsa	Maharukh	17	Medicinal value, Drought tolerant species
3	Albizia lebbeck	Shirish	17	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species
4	Anthocephalus cadamba	Kadamb	17	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits
5	Azadirachta indica	Neem	17	Medicinal value, Shade giving tree, Insect repellent
6	Bauhinia blakeana	Kanchan raj	17	Every part of the plant is medicinal, Drought tolerant species.
7	Bauhinia purpurea	Gulabi kanchan	17	Every part of the plant is medicinal ,Drought tolerant species
8	Bauhinia racemosa	Apta	17	Every part of the plant is medicinal, Drought tolerant species
9	Butea monosperma	Palas	17	Medicinal value, Bird attracting species, To control soil erosion.
10	Cassia fistula	Bahava	17	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
11	Cochlospermum religiosum	Sonsawar	17	Medicinal value, Native species
12	Cordia dichotoma	Bhokar	17	Fruit plant, Medicinal value
13	Dalbergia sissoo	Shisav	17	Medicinal value, Attracts birds/bees
14	Elaeocarpus sphaericus	Rudraksh	17	Medicinal value, Native species
15	Ficus glomerata	Umber	17	Medicinal value, Edible fruits, Bird attracting species

16	Ficus retusa	Nandruk	17	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
17	Gmelina arborea	Shivan	17	Medicinal value, Drought tolerant species, Bird attracting species
18	Lagerstromia reginea	Tamhan	17	Flowering tree, Bird attracting species, To control soil erosion
19	Mangifera indica	Mango	17	Fruit plant, Shade giving tree, Attracts birds/bees/butterflies
20	Michelia champaca	Sonchafa	17	Ornamental, Flowering plant, Attracts birds/bees/butterflies
21	Mimusops elengii	Bakul	17	Fragrant flowers, Medicinal value,To control soil erosion
22	Pongamia pinnata	Karanj	17	Medicinal value, Drought tolerant species,To control soil erosion, Hardy plant.
23	Saraca indica	Sita-ashok	17	Medicinal value, Religious plant.
24	Schleichera oleosa	Kusumb	17	Native species, Fragrant flowers.
25	Syzygium cumini	Jamun	17	Fruit plant, Shade giving tree, Attracts birds/bees/butterflies
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	1 nos. 62.5 KVA
	During Operation phase (Connected load):	4407 KW
	During Operation phase (Demand load):	2083 KW
	Transformer:	4 nos. 630 KVA
	DG set as Power back-up during operation phase:	1 nos 180 KVA & 1 nos125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving by using energy saving measures	20 %

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	37.48
2	Land	Labour Camp toilets & sanitation	9.60
3	Health and Safety	Personal Protective Equipment	8.00
4	Health and Safety	Health checkup & Disinfection	1.26
5	Environment Management	Environment management cell	1.75
6	Environmental Monitoring	Environmental Monitoring	1.82

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 -MBBR Technology	155.00	21.50
2	Solid Waste Management	OWC	29.75	6.31
3	Landscaping	Development and Maintenance	111.60	17.85
4	Rain Water Harvesting	Recharge Pits	12.00	0.45
5	Energy Saving	Energy saving measures	148.2	3.5
6	Swimming Pool	Swimming Pool	50.00	2.40
7	Environmental Monitoring	00	00	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 Punawale. The road network within the site has been designed to cater to the traffic loads of the project
Parking details:	**Number and area of basement:**	12617.75 sq. mt.
	Number and area of podia:	1783.18 sq. mt.
	Total Parking area:	25591.23 sqm.
	Area per car:	12.5 sq. mt.
	Area per car:	12.5 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	1496
	Number of 4-Wheelers as approved by competent authority:	374
	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 & Construction Projec
	Court cases pending if any	NA
	Other Relevant Informations	No any

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 34957.76 m2, FSI area of 53947.74 m2, Non FSI area of 60426.25 m2 and total BUA of 114373 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed 112 nos. tree plantation (budget Rs. 11,20,000/-). Per tree cost comes to Rs. 10,000/- which is too high. PP to reduce the cost to Rs. 5000/- which is reasonable and increase number of trees to 224.

2. PP to revise fire tender drive way plan by removing circular areas indicating clear path. PP to submit cross sections at 4-5 places.

3. PP to submit cross section of the gap through which fire tender moves through the building with minimum height clearance not less than 6 m and with 6 m.

4. PP to submit basement approval plan by PCMC.

5. PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms.

6. PP to submit details of RWH with cross-sectional drawings proposing oil trap.

7. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

8. PP to submit six monthly compliance report.

9. PP to submit drainage NOC and sewer line plan upto final disposal point.

10. PP to submit UGT details.

11. PP to submit master layout superimposing all environmental parameters.

12. PP to submit survival report of existing trees and Garden NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Expansion - Amendment in Environment Clearance - Mixed Used Development - Residential & Commercial Development at CTS NO. 4270 Chinchwad Gaon by Elpro International Ltd.

Is a Violation Case: No

1.Name of Project	Mixed Used Development - Residential & Commercial Development at CTS NO. 4270 Chinchwad Gaon by Elpro International Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Balram Kondalkar GM (Administrator & Personnel) Elpro International Limited at "Nirmal", 17th Floor, Nariman Point, Mumbai - 400021
4.Name of Consultant	ULTRA TECH (Environmental Consultancy & Laboratory) NABET/EIA/1720/RA0094
5.Type of project	Housing project - Mixed used Development
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion - Amendment in Earlier EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, we have received EC from MoEF, Earlier environmental clearance was granted having vide letter No. 21-456/2006-IA-III for total built up area of 2,31,350 m2 then 1st amendment received from MoEF, Delhi,having file No. F. No. 21-34/2017-IA-Ill dated 04th September, 2017 and 2nd amendment received from SEIAA having file no. No: SEIAA-2019/CR-08/SEIAA dated 16.01.2019
8.Location of the project	at CTS No. 4270 Chinchwad Gaon Pune – 411033
9.Taluka	Haveli
10.Village	Chinchwad gaon
Correspondence Name:	Elpro International Limited
Room Number:	"Nirmal"
Floor:	17th Floor
Building Name:	Nariman Point, Mumbai - 400021
Road/Street Name:	Nariman Point
Locality:	Mumbai
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Corporation - Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction document by PCMC
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 150360.36
13.Note on the initiated work (If applicable)	We have completed work as per EC Letter No. received from MoEF , Earlier environmental clearance was granted having vide letter No. 21-456/2006-IA-III for total built up area of 2,31,350 m2 then 1st amendment received from MoEF, Delhi,having file No. F. No. 21-34/2017-IA-Ill dated 04th September, 2017 and 2nd amendment received from SEIAA having file no. No: SEIAA-2019/CR-08/SEIAA dated 16.01.2019 for total constructed area1,48,084 m2 has been constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1,72,560
16.Deductions	50,460.13
17.Net Plot area	1,22,099.87
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 103033.66
	b) Non FSI area (sq. m.): 47326.70
	c) Total BUA area (sq. m.): 150360.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 103033.66
	Approved Non FSI area (sq. m.): 47326.70
	Date of Approval: 21-09-2019
19.Total ground coverage (m2)	28294.74

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	42
21.Estimated cost of the project	4000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Mall (Under Construction- Party complated)	B + G + 5	24.00
2	Commercial - 1A (Completed)	B + G + 5	24.60
3	Residential - 1 to 10 (Completed)	G + 12	39.30
4	Commercial - 2A (Completed)	G + 2	14.00
5	Commercial - 3 (Completed)	LB + G + 2	12.75
6	Commercial - 4 (Completed)	G	04.50
7	Residential - 11 (Completed)	S + 4	17.70
8	Commercial - 6A (Completed)	G + 2	13.45
9	Commercial - 6B (Completed)	B + S + 5	23.85
10	Commercial - 6C (Completed)	G + 2	14.60
11	Commercial 7 (Completed)	B + G + 5	19.70

23.Number of tenants and shops	Residential- 434 nos. Commercial complex - 8 Bldgs
24.Number of expected residents / users	Residential 2,170 and Commercial 11,618 and Total 13,788 nos.
25.Tenant density per hectare	35
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6m, 12m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	As per EC letter no. 21-34/2017-IA-III dated 4th Sept. 2017 and 1st Amendment received from SEIAA, Maharashtra having file number 2019/CR-08/SEIAA dated 16.1.2019 total built up area is about 1,48,084 m2 has been constructed
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC and Tanker
	Fresh water (CMD):	434
	Recycled water - Flushing (CMD):	392
	Recycled water - Gardening (CMD):	125
	Swimming pool make up (Cum):	5 + 50 HVAC
	Total Water Requirement (CMD) :	1001
	Fire fighting - Underground water tank(CMD):	380
	Fire fighting - Overhead water tank(CMD):	220
	Excess treated water	120
Wet season:	**Source of water**	PCMC and Tanker
	Fresh water (CMD):	434
	Recycled water - Flushing (CMD):	392
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	50 HVAC
	Total Water Requirement (CMD) :	876
	Fire fighting - Underground water tank(CMD):	380
	Fire fighting - Overhead water tank(CMD):	220
	Excess treated water	245
Details of Swimming pool (If any)	One swimming pool is provided for Residential 1-10 buildings. Dimension of Swimming Pool: Main pool 144 m3 – 15m x 8m x 1.2m Kids Pool 24m3 – 10mx 8m x 0.3 m Total water Requirement in KL: 168 Water requirement for make up in KLD: 5 KLD Details of Plant & Machinery used for treatment of Swimming pool water: Pressure Sand Filter, Dual Media Filter, Pumps Details of quality to be achieved for swimming pool water and parameters to be monitored: pH – 7.4 -8; Chlorine – 1-3 ppm, Total alkalinity – 80 -140 ppm	

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:**	30 m to 40 m BGL
	Size and no of RWH tank(s) and Quantity:	150 mm dia. Bore with the depth from 30 m to 60 m 12 nos. Recharge pits Size – chamber size 0.9 to 1.3 m2 with the depth of 1m to 2.7 m
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	12
	Size of recharge pits :	chamber size 0.9 to 1.3 m2 with the depth of 1m to 2.7 m
	Budgetary allocation (Capital cost) :	Rs.36 Lakh
	Budgetary allocation (O & M cost) :	Rs.7.20 Lakh/year
	Details of UGT tanks if any :	Total UG Tank Capacity for Domestic & Flushing Water : 1445 KLD Total Fire UG Tank Capacity : 380 KLD

35.Storm water drainage	**Natural water drainage pattern:**	North to south
	Quantity of storm water:	Before construction- 28,819 m3/hr and After Construction – 43,250 m3/hr
	Size of SWD:	Varying as per site condition from 300 to 500 mm

Sewage and Waste water	**Sewage generation in KLD:**	745
	STP technology:	MBBR & SBR
	Capacity of STP (CMD):	3 nos. of STP having total capacity 755 m3 One STP for residential Bldgs. - 1 to 10 & Commercial 2A = 230 KLD = 168 m2 One STP for Mall = 310 KLD= 323.42 m2 One STP for Commercial bldgs. = 215 KLD = 140 m2
	Location & area of the STP:	1 STP for residential Bldgs. - 1 to 10 & Commercial 2A = 230 KLD = 168 m2 1 STP for Mall = 310 KLD= 323.42 m2 1 STP for Commercial bldgs. = 215 KLD = 140 m2
	Budgetary allocation (Capital cost):	Rs.65 Lakh
	Budgetary allocation (O & M cost):	Rs.10 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	30 kg per day
	Disposal of the construction waste debris:	Completed
Waste generation in the operation Phase:	**Dry waste:**	2176.7 kg/day
	Wet waste:	1812.8 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	75 kg/day
	Others if any:	we will submit

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to PCMC
	Wet waste:	Will be treated in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	We will submit
Area requirement:	**Location(s):**	on Ground
	Area for the storage of waste & other material:	226 m2
	Area for machinery:	170 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.79.25 Lakhs
	O & M cost:	Rs.16.00 Lakhs/Annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	16,098.09 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing – 60 no. Proposed – 2571 nos. Total 2631 nos
	List of proposed native trees :	attached
	Timeline for completion of plantation :	Partly Completed

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	95	Medicinal value, Drought tolerant species.
2	Albizia lebek	Shirish	56	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Choclospermum religiosum	Sonsawar	85	Medicinal value, Native species
4	Cordia dichotoma	Bhokar	65	Medicinal value, Edible fruits,
5	Bauhinia blackiana	Kanchanraj	119	Every part of the plant is medicinal, Drought tolerant species
6	Ficus glomerata	Umber	123	Medicinal value, Edible fruits, Bird attracting species
7	Butea monosperma	Palas	85	Medicinal value, Bird attracting species To control soil erosion.
8	Syzygium cumini	Jamun	125	Medicinal value, Edible fruit
9	Anthocephalus kadamba	Kadamb	70	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
10	Azardirachta indica	Neem	199	Medicinal value, To control soil erosion. To improve soil erosion
11	Dalbergia sissoo	Shisav	147	Medicinal value, Bird attracting species ,
12	Ficus arnottiana	Payar	71	Drought tolerant species, Bird attracting species. To control soil erosion.
13	Bauhinia purpurea	Gulabikanchan	132	Every part of the plant is medicinal Drought tolerant species
14	Ficus retusa	Nandruk	61	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant
15	Pongamia pinnata	Karanj	61	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
16	Mangifera indica	Mango	76	Edible fruit, Bird attracting species
17	Michelia champaca	Sonchafa	79	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing

18	Phyllanthu semblica	Awala	57	Medicinal value, To control soil erosion.
19	Saraca indica	Sita-ashok	95	Medicinal value, Religious plant
20	Cassia fistula	Bahawa	92	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
21	Bahunia racemosa	Apta	50	Every part of the plant is medicinal, Drought tolerant species.
22	Murraya koengii	Kadipatta	73	Medicinal value, Edible leaves.
23	Aegle marmelos	Bel	64	Medicinal value ,Drought tolerant species
24	Putrnjiva roxburghii	Putrnjiva	103	Medicinal value, Drought tolerant species
25	Roystonia regia	Bottle palm	59	Ornamental plant, Medicinal value, Birds & bats eat fruits.
26	Gmelina arborea	Shivan	57	Medicinal value, Drought tolerant species, Bird attracting species.
27	Mimosups elengii	Bakul	53	Fragrant flowers, medicinal value, To control soil erosion
28	Caryot aurens	Fishtail palm	49	Grown in any type of soil. Very Hardy
29	Citrus species	Lemon	48	Medicinal value, Edible fruit.
30	Nyctanthus arbortristis	Parijatak	48	Fragrant flowers, Medicinal value
31	Erythrina indica	Pangara	64	Fragrant flowers, Drought tolerant species, Birds attracting
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	500 KVA
	DG set as Power back-up during construction phase	No DG back up provided for construction phase
	During Operation phase (Connected load):	9211 kVA
	During Operation phase (Demand load):	6736 kVA
	Transformer:	VARIOUS SIZE
	DG set as Power back-up during operation phase:	9 nos. of 125 kVA, 2 nos. of 500 kVA, 1 Nos. of 630 kVA, 1 no of 82.5 kVA, 5 nos. of 750 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar energy	127500 kWh/Annum- 100%
2	Solar Water heater	597000 kWh/Annum- 82%

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.100 Lakh
	O & M cost:	Rs.3.62 Lakh per 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 & Noise	Water For Dust Suppression and Air & Noise monitoring	2.32

2	Air & Noise	Water For Dust Suppression and Air & Noise monitoring	2.32
3	Water	Tanker water for construction & worker and Water monitoring	0.25
4	Land	Labour toilets 10 Nos. Cleaning 10,000 Rs./month	5.00
5	Biological	Gardening & Excavation	51.90
6	Socio	Disinfection at site, Safety, First Aid, Health Hygiene Facilities	1.20
7	Socio	Health Check Up	3.00
8	Socio	Creches for children	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	construction and maintenance	65.00	10.00
2	Rain Water Harvesting	construction and maintenance	36.00	7.20
3	Environmental Monitoring	monitoring	0.00	3.87
4	Gardening	Plantation and maintenance	519.00	83.16
5	Solid waste	machinery and maintenance	65.00	13.11
6	Energy		104.0	2.5
7	Swimming pool	construction and maintenance	40.00	1.2

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 basement & area is 16470.60 m2
	Number and area of podia:	1 podium & area is 4288 m2
	Total Parking area:	42171.808
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	4753
	Number of 4-Wheelers as approved by competent authority:	1644
	Public Transport:	Chinchwad goan Bus stop- 1km
	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	8b (B1)
	Court cases pending if any	Not applicable
	Other Relevant Informations	We have received EC from MoEF, Earlier environmental clearance was granted having vide letter No. 21-456/2006-IA-III for total built up area of 2,31,350 m2 then 1st amendment received from MoEF, Delhi,having file No. F. No. 21-34/2017-IA-Ill dated 04th September, 2017 for total built up area 1,39,482.94 m2 and 2nd amendment received from SEIAA having file no. No: SEIAA-2019/CR-08/SEIAA dated 16.01.2019 for built up area 1,48,084 m2. Now, we are applying for 3rd Amendment in Earlier EC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	31-01-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-

Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained ***absent***. The proposal was deferred.

DECISION OF SEAC

PP remained ***absent***. The proposal was deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Sai Dwarika - Phase I and II
2.Type of institution	Private
3.Name of Project Proponent	Mr.Vishal Suresh Pawar
4.Name of Consultant	Mr. Rajesh Srivastava - Pollution and Ecology Constrol Services (PECS)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No.40, H.No. 1/3/2 + 1/4 + 1/5, YEWALEWADI, PUNE
9.Taluka	Haveli
10.Village	Yewalewadi
Correspondence Name:	Mr.Vishal Suresh Pawar
Room Number:	B-3
Floor:	-
Building Name:	KPCT Mall
Road/Street Name:	Fatimanagar
Locality:	Adjacent to Vishal Mega Mart
City:	Pune - 411013
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan
	IOD/IOA/Concession/Plan Approval Number: CC/3294/17
	Approved Built-up Area: 19469.98
13.Note on the initiated work (If applicable)	Work initiated and construction of Total BUA 19429.71 sqm completed as per Sanction Plan vide no. CC/3294/17 dated 09/03/2018
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	N.A.
15.Total Plot Area (sq. m.)	10000
16.Deductions	1524.08
17.Net Plot area	8475.92
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13400.62
	b) Non FSI area (sq. m.): 9242.32
	c) Total BUA area (sq. m.): 22642.94
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 10814.65
	Approved Non FSI area (sq. m.): 8655.33
	Date of Approval: 09-03-2018
19.Total ground coverage (m2)	1328.97
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16%
21.Estimated cost of the project	334970715

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A1&A2	P+11	36
2	Wing B	P+11	36
3	Wing C1&C2	P+14	45
4	Club House	G+1	7

23.Number of tenants and shops	No. of Tenaments = 244 Nos.
24.Number of expected residents / users	No. of Residential Users = 1220 Nos.
25.Tenant density per hectare	288
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Wing A1&A2 - P+11; Wing B - P+11; WIng C1&C2 - P+10. All construction completed as per Sanction Plan vide no. CC/3294/17 dated 09/03/2018
30.Details of the demolition with disposal (If applicable)	N.A.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	109.8
	Recycled water - Flushing (CMD):	54.9
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	7
	Total Water Requirement (CMD) :	177.7
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	20 cum per building
	Excess treated water	81.52
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	109.8
	Recycled water - Flushing (CMD):	54.9
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	7
	Total Water Requirement (CMD) :	171.7
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	20 cum per building
	Excess treated water	82.30
Details of Swimming pool (If any)	Dimensions: 12.2m X 9.14m X 1.22m	

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:**	10m BGL
	Size and no of RWH tank(s) and Quantity:	N.A.
	Location of the RWH tank(s):	N.A.
	Quantity of recharge pits:	4 Nos.
	Size of recharge pits :	2m X 1.5m X 2m
	Budgetary allocation (Capital cost) :	Rs. 250000
	Budgetary allocation (O & M cost) :	Rs. 20000 per annum
	Details of UGT tanks if any :	Domestic = 120 cum Drinking = 25 cum Fire = As per NOC
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	320cum/day
	Size of SWD:	450mm - 600mm
Sewage and Waste water	**Sewage generation in KLD:**	142.42 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP Capacity = 150 KLD ; 1 Nos.
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	Rs. 2350000
	Budgetary allocation (O & M cost):	Rs. 250000 per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 kg/day
	Disposal of the construction waste debris:	Through authorised agency
Waste generation in the operation Phase:	**Dry waste:**	244 kg/day
	Wet waste:	379.46 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	13.46 kg/day
	Others if any:	E Waste = 1.7 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized Agency
	Wet waste:	In-situ Composting
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	In-situ Composting
	Others if any:	E Waste Handed over to Authorized Dismantler/Recycler
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	60 sqm
	Area for machinery:	Considered in Above Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 1500000
	O & M cost:	Rs. 150000 per annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	1000.8 sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing 2 Nos. Trees; Proposed 123 Nos. Trees; Total 125 Nos. Trees
	List of proposed native trees :	Elaborated Below
	Timeline for completion of plantation :	Till Completion of Project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Prosopis cineraria	Shami	8	Hardy species. good for restoration of semi and areas. Drought resistant grows in very poor soil in semi arid areas.
2	Aegle marmelos	Bel	8	Aegle marmelos is native across the Indian subcontinent. It has a reputation in India for being able to grow in places that other trees cannot. It copes with a wide range of soil conditions (pH range 5-10), is tolerant of water logging and has an unusually wide temperature tolerance (from-7°C to 48 °C). It requires a pronounced dry season to give fruit.
3	Azadirachta Indica	Neem	8	Good for restoration of drier parts
4	Schleichera oleosa	Kusum	8	It is a larval host for butterflies Malayan, western centaur oakblue, common hedge blue.
5	Cassia fistula	Bahava	8	It is a larval host for butterflies like common emigrant.
6	Butea monosperma	Palas	5	Used in afforestation of saline and waterlogged regions. It is larval host for butterflies.
7	Emblica officinalis	Awala	10	Plant with good regenerative capacity, sturdy. Good for restoration of forest clearing.
8	Mimusops elengi	Bakul	8	Fruits are eaten by animals
9	Tamarindus indica	Chincha	8	Good for shade. Reduces temperatures. Fruits are favoured by wild animals.
10	Phonenix sylvestris	Palm- Shindi	8	Ripe fruits are eaten by many animals. this also helps in seed dispersal.
11	Lagerstroemia reginae	Tamhan	8	Large flowers, its lrval host of butterfly. Decoction of bark is used in fever. Fruit is used as local application in mouth.
12	Albizia lebbeck	Shirish	5	Evergreen tree good for creating perennial greenery. Important species in evergreen forests

13	Mangifera Indica	Amba	10	Dominant in all kind of forets. Fruits are eaten by wild animals. It is a larval host for butterfly.
14	Garcinia	Kokam	5	Evergreen tree good for creating perennial greenery. Important species in evergreen forests
15	Cochlospermum religiosum	Ganer, Sonsawar	8	It attracts many birds while flowering, Leaves and gym useful in cough, diarrhoea and dysentery.
16	Syzygium cuminii	Jambhul	8	Edible fruits. The leaves are used as folder. Seeds are used to reduce blood sugar in diabetic
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	53 KW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	1129 KW
	During Operation phase (Demand load):	473 KW
	Transformer:	630 kVA X 1 Nos.
	DG set as Power back-up during operation phase:	125 kVA X 1 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

1. Most of the common area & external lighting are proposed to work on high energy efficient lamps(LED) as specified in bureau of energy efficiency which again results in saving in general consumption
2. Low loss Transformers due to which 6.22% losses are saved against conventional transformer.
3. Power Capacitors are proposed for load power factor correction and to maintain a healthy power situation. This also results in less demand load factor for the project.
4. Solar PV, Hot Water, Solar Street Lights, Energy Efficient Motors are proposed

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Percentage Energy Saving	15%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3575000
	O & M cost:	Rs. 41500 per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & labour	Water Requirement	3
2	Site Sanitation & Safety	Health & Safety	1
3	Environmental Monitoring	Pollution Control & Monitoring	3
4	Disinfection	Health & Safety	0.5
5	Health Check-Up	Health & Safety	0.5

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	RWH Pits	2.5	0.2
2	Sewage Treatment Plant	Waste Water Management	23.5	2.5
3	Organic Waste Composting	Solid Waste Management	15	1.5
4	Tree Plantation	Landscape Development	17.75	1.78
5	Energy Saving	Energy Conservation	35.75	0.42
6	Environmental Monitoring	Pollution Control	0	3

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 Nos.
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	3991.8 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	506 Nos.
	Number of 4-Wheelers as approved by competent authority:	190 Nos.
	Public Transport:	Available
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	Category B
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 10000 m2, FSI area of 13400.62 m2, Non FSI area of 9242.32 m2 and total BUA of 22642.94 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit NOC from competent authority for laying storm water drain across road up to final disposal point.

2. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

3. PP to submit RG area plan details.

4. PP to submit CFO NOC.

5. PP to submit master layout superimposing all environmental parameters.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Sai Dwarika - Phase III and IV
2.Type of institution	Private
3.Name of Project Proponent	Mr.Vishal Suresh Pawar
4.Name of Consultant	Mr. Rajesh Srivastava - Pollution and Ecology Constrol Services (PECS)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 40, H. No. 1/1 + 1/2 + 1/3/1, YEWALEWADI, PUNE
9.Taluka	Haveli
10.Village	Yewalewadi
Correspondence Name:	Mr.Vishal Suresh Pawar
Room Number:	B-3
Floor:	-
Building Name:	KPCT Mall
Road/Street Name:	Fatimanagar
Locality:	Adjacent to Vishal Mega Mart
City:	Pune - 411013
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan
	IOD/IOA/Concession/Plan Approval Number: CC/3296/17
	Approved Built-up Area: 19357.2
13.Note on the initiated work (If applicable)	Work initiated and construction of Total BUA 19315.42 sqm completed as per Sanction Plan vide no. CC/3296/17 dated 09/03/2018
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	N.A.
15.Total Plot Area (sq. m.)	10000
16.Deductions	1524.08
17.Net Plot area	8475.92
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13320.65
	b) Non FSI area (sq. m.): 9047.41
	c) Total BUA area (sq. m.): 22368.06
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 10800.21
	Approved Non FSI area (sq. m.): 8556.99
	Date of Approval: 09-03-2018
19.Total ground coverage (m2)	1317.65
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16%
21.Estimated cost of the project	331027519

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing D1&D2	P+14	45
2	Wing E	P+11	36
3	Wing F1&F2	P+11	36
4	Club House	G+1	7

23.Number of tenants and shops	No. of Tenaments = 242 Nos.
24.Number of expected residents / users	No. of Residential Users = 1210 Nos.
25.Tenant density per hectare	286
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Wing D1&D2 - P+10; Wing E - P+11; Wing F1&F2 - P+11. All construction completed as per Sanction Plan vide no. CC/3296/17 dated 09/03/2018
30.Details of the demolition with disposal (If applicable)	N.A.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	108.9
	Recycled water - Flushing (CMD):	54.45
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	169.35
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	20 cum per building
	Excess treated water	86.88
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	108.9
	Recycled water - Flushing (CMD):	54.45
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	163.35
	Fire fighting - Underground water tank(CMD):	As per NOC
	Fire fighting - Overhead water tank(CMD):	20 cum per building
	Excess treated water	87.66
Details of Swimming pool (If any)	N.A.	

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:**	10m BGL
	Size and no of RWH tank(s) and Quantity:	N.A.
	Location of the RWH tank(s):	N.A.
	Quantity of recharge pits:	4 Nos.
	Size of recharge pits :	2m X 1.5m X 2m
	Budgetary allocation (Capital cost) :	Rs. 250000
	Budgetary allocation (O & M cost) :	Rs. 20000 per annum
	Details of UGT tanks if any :	Domestic = 120 cum Drinking = 25 cum Fire = As per NOC
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	320cum/day
	Size of SWD:	450mm - 600mm
Sewage and Waste water	**Sewage generation in KLD:**	147.33 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP Capacity = 150 KLD ; 1 Nos.
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	Rs. 2350000
	Budgetary allocation (O & M cost):	Rs. 250000 per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 kg/day
	Disposal of the construction waste debris:	Through authorised agency
Waste generation in the operation Phase:	**Dry waste:**	242 kg/day
	Wet waste:	376.53 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	13.53 kg/day
	Others if any:	E Waste = 1.7 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized Agency
	Wet waste:	In-situ Composting
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	In-situ Composting
	Others if any:	E Waste Handed over to Authorized Dismantler/Recycler
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	60 sqm
	Area for machinery:	Considered in Above Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 1500000
	O & M cost:	Rs. 150000 per annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1000.8 sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing 2 Nos. Trees; Proposed 123 Nos. Trees; Total 125 Nos. Trees
	List of proposed native trees :	Elaborated Below
	Timeline for completion of plantation :	Till Completion of Project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonis scholaris	Satwin	5	Being tall serves as nesting, used for chronic fever and skin diseases
2	Aegle marmelos	Bel	8	Aegle marmelos is native across the Indian subcontinent. It has a reputation in India for being able to grow in places that other trees cannot. It copes with a wide range of soil conditions (pH range 5-10), is tolerant of water logging and has an unusually wide temperature tolerance (from-7°C to 48 °C). It requires a pronounced dry season to give fruit.
3	Azadirachta Indica	Neem	8	Good for restoration of drier parts
4	Schleichera oleosa	Kusum	8	It is a larval host for butterflies Malayan, western centaur oakblue, common hedge blue.
5	Cassia fistula	Bahava	8	It is a larval host for butterflies like common emigrant.
6	Butea monosperma	Palas	5	Used in afforestation of saline and waterlogged regions. It is larval host for butterflies.
7	Emblica officinalis	Awala	8	Plant with good regenerative capacity, sturdy. Good for restoration of forest clearing.
8	Gmelina arborea	Shivan	8	Good for plantation for restoration
9	Nyctanthes arbor-tristis	Parijatak	8	Leaves are very useful in fever and rheumatism
10	Phonenix sylvestris	Palm- Shindi	8	Ripe fruits are eaten by many animals. this also helps in seed dispersal.
11	Lagerstroemia reginae	Tamhan	8	Large flowers, its lrval host of butterfly. Decoction of bark is used in fever. Fruit is used as local application in mouth.
12	Saraca asoca	Sita Ashok	5	It is larval host for butterflies. The dried bark of the tree is of medicinal value
13	Mangifera Indica	Amba	8	Dominant in all kind of forets. Fruits are eaten by wild animals. It is a larval host for butterfly.

14	Putranjiva roxburghii	Putranjiva	5	Fast growing, sturdy species. Can be used for plantation in restoration.
15	Murraya koeniggi	Kadhipatta	8	It is larval host for butterflies. Commonly used to flavor curries
16	Syzygium cuminii	Jambhul	8	Edible fruits. The leaves are used as folder. Seeds are used to reduce blood sugar in diabetic
17	Thespesia populnea	Bhend	7	Chordate leaves, tree with good coppicing ability. It is larval host for butterfly. Bark is beneficial in painful joints.
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	53 KW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	1153 KW
	During Operation phase (Demand load):	482 KW
	Transformer:	630 kVA X 1 Nos.
	DG set as Power back-up during operation phase:	125 kVA X 1 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

1. Most of the common area & external lighting are proposed to work on high energy efficient lamps(LED) as specified in bureau of energy efficiency which again results in saving in general consumption
2. Low loss Transformers due to which 6.22% losses are saved against conventional transformer.
3. Power Capacitors are proposed for load power factor correction and to maintain a healthy power situation. This also results in less demand load factor for the project.
4. Solar PV, Hot Water, Solar Street Lights, Energy Efficient Motors are proposed

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Percentage Energy Saving	15%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3575000
	O & M cost:	Rs. 41500 per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & labour	Water Requirement	3
2	Site Sanitation & Safety	Health & Safety	1
3	Environmental Monitoring	Pollution Control & Monitoring	3
4	Disinfection	Health & Safety	0.5
5	Health Check-Up	Health & Safety	0.5

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	RWH Pits	2.5	0.2
2	Sewage Treatment Plant	Waste Water Management	23.5	2.5
3	Organic Waste Composting	Solid Waste Management	15	1.5
4	Tree Plantation	Landscape Development	17.75	1.78
5	Energy Saving	Energy Conservation	35.75	0.42
6	Environmental Monitoring	Pollution Control	0	3

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 Nos.
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	4079.3 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	506 Nos.
	Number of 4-Wheelers as approved by competent authority:	197 Nos.
	Public Transport:	Available
	Width of all Internal roads (m):	12m
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	Category B
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 10000 m2, FSI area of 13320.65 m2, Non FSI area of 9047.41 m2 and total BUA of 22368.06 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit NOC from competent authority for laying storm water drain across road up to final disposal point.

2. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

3. PP to submit revised garden NOC.

4. PP to submit CFO NOC.

5. PP to submit master layout superimposing all environmental parameters.

6. PP to submit survival report of existing trees.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for proposed group housing scheme, at S.No./G. No. 1325 (P) Hissa no. 2+3, Village Wagholi, Tq. Haveli, Dist. Pune by M/s. Mangalshanti Development Corporation.

Is a Violation Case: No

1.Name of Project	Environmental clearance for proposed group housing scheme, at S.No./G. No. 1325 (P) Hissa no. 2+3, Village Wagholi, Tq. Haveli, Dist. Pune by M/s. Mangalshanti Development Corporation.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Uttamchand Bhatiya
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	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	New Project
8.Location of the project	S.No./G. No. 1325 (P) Hissa no. 2+3, Village Wagholi, Tq. Haveli, Dist. Pune by M/s Mangalshanti Development Corporation.
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Ashok Sohanlal Gundecha
Room Number:	-
Floor:	Flat no 2 & 3, Plot no. 3, Sr no. 687/1,
Building Name:	Mangal house, Vasant Baug society,
Road/Street Name:	-
Locality:	Bibvewadi,
City:	Pune 411037
11.Whether in Corporation / Municipal / other area	Pune 411037
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	Building A & B exists on site of total construction area 9493.35 Sq. mt
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10406.00
16.Deductions	-
17.Net Plot area	8845.10
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13265.83
	b) Non FSI area (sq. m.): 12664.33
	c) Total BUA area (sq. m.): 26930.16
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: 01-01-1900
19.Total ground coverage (m2)	1485.97
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.28%
21.Estimated cost of the project	750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	2 P + 12	34.20
2	Building B	2 P + 12	34.20
3	Building C	Shop + U Parking + 12	40.50

23.Number of tenants and shops	Residential- 261 no of flats, Commercial- 8 nos of shops
24.Number of expected residents / users	Residential- 1305 persons Commercial- 24 No.
25.Tenant density per hectare	241/Ha (by considering plot area of phase II)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station is fire Station Wagholi, 2.2 Km away from site and width of road is 12m proposed
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 9 m turning radius will be provided
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**	Wagholi Grampanchyat
	Fresh water (CMD):	117.45
	Recycled water - Flushing (CMD):	58.73
	Recycled water - Gardening (CMD):	12.0
	Swimming pool make up (Cum):	1.0
	Total Water Requirement (CMD) :	189.18
	Fire fighting - Underground water tank(CMD):	379.38
	Fire fighting - Overhead water tank(CMD):	Overhead tank capacity for Building A and B = 84.12 Overhead tank capacity for Building c = 69.0
	Excess treated water	72.82
Wet season:	**Source of water**	Wagholi Grampanchyat
	Fresh water (CMD):	117.45
	Recycled water - Flushing (CMD):	58.73
	Recycled water - Gardening (CMD):	00.0
	Swimming pool make up (Cum):	1.0
	Total Water Requirement (CMD) :	177.18
	Fire fighting - Underground water tank(CMD):	377.88
	Fire fighting - Overhead water tank(CMD):	Building A + B = 84.12 & Building C = 69.05
	Excess treated water	84.82
Details of Swimming pool (If any)	Volume = 94.50 Cum Makeup water =1.0 Cum) Capital Rs. 20,00,000.00 /- O M Cost Rs.300000.00 /-	

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:**	Avg 15m to 32.0 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 nos
	Size of recharge pits :	3m X 3m X 1m
	Budgetary allocation (Capital cost) :	1,75,000
	Budgetary allocation (O & M cost) :	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 and pits will be provide
	Quantity of storm water:	11.69 m^3/min
	Size of SWD:	450 mm Dia.
Sewage and Waste water	**Sewage generation in KLD:**	159.5
	STP technology:	MBBR
	Capacity of STP (CMD):	160 KLD
	Location & area of the STP:	Location: Above ground Area: 98 m2
	Budgetary allocation (Capital cost):	41,65,000
	Budgetary allocation (O & M cost):	11,90,000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day (Wet- 12 kg/day & Dry- 8 kg/day)
	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:**	264.6
	Wet waste:	394.0
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 kg/day
	Others if any:	E-waste 1.86 Kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycle for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in on-site organic waste converter machine.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Handed over to authorized recycle for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Included in machine area
	Area for machinery:	33.6 Sq. mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	19,45,000
	O & M cost:	4,50,000.00

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 :**	Required 1040.06
	No of trees to be cut :	00
	Number of trees to be planted :	130
	List of proposed native trees :	As below
	Timeline for completion of plantation :	Till completion of proposed development

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinatta	Karanj	15	Evergreen tree. Medicinally important.
2	Saraca Indica	Sita Ashok	10	Evergreen medicinal plant
3	Casia fistula	Bahava	10	Medium sized deciduous tree. Beautiful yellow flowers, butterfly host plant
4	Mimusops elengi	Bakul	10	Large evergreen tree, fragrant yellow flowers, butterfly host plant, medicinal plant.
5	Anthocephalus cadamba	Kadamb	10	Shady, large tree, ball shaped flowers.
6	Terminalia arjuna	Arjun	10	Large deciduous tree. Large spreading crown.
7	Michelia champaca	Sonchafa	10	Medium sized, evergreen tree, fragrant yellow flowers, butterfly host plant.
8	Peltophorum afracanum	Copper pod tree	10	Tall deciduous tree. Good for roadside plantation.
9	Azardirachta indica	Neem	20	Large tree, fruit bearing, good for roadside plantation.
10	Bauhinia purpurea	Kanchan	10	Large flowers, large, Evergreen
11	Albizzia Lebbek	Shirish	15	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)	100Kw
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	1183.79 KW
	During Operation phase (Demand load):	735.40 KVA
	Transformer:	630KVA x 1Nos. +315KVA x1Nos.
	DG set as Power back-up during operation phase:	180 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:

27.56 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lamps for common area (Club House, Landscape, Children Play, Community Hall, Gym)	4763.3 KWH / Annum
2	Staircase, Lift lobby, passage, Shops, parking area lightings etc.	70369. 1KWH / Annum
3	Use of Solar Panels for Hot Water. (Solar Panel will not be used for minimum 15 Days during rainy season. Conventional Electric geyser will be used during this period.)	261548.57KWH / Annum
4	Streetlights. (LED)	6727.68KWH / Annum

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22,50,000
	O & M cost:	65,000

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 topsoil preservation	11.15
2	Land	Labour Camp toilets & sanitation	4.8
3	Health and Safety	Labour Safety Equipments and training	4
4	Health facility	Disinfection and Health Check-ups	0.51
5	Environment Management	Environment management cell	1.75
6	Environment Management	Environment management	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	STP with MBBR Technology	41,65,000	11,90,000
2	Solid Waste Management	OWC	19,45,000	4,50,000.00
3	Landscaping	Development and Maintenance	3,50,000	1,60,000
4	Rainwater Harvesting	Recharge pits with bore well	1,75,000	30,000
5	Energy Saving	Solar PV panels	22,50,000	65,000
6	Environmental Monitoring	-	-	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:	The site is in Wagholi Area. The development will be accessible from 12m wide service road while the internal driveways are 6 m

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6893.40 Sq. mt.
	Area per car:	12.50 sq. mt.
	Area per car:	12.50 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	378 no.
	Number of 4-Wheelers as approved by competent authority:	177 no.
	Public Transport:	Yes. Existing public transport present up to project site
	Width of all Internal roads (m):	Width of all Internal roads: 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) Building & construction projects.
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 8845.10 m2, FSI area of 13265.83 m2, Non FSI area of 12664.33 m2 and total BUA of 26930.16 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.

2. PP to submit Architect's certificate for entire plot area under consideration indicting construction work (FSI and non-FSI area) carried out till date.

3. PP has stated that sewer line and storm water drain is already laid up to final disposal point on right of way. PP to inform whether these lines are designed to take discharges form adjacent properties. PP to submit design details and NOCs / permission from competent authority.

4. PP to submit details of RWH pits for surface discharge with oil trap and silt chamber.

5. PP to submit master layout superimposing all environmental parameters.

6. PP to submit UGT details.

7. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC.(d) Garden NOC.

8. PP to submit survival report of existing trees.

9. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 day 01

SEAC Meeting number: 95 **Meeting Date** October 4, 2019

Subject: Environment Clearance for proposed residential & commercial project "Nakshatra I Land", at Gat No. 669, Plot A, Moshi Alandi Road, Off. Pune Nashik Highway, Pune- 412105, by M/s. Ellora Buildwell Pvt. Ltd.

Is a Violation Case: Yes

1.Name of Project	"Nakshatra I Land"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mukesh Patel Ellora Buildwell Pvt. Ltd. (Owner) Ellora Home Makers Pvt. Ltd. (Developer) Ellora Fiesta, Plot No. 8, Sector-11, Opposite Juinagar, Navi Mumbai
4.Name of Consultant	Goldfinch Engineering System Private Limited
5.Type of project	Residential & Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No. 669, Plot A Moshi Alandi Road, Off. Pune Nashik Highway, Pune- 412105
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	Ellora Buildwell Pvt. Ltd. Ellora Home Makers Pvt. Ltd. Ellora Fiesta, Plot No. 8, Sector-11, Opposite Juinagar, Navi Mumbai
Room Number:	Plot No. 8, Sector-11
Floor:	-
Building Name:	Ellora Fiesta
Road/Street Name:	-
Locality:	Opposite Juinagar
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	B.P. ENV. MOSHI 05.2018 DT.29.10.2018
	IOD/IOA/Concession/Plan Approval Number: B.P. ENV. MOSHI 05.2018 DT.29.10.2018
	Approved Built-up Area: 118314.69
13.Note on the initiated work (If applicable)	We have constructed total built up area of 34,126.05 m2 Court order dated 23.05.2018 received against Criminal court case no 241/2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA
15.Total Plot Area (sq. m.)	46,614.00 m2
16.Deductions	13553.35 sq.mt.
17.Net Plot area	33060.65 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 59,333.10 sq.mt.
	b) Non FSI area (sq. m.): 58,981.59 sq.mt.
	c) Total BUA area (sq. m.): 118314.69
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 59,333.10 sq.mt.
	Approved Non FSI area (sq. m.): 58,981.59 sq.mt.
	Date of Approval: 29-10-2018
19.Total ground coverage (m2)	11055.66 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33.44 %
21.Estimated cost of the project	1310000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A Bldg	P + 12	39.25
2	B Bldg	P + 12	39.25
3	C Bldg	P + 12	38.85
4	D Bldg	P + 12	39.25
5	E Bldg	2P +12	42.35
6	F Bldg	2P +12	39.10
7	G Bldg	P + 12	39.25
8	H Bldg	P + 12	38.85
9	I Bldg	P + 12	38.85
10	J Bldg (MHADA)	P + G + 10	35.75
11	K Bldg	2P +G + 3	14.85
12	Amenity	B + G +3	17.20
13	Club House	G + 1	7.9

23.Number of tenants and shops	Tenement: 953 Nos. , Commercial : Shop – 64 Nos., Multipurpose Hall- 16 Nos., Office- 18 Nos., Showroom – 04 Nos., Hypermarket – 2
24.Number of expected residents / users	Resi - 4765 Nos., Comm.- 1121 Nos., Amenity - 522 Nos.
25.Tenant density per hectare	109.94/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station: PCMC Fire Station at Bhosari 6.45 km away from proposed site and existing width of the road from the nearest fire station to the proposed building is 6 mt and proposed to be 24 m wide.
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	Bldg C, G, H & I - P+12 - total flats - 376, D first slab completed. Court order dated 23.05.2018 received against Criminal court case no 241/2015
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	466.71
	Recycled water - Flushing (CMD):	255.5
	Recycled water - Gardening (CMD):	55
	Swimming pool make up (Cum):	2.0
	Total Water Requirement (CMD) :	779.21
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	20 KLD / building
	Excess treated water	339.49
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	466.71
	Recycled water - Flushing (CMD):	255.5
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	722.21
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	20 KLD / building
	Excess treated water	394.49
Details of Swimming pool (If any)	Dimension of Swimming Pool : Main pool: 19.40 mt. x 6.4 mt. with 1.20 mt. in depth & Kids pool: 3.80 mt. x 3.80 mt. with 0.60 mt. in depth. Total Water Requirement in KLD : 136 KLD Water requirement for make up in KLD : 2.00 KLD Capital Cost : 40.60 Lacs O & M cost : 2.33 Lacs/yr	

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	466.71	466.71	Not applicable	46.67	46.67	Not applicable	420	420
Domestic	Not applicable	255.5	255.5	Not applicable	0	0	-	255.5	255.5

Gardening	NA	55	55	NA	55	55	NA	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5.5 Mtr. to 7.1 Mtrs. BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	15
	Size of recharge pits :	3×3×4 mt
	Budgetary allocation (Capital cost) :	Rs. 45 Lacs
	Budgetary allocation (O & M cost) :	Rs.0.90 Lacs per
	Details of UGT tanks if any :	Domestic Capacity (Lit) -687.41 Cum (Resi. & Comm.),15.66 Cum(Amenity), Flushing UG Tank Capacity (Lit) : 446.18 Cum (Resi. & Comm.), 19.58 Cum (Amenity), Fire Fighting Capacity (Lit) : 550.00 Cum
35.Storm water drainage	**Natural water drainage pattern:**	As per contour plan
	Quantity of storm water:	24 m3/min
	Size of SWD:	900 mm pipe
Sewage and Waste water	**Sewage generation in KLD:**	628.85 KLD (Residential & commercial building),21.14 KLD (Amenity building)
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1 - 640 KLD,STP 2 - 25 KLD
	Location & area of the STP:	As per drawing
	Budgetary allocation (Capital cost):	STP 1 – 90.00 lacs & STP 2 – 11.00 lacs
	Budgetary allocation (O & M cost):	STP 1 – 14.61 lacs/yr& STP 2 – 6.66 lacs/yr

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total excavation – 19347.405 cum
	Disposal of the construction waste debris:	Top soil – 8844.528 cum use for gardening, Murrum – 10502.877 cum use for filling in plinth& road
Waste generation in the operation Phase:	**Dry waste:**	(Res. + Comm.) 727.35 kg,(Amenity) 39.15 kg = (Total) 766.50 kg
	Wet waste:	(Res. + Comm.) 1697.15 kg, (Amenity) 91.35 kg = (Total) 1788.50 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	50.175 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be sent for recycling to SWACH
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	-
Area requirement:	**Location(s):**	Res. & Comm.OWC Near Building H, Amenity OWC Near Amenity Building
	Area for the storage of waste & other material:	(Res. + Comm.) 128.51 m2, (Amenity) 10.53 m2, (Total) 139.04 m2
	Area for machinery:	(Res. + Comm.) 44.92 m2, (Amenity) 4.42 m2, (Total) 49.34 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	(Res. + Comm.) 34.03 Lacs+ (Amenity) 9.48 Lacs = 43.51 Lacs
	O & M cost:	(Res. + Comm.) 5.26 Lacs/yr + (Amenity) 2.34 Lacs/yr = 7.60 Lacs/yr

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	200	43 Lit/hr	2	6.82	162.5 mm	50
2	62.5	13.7 Lit/hr	1	5.58	62.5mm	50

40.Details of Fuel to be used

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

42.Mode of Transportation of fuel to site	by road

43.Green Belt Development	**Total RG area :**	5023.06 m2
	No of trees to be cut :	No
	Number of trees to be planted :	554 Nos.
	List of proposed native trees :	List presented below
	Timeline for completion of plantation :	1 Year before completion of work

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 / indian laburnum.	22	Medicinal tree, fruits, seeds & leaves are used for medicinal purpose.
2	Cassia javanica	Pink shower tree	11	Pollution Free.
3	Drypetes Roxburghii	Putranjiva tree	05	Evergreen tree with medicinal value.
4	Lagerstromea speciosa	Pride of India tree	23	It is very good for Indian weather. Required less water. Color is flower is violet.
5	Murraya koenigii	Curry leaves	5	Medicinal / herbal tree. Leaves also used for culinary purpose.
6	Azadirachta indica	Neem	5	Medicinal tree, deciduous.
7	Plumeria alba	Champa	41	Deciduous tree, perennial flowering, leaves & bark used for medicinal purpose.
8	Anthocephalus cadamba	Kadamba	21	Evergreen tree, fruits eaten either raw or cooked, bark & leaves used as medicine.
9	Wodyetia bifurcata	Foxtail palm	67	Create green environment. May planted area having strong winds and moderate amount of salt spray.
10	Ravanella Magascurensis	Travellers palm	04	Ornamental tree with featherlike leaves. It has very good property of rainwater collection.
11	Tabebuia rosea	Rosy trumpet	40	Deciduous tree, flowery, control soil erosion.
12	Tabebuia argentea	Golden trumpet	41	Flowery tree, strong resistance property against wind, control soil erosion
13	Bauhinia blakeana	Kanchan	21	Astringent, Decoction od roots prevents obesity.
14	Pithacolum samanea Saman	Raintree	21	Root Decoction is use in hot bath of stomach cancer. Traditional remedy for cold and diarrhea.
15	Areca Katechu	Indian nut	227	Used as an interior landscaping 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	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	6526.18 KVA
	During Operation phase (Demand load):	3626.06 KVA
	Transformer:	22KV / 630 KVA - 6 Nos.& 22KV /315 KVA - 1 No
	DG set as Power back-up during operation phase:	62.5 KVA – 1 No., 140 KVA – 1 No.&200 KVA – 1 No.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Energy saving by non-conventional method:
1 By LED lights in common area (parking, lobby, staircase, landscape light & etc) – 163.67 KWH per day
2 Energy Saving by Solar Hot Water System - 3573.75 KWH per day
3 Solar Power System - 23494.24 KWH per day

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Annual savings in KWH for solar power, hot water & led lighting details	18.81 %
2	Total annual savings in KWH for solar power & solar hot water details	14.73 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	208.30 Lacs
	O & M cost:	6.57 Lacs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):			
Serial Number	**Attributes**	**Parameter**	**Total Cost per annum (Rs. In Lacs)**
1	Water	Dust Suppression	1.8
2	Site Sanitation, Health Check Up & Safety	Health & Safety	2.0
3	Environmental Monitoring	Air, Water, Noise Soil	0.86
4	Disinfection	Disinfection	0.6
5	Health Check up	Health Check up	2.4

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Sewage Treatment Plant	Sewage Treatment Plant	90 +11 = 101	14.61 + 6.66 = 21.27
2	Rain Water Harvesting	Rain Water Harvesting	45	0.90
3	Solid Waste Management	Solid Waste Management	43.51	7.60
4	Green Belt Development	Green Belt Development	165.00	25.00
5	Energy Use (Solar water heating)	Energy Use (Solar water heating)	208.30	6.57
6	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	0.125
7	Basement Ventilation	Basement Ventilation	20	1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 No.(Area 2290.97sq.mt)
	Number and area of podia:	1 No.(horizontal) (Area 6664.84 sq.mt)
	Total Parking area:	28,754.60 Sqm,(For Cycle :2064 Nos. X 1.40 = 2889.60sqm)
	Area per car:	30 Sqm(Covered), 25 Sqm (Open)
	Area per car:	30 Sqm(Covered), 25 Sqm (Open)
	Number of 2-Wheelers as approved by competent authority:	2380 Nos.
	Number of 4-Wheelers as approved by competent authority:	570 Nos. (Covered), 65 Nos. (Open)
	Public Transport:	Available near to side
	Width of all Internal roads (m):	6m wide driveway
	CRZ/ RRZ clearance obtain, if any:	No
	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	8 (a) B2
	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

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 46,614 m2, FSI area of 59,333.10 m2, Non FSI area of 58,981.59 m2 and total BUA of 118314.69 m2.

The brief chronology of the proposal is as below:

1. 12.12.2011 – PP applied for prior EC to SECA, Maharashtra
2. 06.11.2012 – 62nd Meeting SEAC (then) – Proposal was deferred.
3. 14.12.2013 – 2nd meeting SEAC-3 - Violation noted.
4. 08.12.2014 – PP was issued direction u/s 5 of Environment (Protection) Act, 1986, vide letter no SEAC-2011/CR/825/TCII.
5. 21.01.2015 - Criminal case was filed u/s 5 of Environment (Protection) Act, 1986 before J.M.F.C.Pune RCC No 241 / 2015.
6. 27.02.2015 - Project listed in 26thSEACIII Meeting - Remain Absent.
7. 23.11.2015 To 26.11.2015 – proposal was considered and deferred in 38th meeting of SEAC-3
8. 12.01.2016 To 15.01.2016 - proposal was considered and recommended for grant of EC to SEIAA in 40th meeting of SEAC-3
9. 07.04.2016 - proposal was considered and deferred in 90th meeting of SEIAA - Minutes Of SEIAA -"In a view of blatant violation in utter disregard of the provision contained in the environmental (protection) Act, 1986, The SEIAA came to the conclusion that the proposal is not a fit case shall be delisted until the case no 241/2015 dated 21.01.2015 field in the first class judicial magistrate at pune has been decided.".
10. 10.05.2017 - Application for amnesty submitted at MOEFCC, Delhi
11. 23.05.2018 - JMFC court Pune has passed order in RCC No 241 /2015.
12. 15.10.2018 – proposal (the online application made by PP under SEIAA Statement Number- 00000001575) was considered and deferred in 73rd meeting of SEAC-, wherein, Committee decided to forward the case to SEIAA.
13. 16.01.2019 - SEIAA Statement Number- 00000001575 was considered by SEIAA in its 151st meeting and the SEIAA decided to defer the proposal being violation proposal.
14. 30.03.2019 – Another application for the same proposal under SEIAA Statement Number- 00000001296 was considered by SEAC-3 in its 84th meeting and ToR was granted as per as per the MoEF&CC Notification dated 14/03/2017 and 8/03/2018 for preparation of EIA and EMP.
15. 21.08.2019 - Proposal under SEIAA Statement Number- 00000001296 was considered and deferred by SEAC-3 in its 92nd meeting.
16. 27.08.2019 – Site Visit was convened by MCPB officials.
17. 25.09.2019 - Proposal under SEIAA Statement Number- 00000001296 was considered and delisted by SEAC-3 in its 94nd meeting as the proposal was already consideration by SEIAA having SEIAA Statement Number- 00000001575.
18. 29.09.2019 – SEIAA forwarded application under SEIAA Statement Number- 00000001575 to SEAC-3 for further consideration.

The Committee noted that for SEIAA Statement Number- 00000001296, the PP has already submitted EIA report in 92nd meeting and the same was appraised in 92nd meeting during which following points were emerged:

1. PP to submit details of permissions granted by State Government in tabular and chronological form. Comparative statement of components approved and components constructed till date and proposed development.

2. The Committee decided to obtain site visit report from Maharashtra Pollution Control Board incorporating detailed on site environmental status report.

3. PP to submit revised plantation plan incorporating local native fruit bearing trees.

The compliance submitted by PP on above points were noted by the Committee.

In 95th SEAC-3 meeting, the proposal under SEIAA Statement Number- 00000001575 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

During discussion (i.e. 95th meeting of SEAC-3) following points emerged:

1. PP to comply with the observation made by MPCB during visit on 27.08.2019.

2. The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 2.31 Cr.

The Committee also noted that the amount of CER as per MoEF & CC circular dated 1/05/2018 is Rs. 1.96 Cr which is less than the remediation / augmentation plan.

Therefore committee decided to obtain Bank Guarantee of Rs 2.31 Cr for the project completion period.

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

Specific Conditions by SEAC:

1) The committee noted that Cost of remediation plan and natural & community resource augmentation plan as per revised approach paper is estimated as Rs. 2.31 Cr. The Committee also noted that the amount of CER as per MoEF& CC circular dated 1/05/2018 is Rs. 1.96 Cr which is less than the remediation / augmentation plan. Therefore committee decided to obtain Bank Guarantee of Rs 2.31 Cr for the project completion period.

FINAL RECOMMENDATION

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

18	PARIVESH : **SIA/MH/NCP/42636/2019**	"Orange City Street Project" Proposed Residential & Commercial Development Project at Bhamti, Nagpur by Nagpur Municipal Corporation, Nagpur.	

PP remained ***absent***. The proposal was deferred.

*****

19	**PARIVESH: SIA/MH/MIS/118400/2019:** RSM Unity Developers, Solapur	VKE

PP had submitted application for prior Environmental clearance for total plot area of 43700 m2, and total BUA of 1,29,438.9 m2.

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

During discussion following points emerged:

1. In CER, (i) PP has proposed to plant 400 trees at Naldurg fort. PP to take the activity in vicinity of project. (ii) PP has proposed 1.5 km length road from Naldurg fort to NH 65, this in not job of PP. PP to take some other activity in the vicinity of the project. (iii) PP has proposed 87 solar street lights in Naldurg fort. PP to propose other activity useful for public in vicinity of the project.
2. PP to submit details of internal storm water drain up to final disposal point.
3. PP to submit drawing showing sewer lines up to final disposal point. PP to undertake that occupancy to be given only after sewer line is complete.
4. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.
5. PP to submit following NOC's: (a) CFO NOC, (b) Water supply NOC with quantity, (c) Drainage NOC, (d) Solid waste agreement.
6. PP to submit plantation plan incorporating local native fruit bearing trees.

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

*****

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for Expansion in existing project by M/s Siroya FM Infra Development Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	"Eon Homes"
2.Type of institution	Private
3.Name of Project Proponent	Mr.Bharat Agarwal
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential
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 (Vide No.SEAC-2011/CR .716/TC-2 dated 27th January, 2015)
8.Location of the project	Plot.No. R/3/1, Phase III, Hinjewadi IT park,
9.Taluka	Haveli
10.Village	Hinjewadi
Correspondence Name:	Mr.Rajesh Bhange
Room Number:	1 Adams Court
Floor:	2nd Floor
Building Name:	Kasturi
Road/Street Name:	Baner Road Opp. Hotel Mahabaleshwer
Locality:	Baner
City:	Pune
11.Whether in Corporation / Municipal / other area	MIDC
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: EE/IT/Plans/ D55528/of 2017
	Approved Built-up Area: 275045.08
13.Note on the initiated work (If applicable)	81969.85 m2 as per previous EC received on 27/01/2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	90860.00 m2
16.Deductions	9086.00 m2
17.Net Plot area	81774.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 163548.00 m2
	b) Non FSI area (sq. m.): 115303.25 m2
	c) Total BUA area (sq. m.): 278851.25
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 163202.05 m2
	Approved Non FSI area (sq. m.): 111843.03 m2
	Date of Approval: 04-10-2017
19.Total ground coverage (m2)	10873.34 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.96 % of total plot area 90860.00 m2 & 13.29% of net plot area 81774.00 m2
21.Estimated cost of the project	4320000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	LG+UG+G+20	69.60
2	A2	LG+UG+G+20	69.60
3	A3	LG+UG+G+20	69.60
4	B1	LG+UG+G+23	78.10
5	B2	LG+UG+G+23	78.10
6	B3	LG+UG+G+23	78.10
7	C1	LG+UG+G+23	78.10
8	C2	LG+UG+G+23	78.10
9	C3	LG+UG+G+23	78.10
10	D1	LG+UG+G+20	69.60
11	D2	LG+UG+G+20	69.60
12	D3	LG+UG+G+20	69.60

23.Number of tenants and shops	Total Tenements -1548 Nos.
24.Number of expected residents / users	Total Users: 7740Nos.
25.Tenant density per hectare	170.37
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60 m wide 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	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**	MIDC
	Fresh water (CMD):	1367.86 m3/day (One Time)
	Recycled water - Flushing (CMD):	348.30 m3/day
	Recycled water - Gardening (CMD):	260.00 m3/day
	Swimming pool make up (Cum):	27.00 m3/day
	Total Water Requirement (CMD) :	728.60 m3/day
	Fire fighting - Underground water tank(CMD):	675.00 m3
	Fire fighting - Overhead water tank(CMD):	300.00 m3
	Excess treated water	305.65 m3/day
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	1107.86m3/day(One Time)
	Recycled water - Flushing (CMD):	348.30 m3/day
	Recycled water - Gardening (CMD):	0.00 m3/day
	Swimming pool make up (Cum):	27.00 m3/day
	Total Water Requirement (CMD) :	728.60 m3/day
	Fire fighting - Underground water tank(CMD):	675.00 m3
	Fire fighting - Overhead water tank(CMD):	300.00 m3
	Excess treated water	565.65 m3/day
Details of Swimming pool (If any)	Dimensions of Swimming Pool: Main pool: 25 m x 6m x1.20 m.deep Kids pool: 3.0 mt diameter Total water Requirement: 2, 12,400 Ltrs. Water requirement in KLD: 27 m3 / Day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): Capital Cost : Rs. 43.00 Lakh O & M Cost : Rs. 2.52 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:**	15.00 m to 18.00 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:	19 Nos.
	Size of recharge pits :	1.5 m x1.5 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs.21.79 Lakh
	Budgetary allocation (O & M cost) :	Rs.0.75 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity :1019.56 m3 Flushing UG tank Capacity : 348.30 m3 Fire UG tank Capacity : 675.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	93.67 m3/day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	944.91 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	300 m3/day & 650 m3/day
	Location & area of the STP:	Area- 435 m2
	Budgetary allocation (Capital cost):	For 300 m3/day - Rs.53.95 Lakh, For 650 m3/day- Rs.112.33 Lakh
	Budgetary allocation (O & M cost):	For 300 m3/day- Rs.5.40 Lakh/Year ,For 650 m3/day- Rs.11.22 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	50 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	1548 kg/day.
	Wet waste:	2322 kg/day.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Aplicable
	STP Sludge (Dry sludge):	85.04 kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Authorized Vendor
	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:	Not Applicable
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	225 m2 including machinery area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.59.50 Lakh -For 2 OWC
	O & M cost:	Rs.10.25 Lakh/Year-For 2 OWC

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	320 KVA – 4 Nos.	HSD-56.00 Ltr/Hr	S-1	6.3 m	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	14.00 Ltr/Hr	42.00 Ltr/Hr	56.00 Ltr/Hr
41.Source of Fuel		Bharat Petroleum Corporation Ltd/ Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	9086.00 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	1605 Nos.
	List of proposed native trees :	1605 Nos.
	Timeline for completion of plantation :	Before completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Indian Beech	125	Well-adapted to arid zones, it is often used for landscaping purposes as a windbreak or for shade due to the large canopy and showy fragrant flowers.
2	Terminalia arjuna	Arjun Tree	110	The Arjuna is about 20-25 meters tall and forms a wide canopy at the crown , from which branches drop downwards
3	Dalbergia sissoo	Indian Rosewood	114	A fast-growing, harby deciduous , Shisham is best known economic timber is the larval food plant of the black rajah (butterfly)
4	Pterospermum cerifolium	Kanak Champa	135	The flowers of the bayur tree can serve as a pleasant perfume and can even keep away insects. The flowers also provide a number of medicinal uses
5	Albizia lebbeck	Siris	99	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage
6	Terminalia catappa	Indian - Almond	140	Terminalia catappa is a large tropical tree, has high water resistance. As an ornamental tree, grown for the deep shade its large leaves provide.
7	Erthrina variegata	Indian Coral Tree	69	A showy, with brilliant red blossoms. This highly valued ornamental, it is a picturesque, broad and spreading, deciduous tree.
8	Cassia fistula	Amaltas	135	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads
9	Bauhinia Blakeana	Hong Kong Orchid	142	Bauhinia blakeana with large thick leaves and striking purplish red flowers the fragrant, orchid- like flowers.
10	Lagerstroemia speciosa	Queen's Crape-Myrtle	99	It is a small to medium –sized deciduous tree growing to 20 meters. The flowers in this plant blooms only once in a year at the peak of summer

11	Phyllanthus emblica	Amala	90	It is a small sized deciduous fruit tree growing to 8 meters. The fruits in this plant grow only once in a year at the peak of summer
12	Mangifera indica	Mango	96	It is a small to medium sized deciduous fruit tree growing to 6-20 meters. The fruits in this plant grow only once in a year at the peak of summer.
13	Aegle marmelos	Indian Bael	85	It is a small to medium sized deciduous fruit tree growing to 6-15metres. The fruits in this plant grow in whole year
14	Artocarpus heterophyllus	Jackfruit	80	It is a large sized deciduous fruit tree growing to 20metres. The fruits in this plant grow only once in year at the peark of rainy season
15	Millingtonia Hortensis	Indian Cork tree	30	Flowers have very rich and pleasant scent, used in the treatment of asthma & sinusitis in rituals.
16	Tabebuia Rosea	Trumpet Tree	31	Deciduous tree with spreading crown.
17	Spathodea Campanulata	African tulip tree	19	African tulip tree is planted as an ornamental, a wayside tree and shade tree.
18	Anthocephalus Kadamba	Leichhardt Pine	06	They are deciduous, shedding their leaves during the dry season.
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)	150 KVA
	DG set as Power back-up during construction phase	250 KVA- 1No.
	During Operation phase (Connected load):	12248 KVA
	During Operation phase (Demand load):	8573 KVA
	Transformer:	1250 KVA – 7 No.
	DG set as Power back-up during operation phase:	320 KVA – 4 Nos.
	Fuel used:	For 320 KVA :- 56.00 Ltr/Hr
	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.
• LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
• Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
• Water Level Controllers with Timers will be used for Water Pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like LED Lights.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving through renewable sorces including solar hot water	19.84%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Barricading the site	Green belt will be provided
Water	STP is installed for existing building & excess treated water used for flushing & gardening.	STP of capacity 650 m3/day will be proposed.
Noise	Acoustically enclosed DG set is installed.	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared.
Solid waste	Wet waste treated in existing OWC. STP sludge is Used as Manure after treatment in OWC	1 more OWC will be installed for proposed buildings. STP sludge will be Used as Manure after treatment in OWC. Dry Waste will be given to Authorized Vendor.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Energy & Solar system: Rs.40.00 Lakh
	O & M cost:	Energy & Solar system: Rs.10.00 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	300m3/day	Rs.53.95 Lakh	Rs.5.40 Lakh/Year
2	STP-2	650m3/day	Rs.112.33 Lakh	Rs.11.22 Lakh/Year
3	RWH	Rain Water Harvesting	Rs.21.79 Lakh	Rs.0.75 Lakh/Year
4	MSW	OWC-2 Nos.	Rs.59.50 Lakh	Rs.10.25 Lakh / year
5	Energy & Solar System	-	Rs.40.00 Lakh	Rs.10.00 Lakh/Year
6	Landscaping	-	Rs.197.65 Lakh	Rs.6.12 Lakh / year
7	Swimming Pool	-	Rs.43.00 Lakh	Rs.2.52 Lakh/Year
8	Safety Equipments	-	Rs.10.00 Lakh	Rs.2.00 Lakh/Year
9	Post EC Monitoring	-	-	Rs.2.50 Lakh/Year
10	Dry Waste Management	-	-	Rs.9.28 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:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	62900.60 m2
	Area per car:	38.68 m2
	Area per car:	38.68 m2
	Number of 2-Wheelers as approved by competent authority:	3251 Nos.
	Number of 4-Wheelers as approved by competent authority:	1626 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 90860.00 m2, FSI area of 163548.00 m2, Non FSI area of 115303.25 m2 and total BUA of 278851.25 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

During discussion following points emerged:

1. PP to obtain final Fire NOC for 21st to 23rd floor.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for Environment Clearance for " Abhiman Viswa " Proposed Residential & Commercial project At Gat no. 752, Patil Nagar , Chikhali , Tal : Haveli , Pune, Maharashtra , By M/s. Royal Group

Is a Violation Case: No

1.Name of Project	" ABHIMAN VISWA "
2.Type of institution	Private
3.Name of Project Proponent	M/s. Royal Group Name : Mr. Yogesh Dnyaneshwar Chinchwade Address : CTS No. 691,near gokhle hall, padwal lane, chinchwadgaon, Pune 411033. Mob No : 9960186316 Mail Id : ydchinchwade@gmail.com
4.Name of Consultant	Goldfinch Engineering System Private Limited Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area, MIDC (Wagle Estate), Thane (W) – 400604, Maharashtra, India. PH: 91-22-25801529/21/46 Accreditation No : NABET/EIA/1518/RA0066
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat no. 752, Patil nagar , Chikhali.
9.Taluka	Haveli
10.Village	Chikhali
Correspondence Name:	Yogesh Dnyaneshwar Chinchwade
Room Number:	Flat no 102
Floor:	First Floor
Building Name:	Sonigra Nilay Soc.
Road/Street Name:	Morya gosavi road
Locality:	Chinchwad
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Inprocess
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number : In process
	Approved Built-up Area: 31009.13
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Yes
15.Total Plot Area (sq. m.)	10925.00 sq.mt.
16.Deductions	1096.87 sq.mt.
17.Net Plot area	9832.50 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15509.13 sq.mt.
	b) Non FSI area (sq. m.): 15500.00 sq.mt.
	c) Total BUA area (sq. m.): 31009.13
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15509.13 sq.mt
	Approved Non FSI area (sq. m.): 15500.00 sq.mt.
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1935.39 Sq.Mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.71%

21.Estimated cost of the project	491000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing - A	P+12	36 m
2	Wing - B	P+8	24 m
3	Wing - C	P+12	36 m
4	Wing - D	P+12	36 m

23.Number of tenants and shops	Tenement :- 445 Nos , MHADA :- 37 Nos Shop :- 8
24.Number of expected residents / users	Resi – 2225 , MHADA- 185 Commercial :-57
25.Tenant density per hectare	250 / HEC.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station distance 2.1km (Chikhali Fire Station)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 Mt.
29.Existing structure (s) if any	NO
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):	218.33
	Recycled water - Flushing (CMD):	109.59
	Recycled water - Gardening (CMD):	17.00
	Swimming pool make up (Cum):	0.00
	Total Water Requirement (CMD) :	344.92
	Fire fighting - Underground water tank(CMD):	225.00
	Fire fighting - Overhead water tank(CMD):	20 Each Building
	Excess treated water	145.28
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	218.33
	Recycled water - Flushing (CMD):	109.59
	Recycled water - Gardening (CMD):	-----
	Swimming pool make up (Cum):	-----
	Total Water Requirement (CMD) :	325.35
	Fire fighting - Underground water tank(CMD):	225.00
	Fire fighting - Overhead water tank(CMD):	20 Each Building
	Excess treated water	152.74
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 : 4.70 m, Pre monsoon : 8.70 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 Nos.
	Size of recharge pits :	2.5 M X 2.5 M X 3.0 M
	Budgetary allocation (Capital cost) :	8.00 Lacs
	Budgetary allocation (O & M cost) :	0.30 Lacs/Yr
	Details of UGT tanks if any :	Domestic Capacity (Lit) : 301000 Flushing UG Tank Capacity (Lit) : 151000 Fire Fighting Capacity (Lit) : 225000
35.Storm water drainage	**Natural water drainage pattern:**	As Per Contour
	Quantity of storm water:	3.27 m3 /min
	Size of SWD:	300 MM Diameter
Sewage and Waste water	**Sewage generation in KLD:**	295.82 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	300 KLD
	Location & area of the STP:	As per drawing
	Budgetary allocation (Capital cost):	75.25 Lacs
	Budgetary allocation (O & M cost):	10.60 Lacs/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation:- 5806 Cum, Top Soil :- 968 Cum, Murrum :- 4838 Cum
	Disposal of the construction waste debris:	Excavation: 5806 Cum- Used for back filling, Top Soil :- 968 Cum Murrum :- 4838 Cum -Using for Plinth filling
Waste generation in the operation Phase:	**Dry waste:**	445 kg/day
	Wet waste:	668 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	36.90 kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be sent for recycling to SWACH Agency
	Wet waste:	Wet waste will be converting to composting for by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge sent to SWM site for converting in to compost
	Others if any:	NA
Area requirement:	**Location(s):**	As Per Drawing
	Area for the storage of waste & other material:	13 m
	Area for machinery:	52 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25.75 lacs
	O & M cost:	7.90 lacs/Yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

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		Authorized vendor		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	1096.87 Sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	143
	List of proposed native trees :	List presented below
	Timeline for completion of plantation :	Before 1 year 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	Bakul	Mimusops Elengi	09	Shady tree, small white fragrant flower
2	Kadamba	Neolamarckia Cadamba	08	Fruit bearing tree, attracts birds
3	Indian beech	Pongamia Pinnata	08	Good medicinal use
4	Rakta Kanchan	Bauhinia Purpuria	08	Fragrant flowers or leaves, plant for pooja, evergreen tree
5	Sonchafa	Michellia Chamapaka	06	Flower butterfly host plant, medium size evergreen tree, fragrant yellow flowers
6	Jarul	Lagerstromia Flosregina	06	Creates shade, attracts birds/ butterflies/ bees, good for screening
7	Shirish	Albizia Lebbeck	08	Fragrant flowers or leaves, attracts birds/ butterflies/ bees, drought tolerant
8	Mango	Mangifera Indica	06	Tall evergreen tree with fruit bearing
9	Jamun	Artocarpus Heterophyllus	08	Tall evergreen tree with fruit bearing
10	Sita Ashok	Saraca Indica	08	Fragrant flowers or leaves, attracts birds/ butterflies/ bees, deep green, shiny foliage
11	Palas	Butea Monosperma	08	Fragrant flowers or leaves, flowers covering the entire crow in plant for pooja
12	Neem	Azadirachta Indica	08	Plant for pooja/ evergreen fragrant flowers or leaves, quick grooving/ insect repellent
13	Khaya	Khaya Grandis	04	Evergreen tree
14	Golden Shower	Cassia Fistula	04	Auspicious, attracts birds/ bees/ butterflies. Hanging or weeping growth
15	Fish Tail Palms	Caryota Urens	06	Tall evergreen tree
16	Cotton Tree	Bombax Ceiba	04	Shady tree, small white fragrant flowers
17	Ashok	Polyalthia Longifolia	10	Ornamental tree
18	Kailashpati	Kailashpati Couroupita	04	Evergreen tree with medicinal use

19	Putranjiva	Putranjiva Roxburghii	04	Evergreen tree with medicinal use
20	Parijat	Nyctanthes Arbor-tristis	04	Small flowering tree
21	Chapha	Plumeria Alba	04	Evergreen tree with fragrant flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	22 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	1382 KW
	During Operation phase (Demand load):	1052 KVA
	Transformer:	630 KVA X 2 Nos + 315 KVA X 1 Nos
	DG set as Power back-up during operation phase:	200 KVA X 1 Nos
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1 Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
2 Light Emitting Diode (LED) will be used for corridors ,Lobbies and common areas.
3 All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps.
4 Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
5 All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
6 125 Ltrs Solar water is provided for each flat .
7 Solar PV panel system is proposed for Street lighting & Building common lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heating System + Solar PV Panel + LED Light fittings for PLOT A	19 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	57.50 Lacs
	O & M cost:	5.33 Lacs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Dust Suppression	0.7
2	Site Sanitation, Health Check Up & Safety	Health & Safety	1.0
3	Environmental Monitoring	Air, Water, Noise Soil	0.4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air, water, Noise, Soil	Post Project Environment Monitoring	0.00	0.125
2	Water	Rainwater Harvesting	8.00	0.30
3	Wastewater	Sewage Treatment Plant	75.25	10.60
4	Municipal Solid waste	Solid waste Management	25.75	7.90
5	Plantation	Landscaping	35.70	3.00
6	Energy	Energy Savings	57.50	5.33

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	11253.2 Sqm, (For Cycle 968 Nos X 1.40 = 1355.2 Sq.mt.)
	Area per car:	Open - 25 Sq.mt. Covered 30 Sq.mt.
	Area per car:	Open - 25 Sq.mt. Covered 30 Sq.mt.
	Number of 2-Wheelers as approved by competent authority:	976 Nos
	Number of 4-Wheelers as approved by competent authority:	169 Nos. (Covered), 76 Nos. (Open)
	Public Transport:	Available near to side
	Width of all Internal roads (m):	6.00 Mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NO
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP remained ***absent***. The proposal was deferred.

DECISION OF SEAC

PP remained ***absent***. The proposal was deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

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

Is a Violation Case: No

1.Name of Project	Proposed Commercial Project At S. No256/6/1 + 256/7 (PART), Village Hinjewadi, Tal. Mulshi,Dist. Pune, Maharashtra.By Avnee and Tejas Associates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prithviraj Solanke
4.Name of Consultant	VK:e environmental LLP
5.Type of project	Commercial project with shops and offices
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	It is an amendment project. EC has been granted earlier wide number SEIAA-EC-0000001414 dated 26th March 2019.
8.Location of the project	S. No256/6/1 + 256/7 (PART), Village Hinjewadi Tal. Mulshi, Dist. Pune, Maharashtra.
9.Taluka	Tal. Mulshi
10.Village	Hinjewadi
Correspondence Name:	Mr. Prithviraj Solanke
Room Number:	Office no 401
Floor:	Fourth floor
Building Name:	Marvel Aliana
Road/Street Name:	Lane No.5
Locality:	Koregaon Park
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	17450
16.Deductions	6475.11
17.Net Plot area	10974.89 sqm.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30412.14
	b) Non FSI area (sq. m.): 19927.39
	c) Total BUA area (sq. m.): 50339
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: 21-05-2019
19.Total ground coverage (m2)	3154.34
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.74 %
21.Estimated cost of the project	987089200

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	LB+UB+G+8 floors	39.90
2	Wing B	LB+UB+G+8 floors	39.90

23.Number of tenants and shops	Wing A- Shops: 18, Offices: 40 and Canteen Wing B-Shops 8 and offices 69
24.Number of expected residents / users	3415
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	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**	Grampanchayat of Hinjewadi
	Fresh water (CMD):	90
	Recycled water - Flushing (CMD):	68
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	170
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	59
Wet season:	**Source of water**	Grampanchayat of Hinjewadi
	Fresh water (CMD):	90
	Recycled water - Flushing (CMD):	68
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	158
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	68
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	8 m pre monsoon and 6 m post monsoon
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	10
	Size of recharge pits :	1 m x 1 m x 1.2 m depth
	Budgetary allocation (Capital cost) :	Rs. 10,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 1,00,000/-
	Details of UGT tanks if any :	Domestic-90 Flushing-68 kld Fire fighting-200 kld
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be led to 4 recharge pits. Surplus shall be discharged into nearby common municipal drains.
	Quantity of storm water:	421.28 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	142 kld
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 150 kld capacity
	Location & area of the STP:	On Ground, area 87.93 Sq.m
	Budgetary allocation (Capital cost):	Rs.48,90,000/-
	Budgetary allocation (O & M cost):	Rs. 8,80,000/-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day due to labour camp
	Disposal of the construction waste debris:	Construction waste debris will be used for site leveling and backfiling
Waste generation in the operation Phase:	**Dry waste:**	537 kg/day
	Wet waste:	398 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E-waste 9.3 kg/day

Mode of Disposal of waste:	**Dry waste:**	Authorized recyclers- SWaCH
	Wet waste:	On site OWC machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will be used as manure
	Others if any:	E-waste will be handed over to authorized vendors
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	48 Sq.m Total area including machinery
	Area for machinery:	48 Sq.m Including storage
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14,75,000 /-
	O & M cost:	Rs. 3,02,400 /-

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel	NA
42.Mode of Transportation of fuel to site	NA

43.Green Belt Development	**Total RG area :**	1097.49 Sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	200
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Till completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	23	A medium to large size hardy tree which stand in drought conditions. Attain a much larger size in dry regions.Medicinal value.
2	Millingtonia hortensis	Indian cork tree	12	A columnar, evergreen tree, grows well in both dry and moist regions. Ornamental value
3	Lagerstromia flos-regineae	Tamhan	15	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, grows well in both dry and humid climate
4	Cassia fistula	Bahava	28	Small deciduous tree. Excellent flowering tree for arid regions. Ornamental value
5	Plumeria alba	Champa	20	Ornamental flowering tree
6	Ficus benjamina	Weeping fig	15	A medium sized evergreen tree with elegant appearance and moderate water requirement.
7	Syzygium cumini	Jambhul Tree	10	Fruit bearing. A large sized tree with dense foliage provides shade along roads wood is water resistant and tree attracts variety of bird
8	Michelia champaca	Sonchapha	10	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Polyathia longifolia	Ashok	21	Large evergreen tree, Effective in decreasing noise pollution.
10	Psidium guajava	Guava	16	Medium sized fruit bearing tree.
11	Mangifera indica	Mango	10	Large evergreen shade giving and fruit bearing tree.
12	Tamarandus indica	Chinch	10	Evergreen, shady, medium to large tree, fruit bearing.
13	Phyllanthus emblica	Amla	10	Tree with medicinal value.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2

1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	40 kW
	DG set as Power back-up during construction phase	1 DG set of 60 kW.
	During Operation phase (Connected load):	3727.13 kW
	During Operation phase (Demand load):	2494.68 kW
	Transformer:	4 nos. x 630 KVA , 1 no.s x 315
	DG set as Power back-up during operation phase:	3 nos 625 kvA+ 1 nos 300 kvA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy Saving due to solar set- 9.05 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy savings(Solar PV panels + LED light fittings) units per year.	186393.06 KWH (11.56%)

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. 58,34,000/-
	O & M cost:	Rs. 2,91,000/-

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	14.29
2	Land	Labour Camp toilets & sanitation	4.80

3	Health and Safety	Labour Safety Equipments and training	4.0
4	Health and safety	Disinfection and Health Check-ups	0.66
5	Environment Management	Environmental Monitoring	1.86

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 of MBBR Technology	48.9	8.8
2	Solid waste management	Organic Waste Composting	14.75	3.02
3	Ecology and Landscape	Tree Plantation	4.21	0.33
4	Rain Water Harvesting	Recharge pits with bore well	7	0.80
5	Energy Saving	Solar PV panels	58.34	2.91
6	Lightning Arrester	Lightning Arrester	0.70	-
7	Environmental Monitoring	Air, water, soil, noise monitoring	-	1.82

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	2 level basement area is : 10582.66 sqm.
	Number and area of podia:	NA
	Total Parking area:	8012.5 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:	1245 nos
	Number of 4-Wheelers as approved by competent authority:	438 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6m. 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	Category 8 a (Building and construction projects)
	Court cases pending if any	NA
	Other Relevant Informations	This application is for amendment in EC. Commercial project with shops and offices.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 17450 m2, FSI area of 30412.14 m2, Non FSI area of 19927.39 m2 and total BUA of 50339 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit detailed drawing of internal storm water drain indicating RWH a suggested in the geo-hydrological report.

2. PP to justify reduction in inhabitants from 3702 to 3415.

3. PP to undertake that the drainage line and STP for Village Panchayat will be constructed at his own cost and redress if any objection is raised for the same.

4. PP to submit Drainage NOC.

5. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity,

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for Proposed Residential at GAT NO 989,990 at Chikhali by Namoh Properties.

Is a Violation Case: No

1.Name of Project	Proposed Residential at GAT NO 989,990 at Chikhali by Namoh Properties
2.Type of institution	Private
3.Name of Project Proponent	Mr. Deepak Thakur, Namoh Properties
4.Name of Consultant	VKe Environmental LLP
5.Type of project	Residential Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No 989,990 At – Chikhali, Tal Haveli, Dist Pune
9.Taluka	Haveli
10.Village	Chikhali
Correspondence Name:	Mr Deepak Thakur, Namoh Properties
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	GAT No. 1195,1196
Road/Street Name:	Sonawane vasti road, in front of Vrudha Ashram
Locality:	Chikhali
City:	Pune- 411062
11.Whether in Corporation / Municipal / other area	PCMC
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 work initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	6141.67 sqm
16.Deductions	109.17 sqm
17.Net Plot area	6032.5 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12841.36
	b) Non FSI area (sq. m.): 18208.71
	c) Total BUA area (sq. m.): 31050.07
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: 23-05-2019
19.Total ground coverage (m2)	1287.93
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.34 %
21.Estimated cost of the project	638000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	2P + 12	42
2	Wing B	2P + 12	42
3	Wind C	2P + 12	42
4	Wing D + MHADA	2P + 12	42
5	Wing E	2P + 12	42
6	Wing F	2P + 12	42
7	Club House	G + 1	7.5

23.Number of tenants and shops	Number of Tenements : 277 (Residential : 255, Mhada : 22)
24.Number of expected residents / users	Residential Population : 1385 (Residential : 1275, Mhada : 110)
25.Tenant density per hectare	451.01
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Project is accessible from 30 m wide DP road. Nearest fire station: Chikhali Fire Station PCMC : 1.6 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6 m Driveway & 9 m Turning radius
29.Existing structure (s) if any	Temporary structure existing on site
30.Details of the demolition with disposal (If applicable)	Debris generated by demolition will be reused for back filling & road leveling

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):	129
	Recycled water - Flushing (CMD):	62
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	198
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	102
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	129
	Recycled water - Flushing (CMD):	62
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	191
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	109
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre monsoon : 7.30 BGL , Post monsoon : 4.20 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:	4
	Size of recharge pits :	2 m X 2 m x 2 m recharge pit with 60 meter bore well of 0.18 diameter and collection chamber of 1m x 1m x 1m
	Budgetary allocation (Capital cost) :	300000
	Budgetary allocation (O & M cost) :	20000
	Details of UGT tanks if any :	Fire Fighting Water Tank : 300 KLD Domestic Water Tank : 200 KLD Flushing Water Tank : 54 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:	368.46 m3/day
	Size of SWD:	600 mm diameter
Sewage and Waste water	**Sewage generation in KLD:**	172
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP will be provided with capacity of 180 KLD
	Location & area of the STP:	on Ground
	Budgetary allocation (Capital cost):	1900000
	Budgetary allocation (O & M cost):	1068120
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total waste generated : 20 Kg/day : Dry Waste = 12 kg/day , Wet Waste = 8 kg/ day
	Disposal of the construction waste debris:	The 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:**	277 kg/day
	Wet waste:	416 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	25 kg/day
	Others if any:	E waste : 2 kg/day

Mode of Disposal of waste:	**Dry waste:**	will be handed over to authorized vendor
	Wet waste:	wet waste will be treated in the organic waste converter
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	dried sludge from STP will be used as manure
	Others if any:	E waste will be handover to authorized Vendor
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	Total area : 48 m2
	Area for machinery:	Total Area : 32 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1475000
	O & M cost:	304020

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 :**	604.29 sqm
	No of trees to be cut :	0
	Number of trees to be planted :	134
	List of proposed native trees :	refer below list
	Timeline for completion of plantation :	till the 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	Manikara zapota	Chikoo	14	Tropical fruit tree & bird attracting tree
2	Michelia champaca	Champa	14	Evergreen timber plant, ornamental
3	Mimusopes elengi	Bakul	14	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping Fig	1	Evergreen and bird attracting tree
5	Cassia fistula	Golden shower	1	Drought tolerant, ornamental &medicinal plant
6	Butea monosperma	Flame tree	4	Used in pesticide & dye preparation,
7	Cassia grandis	Pink shower	2	Drought tolerant, ornamental &medicinal plant
8	Bauhinia blackiana	Kanchan	15	Evergreen medicinal plant
9	Roystonea regia	Royal palm	10	Nitrogen Fixer, ornamental plant
10	Syzygium cumini	Jambhul	10	Fruit tree and bird attracting plant
11	Neolamarkia cadamba	Kadamba tree	7	Tropical fruit tree & bird attracting tree
12	Mangifera indica	Mango tree	14	Evergreen & bird attracting tree
13	Ficus religiosa	Pimpal	1	Evergreen & bird attracting tree
14	Ficus benghalensis	Wad	1	Evergreen & bird attracting tree
15	Albizia belleck	Shirish	10	Evergreen & bird attracting tree
16	Azadirachta indica	Neem	10	Evergreen & bird attracting tree
17	Caryota mitis	Fishtail Palm	6	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	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 kW
	DG set as Power back-up during construction phase	160 KVA
	During Operation phase (Connected load):	1246 kW
	During Operation phase (Demand load):	644 kW
	Transformer:	1 No.s X 630 KVA 1 No.s X 315 KVA
	DG set as Power back-up during operation phase:	1 x 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	19500 KWH / Annum
2	Timer Logic Controller	47479 KWH / Annum
3	Electronic V3F drive for Lifts	39210 KWH / Annum
4	Solar Water Heater	289188 KWH / Annum
5	Total : 395377 KWH / Anum	21.63%

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:**	3442000
	O & M cost:	99000

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, top soil preservation	471512.5
2	Land	Labor camp toilets & sanitation	480000

3	Health and safety	Labor safety & training	400000
4	Health and safety	Health check up & disinfection	51000
5	Environment Management	Environment management cell	170000
6	Environmental Monitoring (Per Year)	Air, Water, Noise, Soil, DG set	182500

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	1900000	1068120
2	Organic Waste Management	1 OWC machine	1475000	304020
3	Landscaping	Development and maintenance	934146	98000
4	Rain water Harvesting	Recharge pits, recharge shafts	300000	20000
5	Energy	Hot water, PV panels for street lighting	3442000	99000
6	Environment Monitoring	Air, water, Noise, soil, OWC manure, DG, Treated water	-	185600
7	Lightning Arrester	Lightning Arrester	545000	-

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 site is located Chikhali Area. The development will be accessible from 30 m wide road while the internal driveways are 6 m wide

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	1 podium of 3960 m2 is proposed
	Total Parking area:	7920 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	556
	Number of 4-Wheelers as approved by competent authority:	139
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	minimum 6 meters
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a) Building and Construction Project
	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

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 6141.67 m2, FSI area of 12841.36 m2, Non FSI area of 18208.71 m2 and total BUA of 31050.07 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed watershed activity (budget – Rs.40 Lakh) in Ranjangaon Village. PP to replace the same by proposing provision of Ambulance. PP to submit details of provision of public toilets, i.e. number and locations.

2. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

3. PP to submit contour plan of the plot under consideration.

4. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for Environment Clearance for Proposed Residential Cum Commercial Project at Gat 229, Wagholi, Taluka Haveli, Pune by “Gunina Builders” under Pradhan Mantri Awas Yojana

Is a Violation Case: No

1.Name of Project	Gunina Builders Residential Cum Commercial Project under Pradhan Mantri Awas Yojana [PMAY]
2.Type of institution	Private
3.Name of Project Proponent	Gunina Builders through its Partner Mr. Mohanraj Namdev Moze
4.Name of Consultant	M/s. Sneha Hi-Tech Products No. 8 & 28, 4th Cross, Maruthinagar Chandra Layout, 80 Feet Road, Nagarbhavi, Bangalore
5.Type of project	Its housing project. Project comes under Pradhan Mantri Awas Yojana [PMAY]
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat 229
9.Taluka	Haveli
10.Village	Wagholi
Correspondence Name:	Mr. Mohanraj Namdev Moze
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	Sr. No.290, Shiv Nagar, Vadgaon Shinde Road, Near Gajanan Mangal Karyalya,
Locality:	Lohegaon
City:	Pune - 412207
11.Whether in Corporation / Municipal / other area	Pune Metropolitan Regional Development Authority [PMRDA]
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No construction started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Project comes under Pradhan Mantri Awas Yojana
15.Total Plot Area (sq. m.)	15100.00
16.Deductions	2265.00
17.Net Plot area	12835.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 31765.67
	b) Non FSI area (sq. m.): 13815.23
	c) Total BUA area (sq. m.): 45580.90
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** In Process
	Approved Non FSI area (sq. m.): In Process
	Date of Approval: 14-04-2019
19.Total ground coverage (m2)	2545.98
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.83
21.Estimated cost of the project	457878000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	GP1+P2+14	44.90
2	Building B	GP1+P2+13	42.05
3	Building C	P1+P2+14	44.90
4	Building D	GP1+P2+14	44.90
5	Club House	G + 1	7.20

23.Number of tenants and shops	Flats: 715 Shops: 32
24.Number of expected residents / users	Residential: 2970 Commercial : 234
25.Tenant density per hectare	250 [As per Master Layout]
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Not Any
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Grampanchayat Wagholi/ Recycled
	Fresh water (CMD):	273.15
	Recycled water - Flushing (CMD):	138.33
	Recycled water - Gardening (CMD):	9.06
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	420.54
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	222.94
Wet season:	**Source of water**	Grampanchayat Wagholi/ Recycled
	Fresh water (CMD):	273.15
	Recycled water - Flushing (CMD):	138.33
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	411.48
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	40.00
	Excess treated water	232.04
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0.0	411.48	411.48	0.0	41.14	41.14	0.0	370.34	370.34
Gardening	0.0	9.06	9.06	0.0	9.06	9.06	0.0	0.0	0.0
Fresh water requirement	0.0	273.15	273.15	0.0	27.31	27.31	0.0	245.84	245.84

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 14m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 Nos.
	Size of recharge pits :	1.5m x 1.5m x 2.5m
	Budgetary allocation (Capital cost) :	7.50Lakh
	Budgetary allocation (O & M cost) :	0.30Lakh
	Details of UGT tanks if any :	Domestic Water Tank: 339.393KLD Fire Water Tank: 300KLD
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	5.94m3/Min
	Size of SWD:	600mmx600mm
Sewage and Waste water	**Sewage generation in KLD:**	370.34
	STP technology:	MBBR
	Capacity of STP (CMD):	420CMD x 1 No.
	Location & area of the STP:	Beside Club House, Area: 222.46m2
	Budgetary allocation (Capital cost):	40.00Lakh
	Budgetary allocation (O & M cost):	5.00Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving
Waste generation in the operation Phase:	**Dry waste:**	754Kg/day
	Wet waste:	1114kg/day
	Hazardous waste:	Used Oil - 50 Lit./Year
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	120Kg/day
	Others if any:	Not Any

Mode of Disposal of waste:	**Dry waste:**	Authorized Vendors
	Wet waste:	Treatment through OWC
	Hazardous waste:	Authorized Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as compost
	Others if any:	Not Any
Area requirement:	**Location(s):**	Beside STP [Beside Building A]
	Area for the storage of waste & other material:	52.00m2
	Area for machinery:	38.00m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	29.75 Lakh
	O & M cost:	6.59 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	5.5 - 8.5	6.5 - 7.5	5.5 - 9.5
2	TSS	mg/l	300-350	10	100
3	O&G	mg/l	10-15	5	10
4	BOD	mg/l	250-280	10	100
5	COD	mg/l	450-500	50	250

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Waste Oil	5.1	Lit/Year	0.0	50.0	50.0	Authorized Recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set 200KVA	Diesel -45.90 Lit/hr.	1	47.73	0.1	55

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0.0	45.90 Lit/hr.	45.90 Lit/hr.

41.Source of Fuel	Market and local Vendor
42.Mode of Transportation of fuel to site	Tanker

43.Green Belt Development	**Total RG area :**	1647.72 m2 [1523.38 + 124.34]
	No of trees to be cut :	NA
	Number of trees to be planted :	212
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Within 1-2 Years after getting EC

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops Elengi	Bakul	20	Large evergreen, densely shady tree, medicine, fruit is edible
2	Spathodea Campanulata	African Tulip	10	Attractive to birds, flowering, shady tree
3	Tabebuia	Roble	19	Large flowering tree, attractive to birds
4	Swietenia Macrophylla	Mohogani	20	Beautiful, shady tree
5	Terminalla Mantaly	Madagasar Almond	20	Evergreen tree, shady tree
6	Anthocephalus	Kadamba	18	Genius of flower plants
7	Millingtonia Hortensis	Buch	14	Fragrance & Flowering Tree, attractive to birds
8	Pongamia Pinnata	Pongam tree	23	Beautiful Pink Flowering Tree
9	Michelia Champaka	Sonchapa	10	Beautiful Long lasting Flowers
10	Nyctanthes Arbor-Tristis	Parljat	20	Beautiful Long lasting Flowers having beautiful smell.
11	Mangifera Indica	Mango	15	Large Fruit Giving tree(mango tree)
12	Erythrina Stricta	Coral Tree	20	Large Flowering Tree, attractive to 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	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50KW
	DG set as Power back-up during construction phase	82.5KVA
	During Operation phase (Connected load):	2003.68KW
	During Operation phase (Demand load):	1535.56KW
	Transformer:	3 No. X 630 KVA
	DG set as Power back-up during operation phase:	200KVA
	Fuel used:	Diesel - 45.90 - lit/hr
	Details of high tension line passing through the plot if any:	Not Any

48.Energy saving by non-conventional method:

Use of LED lamps for common area (Club House, Landscape,)
Stair-case, Lift lobby, Passage parking Lightings
Use of Solar Panels for Hot Water
Street Lights on Solar light
TOTAL Energy Savings per day in KVA 2188.00

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lamps for common area (Club House, Landscape,) Stair-case, Lift lobby, Passage parking Lightings Use of Solar Panels for Hot Water Street Lights on Solar light	21.4%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
D.G. Set	Not applicable	Adequate Stack Height & Acoustic Enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	62.5Lakh
	O & M cost:	3.11Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Environment	Water for Dust Suppression	4.00
2	Water Environment	Drinking Water Supply For Workers	4.00

3	Site Sanitation	Disinfection – pest control	2.0
4	EHS & Disaster Management	First Aid Facilities, Health Checkup, Disaster Management Plan, Personal Protective equipment	3.2
5	Environmental Monitoring	Air, Water, Soil & Noise Monitoring	3.0
6	Biological Environment	Gardening Setup including top soil preservation	1.5
7	Solid Waste Management	Debris & Solid Waste Management	2.5
8	Total	Total Construction Phase	20.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Sewage Treatment Plant	40.00	5.00
2	Water Environment	Storm Water Management	9.20	0.20
3	Water Environment	Rain Water Harvesting	7.50	0.30
4	Solid Waste Management	Organic Waste Composting - Wet Waste	29.75	6.95
5	Biological Environment	Tree Plantation	11.15	2.00
6	Energy Management	Energy saving measures	62.5	3.11
7	Environment Monitoring	Air, Water, Soil & Noise Monitoring	0.0	5.0
8	EHS & Disaster Management	Installation of firefighting equipment, training, Disaster Management Cost etc.	25.00	5.00
9	Total	Total Operation Phase	185.1	27.56

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	2, 12m Wide Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	-
	Total Parking area:	5581.80m2
	Area per car:	49.30
	Area per car:	49.30
	Number of 2-Wheelers as approved by competent authority:	1334 [Scooter] 1334 [Bicycles]
	Number of 4-Wheelers as approved by competent authority:	66 Nos.
	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	8 [b]
	Court cases pending if any	Not Any
	Other Relevant Informations	Project comes under Pradhan Mantri Awas Yojana
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	--
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 15100.00 m2, FSI area of 31765.67 m2, Non FSI area of 13815.23 m2 and total BUA of 45580.90 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.

2. PP to submit details of existing socio-economic infrastructure – primary, pre-primary schools etc. within vicinity.

3. PP to submit drainage NOC and detailed plan of sewer line up to final disposal point.

4. PP to submit master layout superimposing all environmental parameters.

5. PP to submit indemnity bond indemnifying Environment Department, GoM and SEAC-3 from any legal consequences.

6. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Garden NOC.

7. PP to revise RG plan by relocating trees near water tank.

8. PP to submit plantation plan incorporating local native fruit bearing trees.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for Environmental Clearance for proposed project Krystal city, S. No. 96 &97, Plot B, Chikhali, Pune By Rama Spaces

Is a Violation Case: No

1.Name of Project	Environmental Clearance for proposed project Krystal city, S. No. 96 &97, Plot B, Chikhali, Pune By Rama Spaces
2.Type of institution	Private
3.Name of Project Proponent	Jitendra Panjabi
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. 96, 97, Chikhali
9.Taluka	Haveli
10.Village	Chikhali
Correspondence Name:	Jitendra Panjabi
Room Number:	1001
Floor:	10th
Building Name:	Rama Equator
Road/Street Name:	Morwadi Chowk
Locality:	Pimpri
City:	Pune
11.Whether in Corporation / Municipal / other area	PCMC
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)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Under process
15.Total Plot Area (sq. m.)	19518.97
16.Deductions	Road Widening and Other- 3742.26
17.Net Plot area	15776.70
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32088.94
	b) Non FSI area (sq. m.): 39053.85
	c) Total BUA area (sq. m.): 71142.79
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: 14-06-2019
19.Total ground coverage (m2)	3915.51
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.06
21.Estimated cost of the project	1048095000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A B wing	2P+12	36.00 (excluding parking)
2	C D Wing	2P+12	36.00 (excluding parking)
3	EF Wing	2P+12	36.00 (excluding parking)
4	Commercial Wing	B+G+1	6.90
5	Club House	G+1	6.00
6	Gym	G+1	6.00

23.Number of tenants and shops	Residential:593 Shops: 26
24.Number of expected residents / users	Residential Tenants :2965 Commercial users: 226
25.Tenant density per hectare	250 tenets/ 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)	20m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	271
	Recycled water - Flushing (CMD):	139
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	425
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	25 per building
	Excess treated water	197
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	271
	Recycled water - Flushing (CMD):	139
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	410
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	25 per building
	Excess treated water	212
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:**	Pre Monsoon- 8m , Post Monsoon- 6m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 no.
	Size of recharge pits :	1m x 1m and depth 1.2m below storm water inlet with 60 m recharge borewell
	Budgetary allocation (Capital cost) :	14,00,000
	Budgetary allocation (O & M cost) :	1,00,000
	Details of UGT tanks if any :	Fire: 250 CMD Domestic: 408 CMD Flushing: 140 CMD
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 existing storm water chamber/nala.
	Quantity of storm water:	9.75m3/ minute
	Size of SWD:	450mm Ø
Sewage and Waste water	**Sewage generation in KLD:**	369
	STP technology:	MBBR
	Capacity of STP (CMD):	375
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	130,00,000
	Budgetary allocation (O & M cost):	26,50,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day):8, kg/day Wet waste (Kg/day):12, kg/day =Total waste generated: 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:**	627 kg/day
	Wet waste:	912 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19.75 kg/day
	Others if any:	E waste-1709 kg/yr

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in owc
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	E waste will be handed over to authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total area- 70 sq.m
	Area for machinery:	Total area- 70 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25,75,000
	O & M cost:	5,50,380

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 :**	Mandatory open space- 1578.01 sq.m
	No of trees to be cut :	6 Existing trees to be Transplanted
	Number of trees to be planted :	No of trees required: 198 + 6 (Transplanted) + 60 = 264 No of trees proposed:279
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	Till the end of the 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	Alstonia scolaris	Saptparn	12	Ornamental evergreen tree,good shade
2	Millingtonia hortensis	Akash nimb,buch,cork tree	23	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree.
3	Anthocephalus Kadamba	Kadamba	11	Ornamental tree ,scented flowers, good shade
4	Azadirichta indica	kadunimb	06	Good shade, medicinal,used for pest control
5	Lagerstromia speciosa	taman	23	attractive flowering
6	Pterospermum acerifolium	muchkund	20	Ornamental tree, shade giving
7	Swietenia macrophylla	mahogony	09	good shade, road side planting
8	Mimusops elengii	bakul	10	fragrant flowers, good shade
9	Michelia champaka	sonchafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Averrhoa carambola	kamrakh	12	edible sweet fruits , shade tree
11	Bauhinea blackeana	Kanchan	14	Ornamental tree, scented flowers
12	Peltoforum	Pil mohor	18	copper pods visual treat ,nice sound of rustling pods ,yellow flowers
13	Spathodea campanulata	pichkari	15	huge shade giving tree, bright orangfe red flowers (april to june)with a water pichkari
14	Cassia grandis	pink shower tree	13	pink flowers
15	Plumeria alba	pandhra chafa	06	Medium sized evergreen tree, white flowers, Butterfly host plant
16	Cassia fistula	bahava	26	Ornamental , grapes like flowering, Good for roadside Plantation & provide shade
17	Tabebuia argentia	trumpet tree	08	It is a popular ornamental tree in subtropical and tropical
18	Erythrina varigata	Pangara	04	bright orange flowers
19	Ficus religiosa	Peepal	05	It is a deciduous tree. Good for shade giving

20	Pongamia pinnata	Karanj	10	It’s a fast growing desiduous tree, white, pink, purple flowers
21	Terminalia arjuna	Arjun	12	It is a evergreen tree with small white flowers
22	Syzygium cumini	Jamun	07	It is a fruit bearing evergreen tree, White flowers and Purplish-black edible berries
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)	30KW
	DG set as Power back-up during construction phase	1 no- 40 KVA
	During Operation phase (Connected load):	2835 KW
	During Operation phase (Demand load):	1215 KW
	Transformer:	2No.- 630 Kva
	DG set as Power back-up during operation phase:	1 No.- 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Total Energy Saving : i.e. (49.35% Savings) /year
Energy saving due to solar :i.e. (15.45% Savings)

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.	93.71 mwh/day
2	Bollard Lighter - Light Fitting For Landscape Area	1.02 mwh/day
3	Recesses Wall Light. - Light Fitting For Landscape Area	1.36 mwh/day
4	Solar Street Light Fitting - Pole Light On Road Side	5.47 mwh/day
5	Street Light on the Bldg.	5.84 mwh/day
6	Energy Saving by Solar Hot Water System	2223.75 mwh/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:**	8850000
	O & M cost:	177000

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	1950432.5
2	Land	Labour Camp toilets & sanitation	4,80,000
3	Health and Safety	Labour Safety Equipments and training	4,00,000
4	facility	Disinfection and Health Check-ups	51000
5	Environment Management	Environmental Monitoring cell	1,70,000
6	Environment	Environmental Monitoring	1,85,600

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	130,00,000	26,50,000
2	Solid Waste Management	1 OWC	25,75,000	5,50,380
3	Landscaping	Development & maintenance of green area	33,97,000	48000
4	Rain Water Harvesting	14 Recharge pits	1400000	100000
5	Renewable Energy	Solar Hot water solar pv	8850000	177000
6	Environmental Monitoring	-	-	1,85,600
7	Lightning arrester cost	Lightning arrester	3,60,000	-

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is located in Chikhali Area. The development will be accessible from 20 m wide service road while the internal driveways are 6 m
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	13400 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:	1246
	Number of 4-Wheelers as approved by competent authority:	317
	Public Transport:	NA
	Width of all Internal roads (m):	6.0m wide internal road is provided and 9.0 m. Turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	NO
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of residential building having 593 flats and 26 shops

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 19518.97 m2, FSI area of 32088.94 m2, Non FSI area of 39053.85 m2 and total BUA of 71142.79 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.
2. PP to relocate UGT away from toilet blocks.
3. PP to submit details of sewage line up to final disposal point.
4. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for Residential & Commercial Project- 'YashONE Wakad Central ' at S.No. 173/2/2B/1+2+3+4, 173/2/2A/1+3+4+5 , Plot 'A', village: Wakad, Taluka: Mulshi, Pune by M/s Vilas Javdekar Eco Shelters Pvt.Ltd.

Is a Violation Case: No

1.Name of Project	Residential & Commercial Project- 'YashONE Wakad Central '
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sunil Khandu Kalamkar & others through POA Holder M/s Vilas Javdekar Eco Shelters Pvt.Ltd.
4.Name of Consultant	Sneha Hi Tech Products
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC was obtained from Envt. Dpt. Govt. of Maharashtra vide no. SEIAA-EC-0000000644 dated 19.01.2019
8.Location of the project	S.No. 173/2/2B/1+2+3+4, 173/2/2A/1+3+4+5 , Plot 'A'
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Sarvesh Javdekar (M/s. Vilas Javdekar Eco Shelters Pvt. Ltd.)
Room Number:	306
Floor:	3rd floor
Building Name:	Siddharth Towers,
Road/Street Name:	Sangam Press Road,
Locality:	Near Karishma Housing Society,
City:	Pune- 411038
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Building plan was sanctioned from PCMC. Latest sanction date is 17.07.2019 IOD received.
	IOD/IOA/Concession/Plan Approval Number: IOD received - BP/EC/ Wakad/13/2019 dated 20.09.2019
	Approved Built-up Area: 32754.80
13.Note on the initiated work (If applicable)	Work was initiated on site as per the earlier EC. Till 1st July 2019,excavation for buildings A & B was done and footings work for same is in process
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	15,074.32m2
16.Deductions	2,653.67 m2
17.Net Plot area	12,420.65 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32,754.80 m2
	b) Non FSI area (sq. m.): 35,015.19 m2
	c) Total BUA area (sq. m.): 67769.99
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 32,754.80 m2
	Approved Non FSI area (sq. m.): 35,015.19 m2
	Date of Approval: 20-09-2019
19.Total ground coverage (m2)	2704.81 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.78 %
21.Estimated cost of the project	1580000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	P+22 Floors	69.90 m
2	Building B	P+22 Floors	69.90 m
3	Building C	P+22 Floors	69.90 m
4	Building D	P+22 Floors	69.90 m
5	Building E	Parking Building (2B+Gr.P+ 4 floors)	17.10 m
6	Building F (Commercial + MHADA)	2B+Ground+Mezzanine+12Floors	44.65 m
7	Clubhouse & Covered Parking structure	Clubhouse -G+1 Floor & Covered Parking structure- GP only	Clubhouse-6.45 m&Covered Parking structure- 3.15 m

23.Number of tenants and shops	Tenements: 422nos. MHADA: 36 nos. Shops & offices + studios: 160 (52+108) nos. Total - 618 nos.
24.Number of expected residents / users	Residential users: 2110 nos. MHADA: 180 nos. Studio: 540 nos. Shops & offices: 757nos. Total - 3587 nos.
25.Tenant density per hectare	410
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45.0 m.
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	Work was initiated on site as per the earlier EC. Till 1st July 2019,excavation for buildings A & B was done and footings work for same is in process
30.Details of the demolition with disposal (If applicable)	No, The project does not involve any demolition work

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pimpri Chinchwad Municipal Corporation/ Recycled
	Fresh water (CMD):	Residential: 191m3/day, MHADA+ studio : 65 m3/day , Commercial : 15m3/ day Total : 271 m3/day
	Recycled water - Flushing (CMD):	Residential: 96m3/day, MHADA+Studio: 32 m3/day , Commercial: 19 m3/day Total : 147m3/day
	Recycled water - Gardening (CMD):	20 m3/day
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	438 m3/day
	Fire fighting - Underground water tank(CMD):	Residential: 400 m3/day, MHADA+comm.: 75 m3/day
	Fire fighting - Overhead water tank(CMD):	Residential: 100m3/day, MHADA+comm. : 25 m3/day
	Excess treated water	225 m3/day
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation / Recycled
	Fresh water (CMD):	Residential :191 m3/day, MHADA+ studio : 65 m3/day , Commercial : 15 m3/ day Total : 271 m3/day
	Recycled water - Flushing (CMD):	Residential : 96 m3/day, MHADA+Studio : 32 m3/day , Commercial: 19 m3/day Total : 147 m3/day
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	418 m3/day
	Fire fighting - Underground water tank(CMD):	Residential: 400 m3/day, MHADA+comm.: 75 m3/day
	Fire fighting - Overhead water tank(CMD):	Residential: 100m3/day, MHADA+comm. : 25 m3/day
	Excess treated water	245 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7-10 m.
	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 :	2.0 X 2.0 X 2.5 m.
	Budgetary allocation (Capital cost) :	Rs.10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.75 Lakhs
	Details of UGT tanks if any :	Residential: Domestic : 287.55m3 Firefighting : 400 m3 MHADA+ commercial: Domestic: 122 m3 Firefighting : 75 m3
35.Storm water drainage	**Natural water drainage pattern:**	From East to west
	Quantity of storm water:	637.8 Cum/Hr.
	Size of SWD:	450-600 mm
Sewage and Waste water	**Sewage generation in KLD:**	Residential : 268 KLD MHADA & Comm. : 124 KLD Total : 392 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	1 STP of 280 m3/day 1 STP of 130 m3/day
	Location & area of the STP:	On ground Area: Residential (280 KLD) -99.25 m2 MHADA& commercial (130KLD) - 54 m2
	Budgetary allocation (Capital cost):	Rs. 77.18 Lakhs for Residential STP, Rs. 41.70 Lakhs for MHADA + commercial STP
	Budgetary allocation (O & M cost):	Rs. 16.11 Lakhs/ Annum for Residential STP, Rs. 10.32 Lakhs/ Annum for MHADA +commercial STP
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste will be generated from the building, mainly comprising of waste concrete, excavated soil, broken bricks, waste plaster, metallic scrap etc. Debris chute will be used to channelize the waste from the building to the point of pick up on ground.
	Disposal of the construction waste debris:	Construction debris will be used for base preparation of road and for site leveling. Dry waste will be handed over to PCMC Ghantagaadi
Waste generation in the operation Phase:	**Dry waste:**	422 kg/day for Residential, 258 kg/day for MHADA& Commercial Total - 680 kg/day
	Wet waste:	633kg/day for Residential, 292 kg/day for MHADA& Commercial Total - 925 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	82 kg/ day
	Others if any:	E-waste - 2172 kg/year

Mode of Disposal of waste:	**Dry waste:**	Handed over to PCMC Ghantagadi/SWACH for further handling & disposal purpose.
	Wet waste:	Disposed through Organic Waste Convertor. Generated manure will be used for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening purpose.
	Others if any:	E-waste : 2172 kg/year
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	OWC 1 -13.5 sq.m OWC 2 - 8.4 sq.m
	Area for machinery:	OWC 1 -54 sq.m OWC 2 - 27.6 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20.75 Lakhs for Residential OWC, Rs. 12.75 Lakhs for MHADA & commercial OWC
	O & M cost:	Rs. 4.30 Lakhs for Residential OWC, Rs. 2.79 Lakhs for MHADA & commercial OWC

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 X320 KVA DG set(Residential)	HSD	S1	3	0.125	425 deg C
2	2 X 500 KVA(MHADA & comm.)	HSD	S1,S2	3	0.125	425 deg C

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		Transportation		
42.Mode of Transportation of fuel to site		By vehicle		

43.Green Belt Development	**Total RG area :**	1380.07 m2
	No of trees to be cut :	22 nos.
	Number of trees to be planted :	245 nos.
	List of proposed native trees :	Detailed list of trees is attached as annexure in documents
	Timeline for completion of plantation :	Trees will be planted within next 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	Azadiracta indica	Neem	24	Evergreen tree, fast growing
2	Bauhinia racemosa	Apta	12	Small tree with small white flowers, Butterfly host plant
3	Pongama Pinnata	Karanj	10	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant
4	Citrus species	Lemon	10	Medicinal value, Edible fruit.
5	Dalbergia sisoo	Shisav	12	Medicinal value, Bird attracting species
6	Erythrina indica	Pangara	12	Fragrant flowers, Drought tolerant species, Birds attracting
7	Gmelina arborea	Shivan	12	Medicinal value, Drought tolerant species, Bird attracting species.
8	Mimosups elengii	Bakul	12	Fragrant flowers, Medicinal value, To control soil erosion
9	Murraya koengii	Kadipatta	10	Medicinal value, Edible leaves.
10	Aegle marmelos	Bel	12	Fragrant flowers, Bird attracting species.
11	Nyctanthus arbortristis	Parijatak	12	Fragrant flowers, Medicinal value
12	Putrnjiva roxburghii	Putrnjiva	12	Medicinal value, Drought tolerant species
13	Albizia Lebek	Shirish	10	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species
14	Syzygium cumini	Jamun	12	Medicinal value, Edible fruit.
15	Magnifera indica	Mango	14	Edible fruit, bird attracting species
16	Polyalthia longifolia	Ashoka	12	Native Indian evergreen tree, vertical growing, effective in alleviating noise pollution

17	Magnolia champaca	Son chapha	12	Evergreen tree, fragrant flowers
18	Cassia fistula	Bahawa	9	Medicinal value, drought tolerant species, ornamental flowering, host plant for honey bees & butterfly
19	Psidium guajava	Guava	9	Fruit bearing evergreen trees, attracting birds
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd.
	During Construction Phase: (Demand Load)	156.50 KW
	DG set as Power back-up during construction phase	01 nos. X 125 KVA
	During Operation phase (Connected load):	3751.24KW
	During Operation phase (Demand load):	2009.34 KW
	Transformer:	04 nos. X 630KVA
	DG set as Power back-up during operation phase:	Residential - 01 nos. X 320KVA . MHADA & comm. building- 2 nos. x 500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar water heating systems @ 125 litres per apartment.
Solar photovoltaic generation panels
LED lights for common areas.
Timer switches for street lights.
Energy efficient pumps.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving using Energy efficient LED fixtures Against Conventional CFL/T8 fixture with Electronic Ballast for Common Area	45.85 %
2	Energy Saving using Automatic Timer operation Against Manual operation for External & Common Area Lighting	35.85 %

3	Energy Saving using Solar PV System Against Electrical Supply	66.04 %
4	Energy Saving using Solar Water Heater AgainstElectrical water Heater	74.29 %
5	Energy saving using Low Loss Transformer AgainstConventional Transformer	5.00 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust	Not applicable	Water sprinklers
Sewage	Not applicable	Sewage Treatment Plant
Solid Waste	Not applicable	Organic Waste Composter
Vehicular	Not applicable	PUC check

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 166.45 Lakhs
	O & M cost:	Rs. 2.15 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water For Dust Suppression	Sprinklers system	2
2	Site Sanitation & Safety	Mobile toilets, fumigation, Personal protective equipments	10
3	Environmental Monitoring	Air, noise, water & soil	2
4	Health Check Up	Hospital	2
5	Environment Management cell	Formation of cell	8.40
6	NA	TOTAL	24.4

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	04 nos. of recharge pits	10.00	0.75
2	Sewage Treatment Plant	280 KLD + 130 KLD STP	103.60	15.56
3	Organic Waste Composter	633 + 292kg/ day	33.5	7.10
4	Tree plantation	245 nos. of trees	11.10	3.33
5	Energy Conservation	LED lighting ,Solar water heating systems, Solar photo voltaic generation,Low loss transformer	166.45	2.15
6	Environment Management Cell	Comprising of society & technical staff	0.00	6.48
7	Basement ventilation	Exhaust fans (4 nos.)	100.00	6.66

8	Environment Monitoring	Air, noise, water & soil	0	4.00
9	Basement Pumping	Stormwater dewatering in basement	7.5	0.75
10	NA	TOTAL	447.43	57.65

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project is located on 45.0m. wide D.P. road & entrance gate is planned in such a way that vehicular movement on main road will not be affected
Parking details:	**Number and area of basement:**	Parking Building - 02 nos. 983.35 sq.m. each , Commercial Building - 02 nos. 1369.37 sq.m each
	Number and area of podia:	NA
	Total Parking area:	12,854.61 sq.m
	Area per car:	29-32 sq.m
	Area per car:	29-32 sq.m
	Number of 2-Wheelers as approved by competent authority:	Total - Required : 1324nos Provided : 1324 Residential : Required - 1132 , Proposed - 1132 Commercial & MHADA : Required - 192,Proposed - 192
	Number of 4-Wheelers as approved by competent authority:	Total - Required : 347nos Provided : 347 Residential : Required - 283,Proposed- 283 Commercial & MHADA : Required-64, Proposed- 64
	Public Transport:	PMPML bus service
	Width of all Internal roads (m):	7.5 m and 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

	Category as per schedule of EIA Notification sheet	8 (a), B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 15,074.32 m2, FSI area of 32,754.80 m2, Non FSI area of 35,015.19 m2 and total BUA of 67769.99 m2.

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

DECISION OF SEAC

*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

95 SEAC-3 Day 02

SEAC Meeting number: 95 **Meeting Date** October 5, 2019

Subject: Environment Clearance for "Capricorn Green Park"

Is a Violation Case: No

1.Name of Project	"Capricorn Green Park"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Samit Ganla, of M/s. Anishka Developers Pvt. Ltd.
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance obtained vide letter dated SEAC-2212/CR488/TC-2 dated December 04, 2014
8.Location of the project	Survey No. 25/2/2A Kondhwa Bk. Tal. Haveli Dist. Pune
9.Taluka	Haveli
10.Village	Kondhawa Bk.
Correspondence Name:	Mr. Samit Ganla
Room Number:	192
Floor:	1st Floor
Building Name:	--
Road/Street Name:	Dhole Patil Road
Locality:	Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	CC 3129/18 dated 07/01/19
	IOD/IOA/Concession/Plan Approval Number: CC 3129/18 dated 07/01/19
	Approved Built-up Area: 28133.34
13.Note on the initiated work (If applicable)	Construction initiated on site as per the EC mentioned in Sr. No. 7 above
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	14200 m2
16.Deductions	2589.49 m2
17.Net Plot area	11610.51 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20,630.04 m2
	b) Non FSI area (sq. m.): 15142.45 m2
	c) Total BUA area (sq. m.): 35772.49
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 14948.70 m2
	Approved Non FSI area (sq. m.): 13184.64 m2
	Date of Approval: 07-01-2019
19.Total ground coverage (m2)	4315.41 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37 %
21.Estimated cost of the project	988300000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	2P + 20	66.90
2	Building 2	2P + 14	48.15
3	Building 3	2P + 14	48.15
4	Building 4	2P + 14	47.70
5	Building 5	Ground +7	24.00
6	Club House	Ground +1	7.00

23.Number of tenants and shops	176 Nos.
24.Number of expected residents / users	961 Nos.
25.Tenant density per hectare	176
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6.0 m wide internal driveway and 40 m wide access road (Nearest Fire Station at Kondhwa Bk It is 0.25 km away).
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	As per earlier EC Building 2, 3 and 4 is completed. Total construction Built up are = 25,996.57 m2
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):	86
	Recycled water - Flushing (CMD):	43
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	146
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	Tower 1, Tower 2, Tower 3, Tower 4 = 20 m3 each Tower 5= 25 m3
	Excess treated water	54 m3/day
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	86
	Recycled water - Flushing (CMD):	43
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	139
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	Tower 1, Tower 2, Tower 3, Tower 4 = 20 m3 each Tower 5= 25 m3
	Excess treated water	61 m3/day
Details of Swimming pool (If any)	Kids Pool :3.5 x 5.85 m Main Pool: 8.65 m x 18.50 m	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	86	86	0	12	12	0	74	74
Domestic	0	43	43	0	2	2	0	41	41
Gardening	0	7	7	0	7	7	0	0	0
Domestic	0	10	10	0	1	1	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 18.67 m. to 28.33 m. BGL. (23.50 M. Average) Rainy Season – 9.00 m. to 12.00 BGL. (10.50 M. Average) Winter Season – 13.84 m. to 20.17 m. BGL. (17.00 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos.
	Size of recharge pits :	a) 2.00 m. X 2.00 m. X 2.00 m. Depth (For roof top) & b)1.75 m. X 1.75 m. X 1.50 m. (For surface run off) with 55 to 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pitsof 0.9 m. Dia. 1.0 m. Depth.
	Budgetary allocation (Capital cost) :	Rs.10.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.80 lakhs /annum
	Details of UGT tanks if any :	• Domestic UG tank Capacity: 183 m3 • Flushing water tank: 77 m3 • Raw Water Tank :30 m3
35.Storm water drainage	**Natural water drainage pattern:**	Slope from East to West
	Quantity of storm water:	128.78 m3/ day
	Size of SWD:	External :– -300 mm Internal :– 200 mm
Sewage and Waste water	**Sewage generation in KLD:**	115
	STP technology:	CAMUS SBT Technology
	Capacity of STP (CMD):	1 no. of STP - Capacity of STP (CMD) : 125
	Location & area of the STP:	On ground, Total Area is 133.38 m2
	Budgetary allocation (Capital cost):	Rs. 52.65 Lakhs
	Budgetary allocation (O & M cost):	Rs. 2.90 Lakhs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	36 kg/day and Excavation Quantity –26287 m3 Reused for Filling and remaining send outside through Authorized vendor
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads.
Waste generation in the operation Phase:	**Dry waste:**	288 kg/day
	Wet waste:	192 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 kg/day
	Others if any:	E-waste: 481 kg/year

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in 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 recyclers for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	25 m2
	Area for machinery:	Total area- 5 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6.00 Lakhs
	O & M cost:	Rs. 2.00 Lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG 125 kva – 2 Nos.	50 lit/hr	2 Nos.	4.5 m	0.03	450 oC

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	Diesel	Diesel
41.Source of Fuel		Local Dealer		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	As per Sanction : 1365.94 m2+ Additional 344.9 = Total 1730.84 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	111 Proposed + 243 Nos. Compensatory = 354 Nos.
	List of proposed native trees :	Refer Below list:
	Timeline for completion of plantation :	Till operation phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Casia fistula	Bahava	21	Have medicinal properties and larval host for butterflies
2	Millettia pinnata	Karanj	50	Host for butterflies, Nitrogen Fixing Plants
3	Spathodea campanulata	African Tulip tree	13	reddish-orange flowering tree
4	Terminalia mantaly	Madagascar	10	Evergreen tree
5	Tabebuia rosea	Pink trumpet tree	16	Native to continental America, Pink trumpet is a tall, fast-growing tree
6	Schefflera actinophylla	Octopustree	11	Umbrella shaped small tree
7	Millingtonia hortensis	Indian Cork Tree	6	Fragrance flowering tree
8	Bulea monosperma	Palas	29	Small tree
9	Minusops elengi	Bakul	11	Shady flowers with white small fragrant flower
10	Neolamarckia cadamba	Kadamb	2	Shady, large tree, ball shaped flowers
11	Largestromia speciosa	Pride of India	9	Medium size ornamental tree with pink flowers
12	Codia sebestena	Scarlet tree	10	Small size ornamental tree with dark orange flowers Small tree
13	Plumeria rubra	Frangipani	8	Small size ornamental tree with white flowers
14	Thevetia peruviana	Maxican oleander	18	Evergreen, yellow flower tree
15	Nerium oleander	Kaner	19	evergreen r small tree with yellow flowers
16	Nerium oleander-white	Kaner white	12	commonly grown small tree . Its shiny evergreen foliage and showy flowers
17	Legerstroemia speciosa	Tamhan	32	Small tree with fragrant flowers
18	Tecoma stans	Yellow elder	19	it's early flowering, heat tolerance, vigor, and pest resistance. The flowers are bright yellow
19	Plumeria pudica	Wild Plumeria	58	Evergreen tree, The flowers are not fragrant. The plant looks attractive because of its beautiful leaves.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL.
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	1920.59 kW
	During Operation phase (Demand load):	899.33 kW
	Transformer:	630 kVA – 2 nos.
	DG set as Power back-up during operation phase:	125 kVA- 2 nos.
	Fuel used:	Fuel Requirement FOR -125 kVA 2 Nos. Fuel Requirement :50 lit./hr @ 75 % Load Stack Height- 4.5 m above bldg
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy saving by using energy saving measures
Using LED lights instead of T8 fluorescent lights
VFD's on Lifts
BEE star rated Equipment
Using High efficient pump
solar pv Panel
Solar Hot water

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common Area Lighting using LED Lights	60 %
2	Parking Area Lighting using LED Lights	60 %
3	External Area Lighting using LED Lights & Timer	60 %
4	Building Solar PV System	1 %
5	Energy saving using VFD	20 %
6	Solar Hot Water	7 %
7	Total Energy saving by using energy saving measures-	20 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Waste water	STP 125 m3/day capacity	STP 125 m3/day capacity
Solid waste	--	Proposed 1 No. ORGANIC WASTE CONVERTER

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 23.00 Lakhs
	O & M cost:	Rs. 2.00 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading , Monitoring and Testing	0.60
2	Water Environment	Monitoring and Testing, Tanker for construction work , Water Testing , Drinking water for construction labours	1.72
3	Land Environment	Labour toilets & sanitation	0.60
4	Biological Environment	Top Soil Preservation	0.18
5	Socio-economic environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up.	3.00
6	Safety Training	PPE and training	1.70
7	Environment Management	Environment Management	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP -SBT Technology	52.65	2.90
2	Solid Waste Management	OWC	6.00	2.00
3	Landscaping	Development and Maintenance	32.00	7.50
4	Rain Water Harvesting	Recharge Pits	10.00	0.80
5	Energy Saving	Energy saving measures	23.00	2.00
6	Swimming Pool	Swimming Pool	38.00	1.37
7	Lightening Arrestor	Lightening Arrestor 2-Nos.	6.00	0.12
8	Environmental Monitoring	Environmental Monitoring	--	17.08

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One Main Junction from Site to Main Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3185 m2
	Area per car:	12.5 m2without drive way
	Area per car:	12.5 m2without drive way
	Number of 2-Wheelers as approved by competent authority:	355 Nos.
	Number of 4-Wheelers as approved by competent authority:	198 Nos.
	Public Transport:	local transport facility
	Width of all Internal roads (m):	6 m. wide internal road and 7.5 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) B2 Building & Construction Project
	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

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP had submitted application for prior Environmental clearance for total plot area of 14200 m2, FSI area of 20,630.04 m2, Non FSI area of 15142.45 m2 and total BUA of 35772.49 m2.

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

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed Rs. 40 Lakh for drinking water supply to 30 homes in Village. This is responsibility of Grampanchayat. PP to propose some other activity useful for public at large.

2. PP to submit details of internal storm water drain up to final disposal point.

3. PP to submit site specific executable EMP.

4. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

5. PP to submit details of STP.

6. PP to submit master layout superimposing all environmental parameters.

7. PP to obtain and submit following NOC's: (a) Water supply with quantity, (b) solid waste / e-waste management.

8. PP to submit RG plan indicating trees to be retained and to be cut. PP to submit plantation plan incorporating local native fruit bearing trees.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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