SEIAA-STATEMENT-0000000506 :

Environment Clearance for Proposed Project "Ivory" at Sr.No-1191 (old 2142) & 1190 (old 2193), Wagholi, Pune..(Compliance case)

As the proposal is required to appraise as a fresh proposal ,SEAC decided to postpone the case and consider the proposal after the due process.

SEIAA-STATEMENT-0000000510

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

As the proposal is require to appraise as a fresh proposal , Committee decided to postponed the case and decided to consider the proposal after the due process

SEIAA-STATEMENT-0000000563

Amendment in Environment Clearance for Proposed Group Housing Scheme at Gat Nos. 44(Pt.), 49(Pt.), 129(Pt.), 130/1/A (Pt.), 130/1/B, 130/2, 130/3(Pt.) & 130/4(Pt.) at Mahalunge, Taluka - Khed, Dist. - Pune-1.(Compliance Case)

Committee decided to postponed the case and decided to consider the proposal in upcoming meeting.

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Expansion of proposed Residential cum Commercial Development

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Vaastu Viva by M/s B.U Bhandari vaastu
2.Type of institution	Private
3.Name of Project Proponent	Mr.Anuj Bhandari
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) Lab Gazetted by MoEf - Govt. Of India. NABET Certificate no : NABET/EIA1417/SA0011
5.Type of project	Expansion of proposed Residential cum Commercial Development
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	EC obtained vide no. SEAC-III-2014/CR-326/TC-3; Dated: 16th March 2016Not applicable
8.Location of the project	Survey No. 130/3/1, 130/3/2, 130/2/4(P)
9.Taluka	Haveli
10.Village	Wakad
11.Area of the project	Pimpri Chinchwad municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	BP/layout/ENV/Wakad/12/2015 & BP/layout/ENV/Wakad/10/2016
	IOD/IOA/Concession/Plan Approval Number: BP/layout/ENV/Wakad/12/2015 & BP/layout/ENV/Wakad/10/2016
	Approved Built-up Area: 46984.91
13.Note on the initiated work (If applicable)	work has been initiated as per the EC obtained vide no. SEAC-III-2014/CR-326/TC-3; Dated: 16th March 2016 Status of Construction : Lower & Upper Parking Slab of D & A building is completed & First Floor Slab Of A building is completed total 2701.42 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	11,743.81 m2
16.Deductions	1,619.97 m2
17.Net Plot area	10123.84 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22,276.65
	b) Non FSI area (sq. m.): 24,708.26
	c) Total BUA area (sq. m.): 46984.91
19.Total ground coverage (m2)	2888.21
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.59%
21.Estimated cost of the project	796000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A(1 building)	LP + UP +12	40.48
2	B(1 building)	LP + UP +12	40.48
3	C(1 building)	LP + UP +12	40.48
4	D(1 building)	LP + UP + 4	20.20
5	E(MHADA)	LP+UP/G+11	37.49

23.Number of tenants and shops	Tenements: 334 shops/Showrooms:6 Offices:10
24.Number of expected residents / users	Fixed: 1670Nos. Floating: 137Nos.
25.Tenant density per hectare	329.9/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)	24 m wide external road, nearest fire station- Pimpri fire station is about 6.9 Km from the site
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 with 9 m turning radius
29.Existing structure (s) if any	work has been initiated as per the EC obtained vide no. SEAC-III-2014/CR-326/TC-3; Dated: 16th March 2016 Status of Construction : Lower & Upper Parking Slab of D & A building is completed & First Floor Slab Of A building is completed total 2701.42 m2
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	153
	Recycled water - Flushing (CMD):	80
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	253
	Fire fighting - Underground water tank(CMD):	350
	Fire fighting - Overhead water tank(CMD):	20 per Residential Building
	Excess treated water	110
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	153
	Recycled water - Flushing (CMD):	80
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	233
	Fire fighting - Underground water tank(CMD):	350
	Fire fighting - Overhead water tank(CMD):	20 per Residential Building
	Excess treated water	130
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	253	253	Not applicable	25	25	Not applicable	209	209

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Between 12.0 m to 15.0 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:	10 Recharge pits
	Size of recharge pits :	2.0 m. X 2.0 m
	Budgetary allocation (Capital cost) :	Rs 4.00 Lakh
	Budgetary allocation (O & M cost) :	Rs 1.00 Lakhs/annum
	Details of UGT tanks if any :	Residential: Location of the UGT Tanks: near D building Area Required = 350 m2 Domestic Water Storage Tank= 153 m3 Drinking Water Storage Tank= 30.50 m3 Fire Fighting Tank= 350 m3 Total = 533.50 m3 Flushing and Garden water storage Tank= 38.00 m3 (Provided in residential S.T.P.) Residential: Mhada bldg) Location of the UGT Tanks: near E building Area Required = 30 m2 Domestic Water Storage Tank= 36 m3 Drinking Water Storage Tank= 7.50 m3 Fire Fighting Tank= (Considered earlier in residential) Total = 43.50 m3 Flushing and Garden water storage Tank= 7.00 m3 (Provided in Mhada S.T.P.) Commercial: Location of the UGT Tanks: near D building Area Required = 9 m2 Treated Water Storage Tank=3 m3 Drinking Water Storage Tank= 1.5 m3 Fire Fighting Tank= (Considered earlier in residential) Total = 4.5 m3 Flushing and Garden water storage Tank (Considered In Residential S.T.P.)
35.Storm water drainage	**Natural water drainage pattern:**	South to East
	Quantity of storm water:	6806 m3/year
	Size of SWD:	300 mm Dia. 600 mm external

Sewage and Waste water	**Sewage generation in KLD:**	209
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1(MHADA):45;STP 2(Residential and Commercial):170
	Location & area of the STP:	Near Open space,Area of STP 1 : 41 sqm; Area of STP 2:105 sqm
	Budgetary allocation (Capital cost):	Capital cost of STP 1:Rs 11.90 ;Capital cost of STP 2 :Rs 40 lakhs
	Budgetary allocation (O & M cost):	Rs 16.00 Lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 Kg/day
	Disposal of the construction waste debris:	Used in back-filling and levelling. Balance will be handed over to authorized agency/site
Waste generation in the operation Phase:	**Dry waste:**	316 kg/day
	Wet waste:	487 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	14 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Handed over to SWACH
	Wet waste:	Will be treated in Organic Waste Converter.
	Hazardous waste:	Will be handed over to authorized hazardous waste collection agency
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure for Landscaping after treatment
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Near D building
	Area for the storage of waste & other material:	14
	Area for machinery:	14
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 15 Lakhs
	O & M cost:	Rs 9.00 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	DG Set	HSD	1	Above 3 Mtr.from habitable space	150 mm dia upto 10 mtr 100 mm dia above 10 mtr.	522°C

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Total RG Area:1125.26
	No of trees to be cut :	3
	Number of trees to be planted :	176
	List of proposed native trees :	176
	Timeline for completion of plantation :	Till the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia purpurea	Kanchan	05	Every part of plant is medicinal, Drought tolerant species
2	Anthocephalus Cadamba	Kadamb	09	Native, Medicinal, Flowering, attracts birds & insects
3	Buteamonosperma	Palas	13	Native, Drought Tolerant, Hardy, Flowering, attracts birds and insects
4	Cassia fistula	Bahava	20	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly
5	Erythrina indica	Pangara	05	Native, Drought tolerant specie, Hardy, Flowering, attracts birds & insects
6	Ficus microcarpa	Nandruk	18	Native, Drought tolerant specie, Hardy, Flowering, attracts animals & birds
7	Lagerstoremiaflos-reginae	Taman	16	Native, Medicinal value, To control soil erosion
8	Magnolia grandiflora	Magnolia	28	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
9	Michelia champaca	Son chafa	30	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
10	Mimusops elengi	Bakul	05	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing

11	Spathodea campanulata	Pichkari	09	Naturalised, hardy, Flowering, Attracts insects & birds
12	Tabebuia rosea	Tabebuia	09	Ornamental, Fast Growing. Fast Growing, Bird attracting species, Hardy plant.
13	Azardicta indica(Compensataory trees planted for cut trees)	Neem	09	Native, Medicinal value, To control soil erosion
14	Total	Not Applicable	176	Not Applicable
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	Nerium oleander pink	750	210
2	Bougainvillea	1200	70
3	Canna species (yellow)	450	130
4	Calliandra emarginata	1200	80
5	Cassia biflora	1200	65
6	Gardenia jasmenoides	900	180
7	Total	Not Applicable	735

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	972 KW/ 1215 KVA
	During Operation phase (Demand load):	585 KW/ 730KVA
	Transformer:	02 nos. 630KVA
	DG set as Power back-up during operation phase:	1 Nos. x 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes, NOC obtained from MSEDCL

48.Energy saving by non-conventional method:

Timers and contactors will be used to switch on / off common area & external landscape and facade lighting
Light Emitting Diode (LED) will be used for corridors Lobbies and common areas
Solar Powered water heating
Solar PV of 5 KW is proposed for Common Area Lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common area & external landscape and facade lighting	21%
2	Light Emitting Diode (LED) will be used for corridors Lobbies and common areas	32%
3	Solar Powered water heating	95%

4	Solar PV of 5 KW is proposed for Common Area Lighting.	25%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	2 STP's with MBBR technology
OWC	Not applicable	Organic Waste Converter.
DG Set	Not applicable	Stack as per CPCB guidelines

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	INR 141.5 Lakhs
	O & M cost:	INR 12.85 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Tanker Water For Construction	1.12
2	Water	Water Monitoring	0.60
3	Air	Water For Dust Suppression	2.16
4	Air	Air & Noise Monitoring	0.48
5	Land	Site Sanitation- Mobile toilets	5.00
6	Biological Environment	Gardening Set Up	6.00
7	Socio Economic	Disinfection- Pest Control	3.52
8	Socio Economic	First Aid Facilities	2.00
9	Socio Economic	Health Check Up	0.18
10	Socio Economic	Creches For Children	0.3
11	Socio Economic	Personal Protective Equipment	0.5
12	Total	Not Applicable	21.86

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP 1	45 KL	11.90	4.00
2	STP 2	170 KL	40.00	16.00
3	Environmental Monitoring	MoEF & CC approved laboratory	Not Applicable	15.75
4	Gardening	Gardening and plantation	31.7	1.83
5	Solid waste	OWC	15	9
6	Energy Saving	Energy Conservation Measures	141.5	12.85
7	Rain Water Harvesting	6 RWH pits	4.00	1.00
8	Total	Not Applicable	244.1	60.43

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:	12 m service road towards west and 24 m wide DP road towards east
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	7154.61
	Area per car:	For Lower Parking : 35.53 m2 For Upper parking: 38.70 m2
	Area per car:	For Lower Parking : 35.53 m2 For Upper parking: 38.70 m2
	Number of 2-Wheelers as approved by competent authority:	752
	Number of 4-Wheelers as approved by competent authority:	195
	Public Transport:	Nearest bus stop
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

Proposed project "VAASTU VIVA"AtS. No. 130/3/1, 130/3/2, 130/2/4(P); Village -Wakad, Tehasil – PimpriChinchwad, District -Pune.(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 11,743.81 Sq. Mtrs, BUA of 46,984.91 Sq. Mtrs and FSI area of 22,276.54 Sq. Mtrs. PP proposes to construct 4 nos. of residential buildings,1 no. MHADA building having maximum height of 40.48 Mtrs including 4 shops, 2 showrooms,10 offices and a club house.

PP has obtained earlier EC no. SEAC-III-2014/CR-326/TC-3 dated 16.03.2016for the total plot area of 11,743.81 Sq. Mtrs, BUA of 34,376.19 Sq. Mtrs and FSI area of 16,824.61 Sq. Mtrs comprising of 3 nos. of residential building, 1 no. of MHADA building, 2 nos. of commercial building and a club house. Now PP has applied for amendment in earlierEC.

The case was earlier considered in 54thmeeting of the SEAC – III held from 19th to 23rd September, 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. 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:

1) PP informed that they have obtain full potential sanction.

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Application for Environmental clearance for residential construction project

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Shri Mahaganesh nagari
2.Type of institution	Private
3.Name of Project Proponent	Harikrupa Builders
4.Name of Consultant	Not required
5.Type of project	Housing
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	Not applicable as Existing Built up area less than 10000 sqm
8.Location of the project	Survey No. 31/2/2B, 36/1A, 36/2B/7, 37/5A/7, 37/5A/2, Mundhwa, Pune
9.Taluka	Haveli
10.Village	Mundhwa
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Total constructed work 7610.59 Sqm. FSI: 7610.59 Sqm • Date and area details in the necessary approvals issued by the competent authority: As per sanction dated 31/3/2001
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	19700 sqm
16.Deductions	39016.15 sqm
17.Net Plot area	15793.85 sqm
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing FSI: 7610 sqm; Proposed FSI: 15382.70 sqm
	b) Non FSI area (sq. m.): Exisitng Non FSI: 0; Proposed Non FSI: 18255.31 sqm
	c) Total BUA area (sq. m.): Total FSI: 22993.29 sqm; Total Non FSI: 18255.31 sqm; Total BUA: 41248.60 sqm
19.Total ground coverage (m2)	5840 sqm approx
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37%
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Exisiting: Building A: 1 number	P+4	14.60 m
2	Existing: Building B: 1 number	P+4	14.60 m
3	Existing: Building C: 1 number	P+4	14.60 m
4	Existing: Building D: 1 number	P+4	14.60 m
5	Existing: Building E: 1 number	P+4	14.60 m
6	Existing: Building F: 1 number	P+4	14.60 m
7	Existing: Building G: 1 number	P+4	14.60 m
8	Existing: Building H: 1 number	P+4	14.60 m
9	Existing: Building I: 1 number	P+4	14.60 m
10	Existing: Building J: 1 number	P+4	14.60 m
11	Proposed: Building K: 1 number	P+4	14.60 m
12	Proposed: Building L: 1 number	P+11	34.35 m
13	Proposed: Building M: 1 number	P+12	37.20 m
14	Proposed: Building N: 1 number	P+12	37.20 m

15	Proposed: Building O: 1 number	P+4	14.6 m
16	Proposed:Amenity building: 1 number	LG+G+4	17.5 m

23.Number of tenants and shops	Existing: 160 Proposed:310 Amenity area: 2783.45 sqm
24.Number of expected residents / users	Existing: 800; Proposed residential: 1550; Proposed Amenity: 928
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	10 no. of residential buildings
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**	Mundhwa Gram Panchayat
	Fresh water (CMD):	160 KLD
	Recycled water - Flushing (CMD):	94 KLD
	Recycled water - Gardening (CMD):	10 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	254 KLD
	Fire fighting - Underground water tank(CMD):	150 KLD
	Fire fighting - Overhead water tank(CMD):	45 KLD
	Excess treated water	121 KLD

Wet season:	**Source of water**	Mundhwa Gram Panchayat
	Fresh water (CMD):	160 KLD
	Recycled water - Flushing (CMD):	94 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	254 KLD
	Fire fighting - Underground water tank(CMD):	150 KLD
	Fire fighting - Overhead water tank(CMD):	45 KLD
	Excess treated water	131 KLD
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	108	160	268	0	10	10	100	197	297
Gardening	0	10	10	0	10	10	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	28-30 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:	10
	Size of recharge pits :	1.5 m x 1.5 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs 5,86,000/-
	Budgetary allocation (O & M cost) :	Rs 39,000/- per annum
	Details of UGT tanks if any :	Residential: Domestic UGT Capacity: Existing: 140.13 Cum; Proposed: 152.75 Cum Drinking UGT Capacity: Existing: 30 Cum; Proposed: 58.13 Cum Fire UG tank Capacity: Existing: NA; Proposed:150 Cum Flushing UGT Capacity: Existing:NA; Proposed: 106.6 Cum Fire OHT: 35 KLD Amenity: Domestic UG tank Capacity: 27.84 Cum Fire UG tank Capacity: NA Flushing UG tank Capacity: 34.8 Cum Fire OHT: 10 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	13540.14 cum/yr
	Size of SWD:	450 mm x 300 mm diameter

Sewage and Waste water	**Sewage generation in KLD:**	Existing: 100 KLD; Proposed (Residential): 197 KLD ; Proposed (Amenity): 39.90 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Residential: 320 KLD; Proposed: 45 KLD
	Location & area of the STP:	Pl refer layout
	Budgetary allocation (Capital cost):	Residential: Rs 86,10,000/- ; Amenity : 24,98,000/-
	Budgetary allocation (O & M cost):	Residential: 11,95,000/- per annum; Amenity: Rs 4,98,000/- per annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of total raw materials
	Disposal of the construction waste debris:	For back filling
Waste generation in the operation Phase:	**Dry waste:**	Existing: 140 kg/capita/day; Proposed (Residential): 271 kg/capita/day; Proposed (Amenity): 93 kg/capita/day
	Wet waste:	Existing: 228 kg/capita/day; Proposed: 441 kg/capita/day; Proposed (Amenity): 46 kg/capita/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Existing: NA; Proposed: 64 kg/day
	Others if any:	E-waste: 350 kg/year
Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure after OWC treatment
	Others if any:	E-waste: Through authorized vendor
Area requirement:	**Location(s):**	Pl refer layout
	Area for the storage of waste & other material:	Residential: 54.475 sqm; Amenity: 12.553 sqm
	Area for machinery:	Residential: 29.805 sqm; Amenity: 7.448 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	OWC 1: Rs 22,67,000/-; OWC 2: Rs 10,58,000/-
	O & M cost:	OWC1: Rs 3,96,000/- per annum; OWC 2: 1,35,000/- per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.5-8.5	6.5-7.5	NA
2	BOD	mg/l	300	<10	Not to exceed 10
3	COD	mg/l	400	<30	Not to exceed 100
4	TSS	mg/l	250	<10	Not to exceed 50
5	Oil and grease	mg/l	15	<5	NA
6	Total Kjeldahl Nitrogen	mg/l	45-50	<5	NA
7	Ammonical nitrogen	mg/l	25-35	<5	NA
8	Phosphorus	mg/l	4-8	<5	NA
9	Faecal coliform	no./100 ml	10000000-100000000/100	Nil	NA

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 :	1858.1 sqm
No of trees to be cut :	0
Number of trees to be planted :	117
List of proposed native trees :	As per below list
Timeline for completion of plantation :	1 year

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	7	Large tree, good for roadside plantation
2	Anthocephalus cadamba	Kadamb	9	Shady, large tree, ball shaped flowers
3	Caryota urens	Fish tail palm	20	Evergreen tree
4	Erythrina indica	Pangara	7	Medium sized deciduous tree., bright scarlet flowers
5	Murraya paniculata	Kunti	12	Small tree, fragrant white flowers, butterfly host plant
6	Michelia champaca	Sonchafa	9	Medium sized tree, fragrant yellow flowers, butterfly host plant
7	Saraca Indica	Sita Ashok	12	Shady tree
8	Lagerstromia flosregineae	Taman	10	State flower tree of Maharashtra, medium sized tree, beautiful purple flowers
9	Manikara zapota	Chiku	12	Evergreen fruit bearing tree

10	Butea monosperma	Palas	4	Medium sized deciduous tree, beautiful orange flowers, butterfly host plant
11	Gmelia arborea	Shivam	8	Fast growing tree with beautiful yellow flowers
12	Annona Squamosa	Sitafal	7	Evergreen fruit bearing trees
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	Proposed Building: 1201 KW; Exisitng Building: 580 KW; Amenity: 162.2 KW
	During Operation phase (Demand load):	Proposed Building: 1019.9 KW; Exisitng Building: 403 KW; Amenity: 157 KW
	Transformer:	Proposed Building: 630 KVA x 2; Exisitng Building:630 KVA x 1; Amenity: 315 KVA x 1
	DG set as Power back-up during operation phase:	500 KVA x 1; 100 KVA x 1
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using conventional CFL & LED	11.23
2	Using low loss transformer	8.57
3	Using solar water heating	75.34

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 36,00,000/-
	O & M cost:	Rs 1,80,000/- per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppresion measures and barricading	2
2	Site safety	Safety equipments, safety nets, sign boards etc	3
3	Site sanitation	Treatment for waste and waste water, mobile toilets	1.5
4	Disinfection and health check up	Medical camp for workers, disinfection of drinking water etc	2
5	Environmental monitoring	Air, water, noise, soil analysis	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Residential + amenity)	Including external drainage connection, installation and operation	111.08	17
2	Rain water harvesting	internal pipings	5.86	0.39
3	Storm water networking	Upto final disposal	6.5	0.65
4	Solid waste management	Installation and operation of OWC	33.25	3.85
5	Landscape	Plantation of trees, maintening the lawn	11.05	1.8
6	Energy	Solar panels and other renewable energy installation and operation	36	1.8
7	Environmental monitoring	Air, water, noise, soil analysis	0	1.6
8	Safety training and awareness	fire training	9	0
9	Water supply by tankers	In case of emergency	0	5.4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	4660.8
	Area per car:	Covered: 30 sqm; Lower ground: 35 sqm
	Area per car:	Covered: 30 sqm; Lower ground: 35 sqm
	Number of 2-Wheelers as approved by competent authority:	507
	Number of 4-Wheelers as approved by competent authority:	77
	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	Category 8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-07-2016

Brief information of the project by SEAC

At S. no. 31/2/2B, 36/1A, 36/2B/7, 37/5A/1, 37/5A/2 ,Village.Mundhwa,TalukaHaveli,Distt.Pune , Tehasil Haveli, District Pune .**(Compliance case)**

DECISION OF SEAC

PP remained absent.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for "Construction of 348 nos. Residential Quarters and Administrative Buildings Including all Infrastructural Amenities for Commissioner of Police Nagpur"

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	"Construction of 348 nos. Residential Quarters and Administrative Buildings Including all Infrastructural Amenities for Commissioner of Police Nagpur" Proposed Residential & commercial Project
2.Type of institution	Government
3.Name of Project Proponent	Nagpur Improvement Trust
4.Name of Consultant	Name: Mr. H.K. Desai M/s. Enviro Analysts & Engineers Pvt. Ltd. Address: B-1003, Enviro House, 10th Floor, Western Edge II, Western Express Highway, Borivali (E), Mumbai - 400066.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New peoject
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Kh. No. 192 (Part),193 (part) & 194, city survey No. 216, sheet No. 156, Mouza Nagpur
9.Taluka	Nagpur
10.Village	Nagpur
11.Area of the project	Nagpur Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	APPROVED PLAN
	IOD/IOA/Concession/Plan Approval Number: NIT/E.A.(EAST)/796
	Approved Built-up Area: 42115.940
13.Note on the initiated work (If applicable)	NO CONSTRUCTION IS STARTED
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	PLANS ARE APPROVED BY NIT
15.Total Plot Area (sq. m.)	19365.079
16.Deductions	5020.507
17.Net Plot area	14344.572
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26800.628
	b) Non FSI area (sq. m.): 15314.966
	c) Total BUA area (sq. m.): 42115.594
19.Total ground coverage (m2)	7222.940
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.30
21.Estimated cost of the project	1440000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	P.I./P.S.I. BUILDING	S+12	40.45
2	CONSTABLE BUILDING	S+P+9, S+P+8, S+P+9	34.25
3	POLICE STATION BUILDING	G+3	14.95
4	DCP/ACP OFFICE	G+1	8.10
5	COMMERCIAL BUILDING	G+2	11.90
6	CLUB HOUSE	G+1	8.10

23.Number of tenants and shops	RESIDENTIAL BUILDING 348 FLATS, POLICE STATION BUILDING 21 OFFICES, 1 WAITING ROOM, 5 LOCKUP ROOM, DCP/ACP OFFICE BUILDING 8 OFFICES, 2 WAITING ROOMS, COMMERCIAL BUILDING 21 SHOPS, 1
24.Number of expected residents / users	2566
25.Tenant density per hectare	212.29

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 wide road is abutting to plot
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.0 mt.
29.Existing structure (s) if any	Existing police Colony and police station is there and it will demolished after getting EC
30.Details of the demolition with disposal (If applicable)	Demolished waste material will be used in nearest NIT site Kh. No. 119,120,67,63,61,69,70,71,74,72,75,102/2& 103/1 at Mouza Chikhali (Deo) in Eastern Industrial area scheme for levelling of NIT plots.

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**	Nagpur Municipal Corporation
	Fresh water (CMD):	172
	Recycled water - Flushing (CMD):	100
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	297
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	88
Wet season:	**Source of water**	Nagpur Municipal Corporation /RWH
	Fresh water (CMD):	172/67
	Recycled water - Flushing (CMD):	100
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	282
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	103

Details of Swimming pool (If any)	NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	172	172	0	35	35	0	137	137
Gardening	0	15	15	0	0	0	0	0	0
Domestic	0	100	100	0	0	0	0	100	100

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4.5 TO 12 M
	Size and no of RWH tank(s) and Quantity:	2 NUMBERS OF RWH TANKS 110 CUM AND 110 CUM
	Location of the RWH tank(s):	UNDERGROUND
	Quantity of recharge pits:	4 NOS.
	Size of recharge pits :	3.8 M x 3.8 M
	Budgetary allocation (Capital cost) :	20 LAKHS
	Budgetary allocation (O & M cost) :	2.5 LAKHS
	Details of UGT tanks if any :	Domestic UG Tank Capacity : 300 Cum Flushing UG tank Capacity : 65 Cum RWH UG tank Capacity : 220 Cum Fire water tank : 150 Cum
35.Storm water drainage	**Natural water drainage pattern:**	The natural slope for drainage is from SW to NE.
	Quantity of storm water:	0.2943 CUM/SEC
	Size of SWD:	600 MM
Sewage and Waste water	**Sewage generation in KLD:**	237
	STP technology:	MBBR
	Capacity of STP (CMD):	1 NUMBER 260 KLD CAPACITY
	Location & area of the STP:	ON GROUND 200 M2
	Budgetary allocation (Capital cost):	80 LAKHS
	Budgetary allocation (O & M cost):	5 LAKHS

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	DEMOLISHED WASTE: REMOVING AND RESETTING MANGLORE TILES 284.876 SQ.M., G.I. AND A.C. SHEETS 5050.076 SQ.M., RCC WORK 25.334 CUM, REMOVING CEMENT TILES OR MARBELS 6737.160 SQ.M., W.C. PANS 105 NOS, IRON PIPES 84 RMT., DOORS AND WINDOWS 519. CONSTRUCTION PHASE: EXCAVATED MATERIAL 15446.416 CUM, EMPTY CEMENT BAGS 435000 NOS, AGGREGATES 6700CFT, SCRAP 35 T, EMPTY PAINT CANS 1500 NOS, WASTE TILES.
	Disposal of the construction waste debris:	Preconstruction phase: Demolished waste material will be used in nearest NIT site Kh. No. 119,120,67,63,61,69,70,71,74,72,75,102/2& 103/1 at Mouza Chikhali (Deo) in Eastern Industrial area scheme for levelling of NIT plots and some others are sold to recycles. construction phase: excavated materials will be used in leveling of site and some others are sold to recycles.
Waste generation in the operation Phase:	**Dry waste:**	493 kg/day
	Wet waste:	584 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	12 KG/DAY
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	WILL BE MANAGE THROUGH RECYCLERS
	Wet waste:	PROCESS IN OWC AND MANURE OBTAINED USED FOR LANDSCAPING
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	USE AS MANURE
	Others if any:	NA
Area requirement:	**Location(s):**	36.96 SQ.M.
	Area for the storage of waste & other material:	11 SQ.M.
	Area for machinery:	22 SQ.M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22 LAKHS
	O & M cost:	2 LAKHS

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8.5	6.5-7.5	6.5-9.0
2	COD	mg/\	<400	<30	250
3	BOD	mg/\	<300	<10	100
4	SUSPENDED SOLIDS	mg/\	<200-300	<5	100
5	OIL & GREASE	mg/\	<10-20	<5	10

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 :**	2904.786
	No of trees to be cut :	33
	Number of trees to be planted :	200
	List of proposed native trees :	Azadirachta indica 20, Delonix regia 20, Ficus racemosa 20, Mangifera indica 20, Gmelina arborea 20, Syzygium cumini 20, Phyllanthus emblica 20, Terminalia Tomentosa, Terminalia arjuna, Pongamia pinnata 20.
	Timeline for completion of plantation :	AT THE END OF THE CONSTRUCTION PERIOD

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	Azadirachta indica	Neem	20	Evergreen & native avenues roadsides for shade, used as windbreak, purifies air.
2	Delonix regia	Gulmohar	20	Deciduous tree with orange; red flowers, ornamental
3	Ficus racemosa	Udumbara	20	Evergreen, Native, flowering and fruiting tree with medicinal value.
4	Mangifera indica	Mango	20	Evergreen, fruiting tree with medicinal value
5	Gmelina arborea	Gamhar	20	Deciduas, fast growing , flowering with medicinal value.
6	Syzygium cumini	Jamun	20	Evergreen, Native, flowering and fruiting tree
7	Phyllanthus emblica	Awla	20	Evergreen, fruiting tree with medicinal value
8	Terminalia Tomentosa	Asan	20	Deciduous tree with medicinal value
9	Terminalia arjuna	Arjun	20	Deciduous tree with medicinal value, white flowers
10	Pongamia pinnata	Karanja	20	It is a medium sized glabrous, perennial tree, flower and seeds of this plant also have medicinal properties
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	100 KVA
	During Operation phase (Connected load):	1711 KW
	During Operation phase (Demand load):	1267 KW
	Transformer:	3 X 315 KVA
	DG set as Power back-up during operation phase:	1 X 200 KVA, 1 X 160 KVA, 1 X 65 KVA
	Fuel used:	DIESEL
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

SOLAR LIGHTING WILL BE PROVIDED FOR LANDSCAPE/ROAD/FACADE AREA, LED LIGHTS WILL BE PROVIDED FOR COMMON AREA AND STAIRCASES (FROM STILT AREA TO TOP), LIFT WITH VFDS WILL BE PROVIDED, SOLAR HOT WATER SYSTEM WILL BE PROVIDED, ENERGY EFFICIENT MOTORS WILL BE PROVIDE FOR WATER LIFTING.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	ROAD/LANDSCAPE/FACADE AREA - 60 % SOLAR LIGHTING	UNIT SAVED 4.08 KW (49 %)
2	LED LIGHTS - FOR LOBBY, COMMON AREA AND STAIRCASES	UNIT SAVED 19.12 KW (47%)
3	LIFT WITH VFDs	UNIT SAVED 8.4 KW (20%)
4	SOLAR HOT WATER SYSTEM	UNIT SAVED 166.83 KW (15%)
5	WATER LIFTING MOTORS	UNIT SAVED 6.6 KW (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:**	193.75 LAKHS
	O & M cost:	12.6 LAKHS

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	WATER SPRINKLING	DUST SUPPRESSION	80
2	HEALTH SAFETY AND FIRST AID FACILITY	FOR LABOURS AND EMPLOYEES	5
3	SANITARY FACILITY AND WASTE WATER MANAGEMENT	FOR LABOURS AND EMPLOYEES	10
4	ENVIRONMENTAL MONITORING AS PER STIPULATION IN EC AND CONSENT	AIR, GROUND WATER, WASTE WATER, NOISE AND SOIL SOIL	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	RAIN WATER HARWESTING	STORAGE TANK AND RECHARGE PITS WILL BE PROVIDED	20	2.0
2	MUNICIPAL SOLID WASTE MANAGEMENT	ORGANIC WASTE CONVERTER WILL BE PROVIDED	22	2
3	WASTE WATER MANAGEMENT (STP)	SEWAGE TREATMENT PLANT WILL BE PROVIDED FOR WASTE WATER TREATMENT	80	5
4	ENERGY CONSERVATION	SOLAR POWER, CFL, LED LIGHTS ENERGY EFFICIENT MOTORS ETC WILL BE PROVIDE	193.75	12.6
5	LANDSCAPING	200 PLANTS WILL BE PLANTED ON PROJECT SITE	75	15
6	ENVIRONMENTAL MONITORING	WATER , AIR, NOISE AND SOIL MONITORING WILL BE CARRIED OUR REGULAR	NA	2.0

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:	BHANDARA ROAD IS ABUTTING TO PLOT ON THE SOUTH SIDE (30 M WIDE) WHICH IS CONNECTED TO THE NH6.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	11551.80
	Area per car:	25 SQ.MT.
	Area per car:	25 SQ.MT.
	Number of 2-Wheelers as approved by competent authority:	SCOOTERS 1208 NOS. CYCLES 502 NOS.
	Number of 4-Wheelers as approved by competent authority:	289
	Public Transport:	PROJECT COMES UNDER URBAN AREA ALL TRANSPORT FACILITY IS AVAILABLE LIKE BUS, TRAIN, AUTO ETC.
	Width of all Internal roads (m):	7.5 M. AND 6.0 M.

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	CATEGORY B, SCHEDULE 8(a)
	Court cases pending if any	NO
	Other Relevant Informations	THIS IS A CONSTRUCTION PROJECT AND WE WILL MAINTAINED THE ENVIRONMENTAL QUALITY AT THE CONSTRUCTION AND OPERATION STAGE
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-05-2016

Brief information of the project by SEAC

"Construction of 348 Residential Quarters and Administrative Buildings Including all Infrastructural Amenities for Commissioner of Police Nagpur"Proposed Residential Project at Lakadganj Police station Kh. No. 192(Part),193 (part) & 193, city survey No.216, sheet No. 156, MouzaNagpur,Taluka& Dist. Nagpur (MS).(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 19,365.079 Sq. Mtrs, BUA of 42,115.594 Sq. Mtrs. and FSI area of 26,800.628 Sq. Mtrs. PP proposes to construct 6 nos. of residential buildings,1 no. of commercial building having maximum height of 40.45 Mtrs, and a club house.

The case was earlier considered in 48thmeeting of the SEAC - III held from 7th to 10th June, 2016 when the PP remained absent.The case was again considered in 55thmeeting of the SEAC – III held from 4th to 8th October, 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to submit revised rain water harvesting plan with hydrological data report.

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for New Construction project

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	'West Icon' Residential development with convenient shopping project by M/s. VTP Urban Lifespaces LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nilesh Palresha
4.Name of Consultant	Ultra-Tech (Environmental Consultancy and Laboratory)
5.Type of project	Residential development with restaurant and convenient shopping 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	Survey No. 18/6
9.Taluka	Mulshi
10.Village	Thergaon
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 147319.64
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	29,354.38 m2
16.Deductions	3138.54 m2
17.Net Plot area	26215.84 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 58,936.15 m2
	b) Non FSI area (sq. m.): 88,383.48 m2
	c) Total BUA area (sq. m.): 1,47,319.64 m2
19.Total ground coverage (m2)	6,989.89 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	9.58 %
21.Estimated cost of the project	1950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type 1, 1 number	G + 2 Podium + 20	70
2	Type 2, 1 number	G + 2 Podium + 20	70
3	Type 3, 1 number	G + 2 Podium + 20	70
4	Yolo	G + 2 Podium + 13	48.9
5	MHADA	P + 11	34.35
6	Commercial Building	2B + G + Mezzanine + 2P + 7	39.50

23.Number of tenants and shops	Residential: 819 nos. Commercial: 10 Restaurant, Offices: 224 units, 1 Gym, 1 Business center Shops: 10 nos
24.Number of expected residents / users	Residential user: 4,095 nos & Commercial user: 4,816 nos.
25.Tenant density per hectare	300

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 5.06 km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 9.00 m
29.Existing structure (s) if any	Temporary shades
30.Details of the demolition with disposal (If applicable)	Temporary Shades will be demolished and will be used on other sites and sold to recyclers.

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):	492
	Recycled water - Flushing (CMD):	320
	Recycled water - Gardening (CMD):	40
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	812
	Fire fighting - Underground water tank(CMD):	700
	Fire fighting - Overhead water tank(CMD):	175
	Excess treated water	297
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	472
	Recycled water - Flushing (CMD):	320
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	692
	Fire fighting - Underground water tank(CMD):	700
	Fire fighting - Overhead water tank(CMD):	175
	Excess treated water	319

Details of Swimming pool (If any)	NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	492	492	Not applicable	99	99	Not applicable	393	393
Domestic	NA	320	320	NA	0	0	NA	320	320
Gardening	NA	40	40	NA	0	0	NA	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7-15m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Rooftop 6 ,Surface 8
	Size of recharge pits :	Roof top RWH Pit size: variable sizes with maximum 5 X 5 X 5 m & Surface RWH Pit size: 4X2X3 m
	Budgetary allocation (Capital cost) :	15 lakh
	Budgetary allocation (O & M cost) :	1 lakh/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 505 KLD Flushing UG tank Capacity: 335 KLD Fire UG tank Capacity: 700 KLD
35.Storm water drainage	**Natural water drainage pattern:**	West to East
	Quantity of storm water:	657 L/s
	Size of SWD:	750 x 750 mm chamber size
Sewage and Waste water	**Sewage generation in KLD:**	712
	STP technology:	MBBR
	Capacity of STP (CMD):	4 STPs having capacity of 360 m3, 230 m3, 90m3 & 60m3 total =740m3
	Location & area of the STP:	YOLO STP AREA – 62 SQ.M ,EWS 62 SQ.M, COMMERCIAL STP AREA – 100 SQ.M, RESIDENTIAL STP AREA – 179 SQ.M
	Budgetary allocation (Capital cost):	237.89 Lakhs
	Budgetary allocation (O & M cost):	34.7 Lakhs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Waste generation : 25 Kg/Day , Top Soil: 3250 m3
	Disposal of the construction waste debris:	To be used for leveling of plot
Waste generation in the operation Phase:	**Dry waste:**	1719 kg/day
	Wet waste:	1833 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	148 Kg/day
	Others if any:	Not any

Mode of Disposal of waste:	**Dry waste:**	Handed over to SWaCH
	Wet waste:	Treated in OWC
	Hazardous waste:	handed over to authorised vendor as and when required
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure for landscaping
	Others if any:	not any
Area requirement:	**Location(s):**	As shown in Master Layout
	Area for the storage of waste & other material:	44 m2 & 78 m2
	Area for machinery:	66 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	61.75 Lakhs
	O & M cost:	13.93 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	625 kVA	HSD	1	10	0.200	400 C
2	1250 kVA	HSD	1	30	350	450 C
3	1250 kVA	HSD	1	30	350	450 C
4	320 kVA	HSD	1	10	150	400 C
5	320 kVA	HSD	1	10	150	400 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	3470 LITERS total in 5 separate DG sets	3470 LITERS total in 5 separate DG sets

41.Source of Fuel	Authorised dealer
42.Mode of Transportation of fuel to site	By Road

43.Green Belt Development	**Total RG area :**	3140.00 m2
	No of trees to be cut :	Not Any
	Number of trees to be planted :	368
	List of proposed native trees :	Given in the list below
	Timeline for completion of plantation :	Will be completed before 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	Anthocephalus cadamba	Kadamb	32	Native, evergreen, gives shade, flowers, mythological value & wound healing medical use
2	Terminalia catappa	Badam	32	Fruits is edible tasting slightly, Herbal Medicine Use
3	Bauhinia purepurea	Kanchan	32	Native, attracts birds and insects, medicinal value
4	Plumeria alba	Champa	32	Native, evergreen, for beautiful fragrant flowers.
5	Plumeria rubra	Lal chafa	30	Anti-oxidative &proteolytic activities medicine use & fragrant flowers
6	Callistemon viminalis	Weeping bottlebrush	30	Native, for shade, medicinal value, attracts birds & insects
7	Flcus benjamina	Weeping fig	30	Evergreen tree, non flowering, Native, can be pruned and given topiary effect
8	Cassia javanicca	Apple blossom Cassia	30	The fruits (legumes) ripen in the fall.
9	Cordia sebestana	geiger tree	30	an Ornamental plants, flowering plants
10	Putranjiva roxburghii	Putaranjiva	30	evergreen tree, Seed yields fatty oil used for burning, medicinal value
11	Areca catechu	Supari	30	Medicinal value, Ornamental plants
12	Roystonea regia	Royal Plam	30	Medicinal value, Ornamental plants
13	--	Total	368	--
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)	125 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	10288 kW
	During Operation phase (Demand load):	2464 kW
	Transformer:	830 kVA x 15 Nos.
	DG set as Power back-up during operation phase:	320 kVA x 2, 1250 kVA x 2, 625 kVA x 2
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Provision of Solar PV panels for solar water heating
Energy efficient fluorescent tube lights, CFL & LED
Astronomical timer for external lighting
Sensor based lighting for lobby's, reception area
Twin speed flow for basement ventilation

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Provision of Solar PV panels for solar water heating	59%
2	Energy efficient fluorescent tube lights, CFL & LED	30%
3	Astronomical timer for external lighting	20%
4	Sensor based lighting for lobby's, reception area	25%
5	Twin speed flow for basement ventilation	25%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	MBBR technology
OWC	Not applicable	SMART OWC
DG Sets	Not applicable	Stack as per CPCB norms

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	205 Lakhs
	O & M cost:	32.5 lakh/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression ,air and noise monitoring	2.5
2	Water	Tanker water for construction, water monitoring	2.02
3	Land	Site Sanitation	4.6
4	BIOLOGICAL	gardening	13.98

5	Socio-economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, Crèches for children, Personal Protective Equipment	14.69
6	Energy Conservation	CFL lamps for labour hutments	0.16

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	237.89	34.67
2	Water	Rain water harcetsing	15.00	1.0
3	Environmental Monitoring	From MoEF CC approved laboratory	00	8.95
4	Energy	Energy Conservation Measures	376.00	1.88
5	Land	Gardening	25.00	4.5
6	Solid Waste	OWC	61.75	13.93
7	--	Total	715.64	64.93

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two Entry-Exit on 45m Wide Aundh-Ravet Road on East Side and One on 24m Wide DP Road on West side. And 2 Commercial Entry- Exits on 12m Wide Road at SW.
Parking details:	**Number and area of basement:**	2 Basement of Area 2850 m2
	Number and area of podia:	3 Podium and 30,636 m2
	Total Parking area:	43,974.38 m2
	Area per car:	Open: 25 m2, Stilt: 30 m2
	Area per car:	Open: 25 m2, Stilt: 30 m2
	Number of 2-Wheelers as approved by competent authority:	2336
	Number of 4-Wheelers as approved by competent authority:	1043
	Public Transport:	PMPML Bus Stop near the project
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km radius around project
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	Not Any
	Other Relevant Informations	The project was considered in 55th SEAC meeting and compliance were raised.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-09-2016

Brief information of the project by SEAC

Proposed Proect ""Yolo Homes" at S. no. 18/6, Thergaon, Tal.Mulshi, Dist.-Pune, (**Compliance case)**

DECISION OF SEAC

The case was earlier considered in 40th meeting of the SEAC - III held from 12th to 15th January 2016, when PP remained absent. The case was again considered in 46th meeting of the SEAC - III held from 25th to 29th April, 2016.During discussion committee noticed that PP has carried out substantial changes in earlier appraised proposal. The case is deferred till PP gives full information and revise all data including consolidated statement.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Environment Clearance for project by M/s Sukhwani Constructions

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Sukhwani Emerald
2.Type of institution	Private
3.Name of Project Proponent	Mr . Ghanshyam J. Sukhwani
4.Name of Consultant	M/s. Saitech Research & Development Organization
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	NA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	S.No.146/1A,146/1B &146/2 (P),Wakad, Tahsil-Mulshi, Dist. Pune
9.Taluka	Mulshi
10.Village	Wakad
11.Area of the project	Pimpri- Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P/ENV/WAKAD/1/2016
	Approved Built-up Area: 55021.51
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA Applicable
15.Total Plot Area (sq. m.)	22100.00 m2
16.Deductions	3866.63 m2
17.Net Plot area	18233.37 m2
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26268.69 m2 +3626.36 m2 =29895.05 m2
	b) Non FSI area (sq. m.): 27221.57 m2
	c) Total BUA area (sq. m.): 57116.62 m2
19.Total ground coverage (m2)	4355.02 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	(19.70 % of Total Plot Area 22100.00 m2) (23.88 % of Total Plot Area 18233.37m2)
21.Estimated cost of the project	730000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1	P+ UP+15	49.30 m
2	Building A2	P+ UP+15	49.30 m
3	Building B1	P+ 15	46.40 m
4	Building B2	P+ 15	46.40 m
5	Building B3	P+UP+ 11	37.70 m
6	Building M(MHADA)	P+UP+ 12	40.60 m
7	Commercial Building 1	Ground Floor	4.8 m
8	Commercial Building 2	B+P+3	15.8m

23.Number of tenants and shops	Total Tenements – 397 Nos. No. of Shops – 07 Nos. No. of Showrooms – 04Nos.
24.Number of expected residents / users	Residential Users: 1985 Nos. Commercial Users : 1118 Nos. Total Users- 3103 Nos.
25.Tenant density per hectare	179.6

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	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**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	342.29 m3/day
	Recycled water - Flushing (CMD):	117.28 m3/day
	Recycled water - Gardening (CMD):	19.0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	206.01 m3/day
	Fire fighting - Underground water tank(CMD):	400 m3
	Fire fighting - Overhead water tank(CMD):	150 m3
	Excess treated water	154.66 m3/day
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation
	Fresh water (CMD):	323.29 m3/day
	Recycled water - Flushing (CMD):	117.28 m3/day
	Recycled water - Gardening (CMD):	0.0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	206.01 m3/day
	Fire fighting - Underground water tank(CMD):	400 m3 /day
	Fire fighting - Overhead water tank(CMD):	150 m3
	Excess treated water	173.66 m3/day

Details of Swimming pool (If any)	-

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx.70 m to 90 m below the ground level
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	1.5x-1.5x1.5M
	Budgetary allocation (Capital cost) :	Rs. 2.5 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakh /Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 314.00 m3 Flushing UG tank Capacity : 120.00 m3 Fire UG tank Capacity : 400.00 m3 Commercial: Domestic UG tank Capacity : 34.00 m3 Flushing UG tank Capacity : 28.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	1049.56 m3/Year
	Size of SWD:	900 mm
Sewage and Waste water	**Sewage generation in KLD:**	290.94 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 NOS = 130 m3/day & 180 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs.75.9 Lakh
	Budgetary allocation (O & M cost):	Rs. 9.0 Lakh / Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	707.3 kg/day
	Wet waste:	564.7 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	26.22 kg/day (100% Dry)
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized Vender
	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:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	OWC 1= 56m2 & OWC 2= 50m2
	Area for machinery:	20 M2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 27.0 Lakh
	O & M cost:	Rs. 6.14 Lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	180 KVA DG Set	HSD	S-1	6.68 Meter	to be provided	to be provided
2	82.5 KVA DG Set	HSD	S-2	5.82 Meter	to be provided	to be provided
3	40 KVA DG Set	HSD	S-3	5.26 Meter	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD FOR 180 KVA DG Set	NA	39 Liters/Hr. (For 100%)	39 Liters/Hr. (For 100%)
2	HSD FOR 82.5 KVA DG Set	NA	7.2 Liters/Hr. (For 100%)	7.2 Liters/Hr. (For 100%)
3	HSD FOR 40 KVA DG Set	NA	19.7 Liters/Hr. (For 100%)	19.7 Liters/Hr. (For 100%)

41.Source of Fuel	Bharat Petoleum Corporation limited /Hindustan Petroleum
42.Mode of Transportation of fuel to site	by roadway

43.Green Belt Development	**Total RG area :**	2025.93 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	281 Nos
	List of proposed native trees :	-
	Timeline for completion of plantation :	Mid of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops Elengi	Bakul	18	Fragrant flowers or leaves - Attracts Birds/Bees -Evergreen Tree/Creates Shade
2	Cassia Fistula	Bahava	18	Auspicious - Attracts Birds/Bees/Butterflies -Hanging or weeping growth
3	Neolamarckia Cadamba	Kadamb	16	Fragrant flowers or leaves - Attracts Birds/Bees -Quick growing / Creates Shade
4	Azadirachta Indica	Neem	16	-Fragrant flowers or leaves -Plant for Pooja /Evergreen - Quick growing / Creates Shade
5	Azadirachta Indica	Neem	16	-Fragrant flowers or leaves -Plant for Pooja /Evergreen - Quick growing / Creates Shade
6	Lagerstromia Speciosa	Taman	13	Creates Shade - Attracts Birds/Bees/Butterflies -Good for screening
7	Michelia Chamaka	Pivala Chafa	24	- Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies - Evergreen Tree
8	Bauhinia Purpurea	Rakt Kanchan	17	-Fragrant flowers or leaves -Plant for Pooja -Evergreen Tree
9	Saraca Asoca	Sita Ashoka	17	Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies - Deep-Green, Shiny foliage
10	Plumeria Alba	Chafa	10	Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies - Deep-Green, Shiny foliage
11	Millingtonia Hortensis	Buch	25	-Fragrant flowers or leaves -Plant for Pooja -Evergreen Tree
12	Albizia Lebbeck	Shirish	14	Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies - Drought tolerant
13	Pongamia Pinnata	Indian Beech Tree	17	Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies - Drought tolerant
14	Syzygium Cumini	Jamun	20	Fruit plant - Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies
15	Mangifera Indica	Mango	15	Fruit plant - Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies
16	Caryota Urens	Fish Tail Palm	11	Fragrant flowers or leaves - Attracts Birds/Bees/Butterflies - Evergreen Tree
17	Putranjiva Roxburghii	Putranjiva	18	Medicinal Tree -Moderate sized evergreen -Pendant Branches

18	Terminalia Arjuna	Arjun	6	Medicinal Tree -Large sized evergreen -Spreadind crown and drooping branches
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 KVA
	During Operation phase (Connected load):	1352 KW.
	During Operation phase (Demand load):	1201.78 KVA.
	Transformer:	22 KV / 630 KVA – 2 No's & 22 KV / 315 KVA – 1 No
	DG set as Power back-up during operation phase:	22 KV / 630 KVA – 2 No's & 22 KV / 315 KVA – 1 No
	Fuel used:	For 180 KVA DG :- 39 Liters/Hr. (For 100%) b) For 40 KVA D.G. :- 7.2 Liters/Hr. (For 100%) c) For 82.5 KVA D.G. :- 19.7 Liters/Hr. (For 100%)
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Solar Water Heating Systems Will Be Done For Bathrooms.
Solar lights will be provided for common amenities like Street lighting & Garden lighting.
CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
Water Level Controllers with Timers will be used for Water Pu

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.	25266.39 KWH
2	Up Lighter - Light Fitting For Landscape Area.	525.6 KWH
3	Bollard Lighter - Light Fitting For Landscape Area	511 KWH
4	Solar Street Light Fitting - Pole Light On Road Side	2007.5 KWH
5	Street Light on the Bldg.	1752 KWH
6	Energy Saving by Solar Hot Water System	446625 KWH

50.Details of pollution control Systems

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

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 53.30 Lakh
	O & M cost:	Rs. 1.07 Lakh/ year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.0 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (STP1 +STP 2)	Sewage treatement plant	75.9	9.0
2	RWH	Rain Water Harvesting	2.5	0.50
3	MSW (1+2)	Solid waste Management	27.00	6.14
4	Solar Energy System	Solar Energy System	53.30	1.07
5	Landscaping	Landscaping	38.18	8.24
6	Safety Equipment	Safety Equipment	10.0	2.0
7	Post EC Monitoring	Post EC Monitoring	-	2.5
8	Dry Waste Management	Dry Waste Management	-	2.38

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	2310 m2
	Number and area of podia:	-
	Total Parking area:	13758.6 m2
	Area per car:	46.01 m2
	Area per car:	46.01 m2
	Number of 2-Wheelers as approved by competent authority:	1094
	Number of 4-Wheelers as approved by competent authority:	299
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

Proposed Residential & Commercial project "Sukhwani Emerald" on S.No.146/1 & 146/2(P) at Village Wakad, Tehsil Mulashi, District Pune(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 22.100.00 Sq. Mtrs, BUA of 57,116.62 Sq. Mtrs and FSI area of 29,895.05 Sq. Mtrs. PP proposes to construct 5 nos. of residential buildings,1 no. of MHADA building,2 nos. of commercial buildings having maximum height of 46.40 Mtrs. and a club house.

The case was earlier considered in 20thmeeting of the SEAC-III held from 4th to 7th November 2014 when the PP remained absent.The case was again considered in 53rdmeeting of the SEAC-III held from 6th to 9th September,2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to obtain and submit CFO NOC.
3) PP informed that no basement is proposed for residential building.

FINAL RECOMMENDATION

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

SEAC-III, Meeting, Day-2

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Expansion of residential construction project

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Gagan Unnati
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sushil Agarwal
4.Name of Consultant	Not Applicable
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	Environmental Clearance is obtained for existing project vide no. SEAC-2013/CR-199/TC-2 dated on 21 July 2016
8.Location of the project	S.No.56 Hissa No. 8,9 (Part), 10 (Part), Katraj Kondhawa Road , Kondhwa budruk, pune 411048
9.Taluka	Haveli
10.Village	Not Applicable
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Sanction plan obtain for Expansion from PMC
	IOD/IOA/Concession/Plan Approval Number: Sanction plan obtained for total build up area (FSI 22060.23 sq.m + Non FSI 20939.09 sq.m) vide no.CC/2792/16 dated on 6.12.2016
	Approved Built-up Area: 42999.32
13.Note on the initiated work (If applicable)	Total constructed work (FSI + Non FSI) : 36645.86 sq.m as per sanction plan dated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	Existing Plot area - 17000 sq.m , Proposed expansion - 6400 sq.m , Total including expansion - 23400 sq.m
16.Deductions	Existing - 8458.21 sq.m, Proposed - 2865.42 sq.m, Total - 11323.63 sq.m
17.Net Plot area	Existing - 8541.79 sq.m, proposed - 3534.58 sq.m, Total - 12076.37 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing - 17076.84 sq.m , Proposed - 5889.06 sq.m , Total - 22965.90 sq.m
	b) Non FSI area (sq. m.): Presented for previous EC- 21825.81 sq.m , Proposed expansion - 2720.31 sq.m , Total including expansion - 24546.12 sq.m
	c) Total BUA area (sq. m.): Presented for previous EC- 38902.65 sq.m , Proposed expansion - 8609.37 sq.m , Total including expansion - 47512.02 sq.m
19.Total ground coverage (m2)	As per slab area Presented for previous EC- 2628.55 sq.m , Proposed expansion - 1323.16 sq.m , Total including expansion - 3951.71 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	5 of existing - 15.4%, Propose - 20.67 %, Total - 16.88%
21.Estimated cost of the project	800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building Name - A	Existing - 2B+S+17 , Proposed - 3 Floors (2B+S+20) , Total - B1+B2+G+20	Existing - 66.10 m , Proposed 3.7 m , Total - 69.80 m
2	Building Name - B	Existing - 2B+S+17, proposed - 3 Floors (2B+S+20) , Total - B1+B2+G+20	Existing -66.10 m , Proposed 3.7 m- , Total - 69.80 m
3	Building Name - C	Existing - 2B+S+18, proposed - 2 Floors (2B+S+20) , Total - B1+B2+G+20	Existing - 66.10 m , Proposed -3.7 m , Total - 69.80 m
4	D Row Houses	Existing - NA, proposed - G+2, Total - G+2	Existing -NA , Proposed -10.36 m , Total - 10.36 m
5	E (MHADA)	Existing - NA, proposed - P+6, Total - P+6	Existing - NA , Proposed -20.25 m , Total - 20.25 m

6	Commertial	Existing - 1131 sq.m, proposed - 11.40 sq.m, Total - 1142.40 sq.m	Existing - , Proposed -4.2 m , Total - 4.2 m
7	Recreational Hall	Existing - NA, proposed - G+0 (59.87 sq.m), Total - G+0 (59.87 sq.m)	Existing - , Proposed -11.58 m , Total - 11.58 m

23.Number of tenants and shops	Residential - Existing- 163, Proposed - 41 , Total - 204 MHADA - Existing - NA, Proposed -24 , Total - 24 Commercial - Existing 1131 sq.m, Proposed - 11.40 sq.m, Total - 1142.40 sq.m
24.Number of expected residents / users	Residential - Existing- 815, Proposed - 205 , Total - 1020, MHADA - Existing - NA, Proposed -120 ,Total - 120, Commercial - Existing - 377, Proposed -3 , Total - 380
25.Tenant density per hectare	250 tenements/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
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	3 buildings (A,B,C) as per previous EC
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):	114 KLD
	Recycled water - Flushing (CMD):	73 KLD
	Recycled water - Gardening (CMD):	14 KLD
	Swimming pool make up (Cum):	2 KL
	Total Water Requirement (CMD) :	187 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD/Building (A,B,C), For MHADA - 10 KLD
	Excess treated water	89 KLD

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	114 KLD
	Recycled water - Flushing (CMD):	54 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	2 KL
	Total Water Requirement (CMD) :	168 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	20 KLD/Building (A,B,C), For MHADA - 10 KLD
	Excess treated water	157 KLD
Details of Swimming pool (If any)	Dimension of Main Swimming Pool: 12 m X 6 m X 1.2 mArea of Main Swimming pool – 72 sq.mTotal water Requirement in KL: - 85 KLWater requirement for make up in KLD: 2 KLDDetails of Plant & Machinery used for treatment of Swimming pool water: High rate sand filter, multi-port valve, hair & lint strainers, pump, floor drains, vacuum points, & floor inlets.Details of quality to be achieved for swimming pool water and parameters to be monitored: Sr. No. Characteristics Values 1 pH Value 7.2 to 7.5 2 Total alkalinity (as CaCO3), mg/l 50 to 500 mg/l 3 Aluminium (As Al), mg/l 0.1 4 Total residual chlorine, mg/l a) Inlet max 0.5 mg/l b) Outlet min 0.2 mg/l 5 Total dissolved solids, mg/l 1500 mg/l 6 Chlorides (as Cl), mg/l 500 7 Colour, Hazen Units 10 8 Turbidity, NTU 10 9 Coli forms (MPN) <10 per 100 ml	

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	83 KLD	31 KLD	114 KLD	8 KLD	3 KLD	11 KLD	75 KLD	28 KLD	103 KLD
Gardening	10.12 KLD	3.98 KLD	14.10 KLD	not applicable	Not Applicable	Not applicable	Not applicable	Not applicable	Not Applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6.6 m below ground
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	25
	Size of recharge pits :	2 m X 1.2 m X 1m
	Budgetary allocation (Capital cost) :	Rs.10.0 Lakh
	Budgetary allocation (O & M cost) :	Rs.1.0 Lakh/annum
	Details of UGT tanks if any :	Residential: UGT type Presented for previous EC: (April 2016) Proposed Expansion Total including expansion Domestic UG tank Capacity 37 KLD 64 KLD 101KLD(executed) Treated wate Tank Capacity 74 KLD 13 KLD 87KLD(executed) Fire UG tank Capacity 300 KLD -- 300 KLD MHADA: Domestic UG tank Capacity: 16 KLD Fire UG tank Capacity: NA

35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	10,000 KL/yr
	Size of SWD:	300 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	Existing - 119 KLD, Proposed - 40 KLD, Total - 159 KLD
	STP technology:	FAB
	Capacity of STP (CMD):	Existing Capacity - 130 KLD, Proposed - 50 KLD , Total 180 KLD (STP 1 - 160 KLD + STP 2 - 20 KLD)
	Location & area of the STP:	Pl find layout
	Budgetary allocation (Capital cost):	Rs. 40.0 Lakh
	Budgetary allocation (O & M cost):	Rs. 8.0 Lakh/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	waste generation - 1% total raw materials
	Disposal of the construction waste debris:	Excavated earth material will be used for filling material for plinthj area and top soil for landscaping.
Waste generation in the operation Phase:	**Dry waste:**	238 Kg/Day
	Wet waste:	344 KG/day
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	26 Kg/day
	Others if any:	E waste - 1300 Kg /yr.
Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor-Janadhar
	Wet waste:	Through mechanical composter
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	Used as manure after OWC treatment
	Others if any:	• E-waste: Through authorized vendor
Area requirement:	**Location(s):**	pl find layout
	Area for the storage of waste & other material:	56.82 sq.m
	Area for machinery:	13.18 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15.0 Lakh
	O & M cost:	Rs. 6.0 Lakh/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-----	6.0 - 8.5	5.5 -9.0	----
2	BOD	mg/l	200 - 250	<10	not to exeed 10 mg/l
3	COD	mg/l	350 - 400	<60	not to exeed 100 mg/l
4	TSS	mg/l	150 - 200	<10	not tot exeed 50 mg/l
5	total Nitrogen	mg/l	120	< 50	----
6	Nitrate	mg/l	15 -16	<10	-----

7	dissolve PO4	mg/l	13 - 15	< 5	------

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :	1941.79 sq.m
No of trees to be cut :	Not applicable
Number of trees to be planted :	292
List of proposed native trees :	As per Below list
Timeline for completion of plantation :	1 year

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	Ficus retusa	Nanadruk	10	Shady tree,good for roadside plantation.
2	Bauhenia recemosa	Apta	7	Drought resistant, good air purifier and have medicinal properties.
3	Butea monosparma	Palas	25	Good for water logged regions, have medicinal properties and larval host for butterflies.
4	Largerstromia speciosa	Flos reginae	14	Used as a avenue tree and also used in small gardens.
5	Michelia champaca	Son chafa	24	Good for ornamental purpose.
6	Pongamia pinnata	Karaj	9	Oily leaves profuse white flowers. Good for ecological restoration.
7	Anthocephalus kadamba	Kadamb	32	Good for roadside plantation and provide shade.

8	Azadiracta indica	Neem	33	Good for restoration of dryer parts, good for air purifier and have medicinal properties
9	Nyctanthes arboritis	Parijatak	13	Delightfully fragrant tree.
10	Albiziz lebbek	Shirish	22	Good for roadside plantation and provide shade.
11	Cassia fistula	Bahava	13	It is larval host for butterflies.Grows in less soil.
12	Largerstromia speciosa	Flos reginae	13	Used as a avenue tree and also used in small gardens.
13	Erythrina indica	Pangara	16	Quick growing,have orange flowers.
14	Ficus retusa	Nandruk	3	Shady tree,good for roadside plantation.
15	Bauhenia recemosa	apta	8	Drought resistant, good air purifier and have medicinal properties.
16	Butea monosparma	palas	8	Good for water logged regions, have medicinal properties and larval host for butterflies.
17	michelia champaca	Son chafa	17	Good for ornamental purpose.
18	Albizia lebbek	Shirish	15	Good for roadside plantation and provide shade.
19	Cassia fistula	Bahava	2	It is larval host for butterflies.Grows in less soil.
20	Largerstromia speciosa	Flos reginae	2	Used as a avenue tree and also used in small gardens.
21	Erythrica indica	Pangara	2	Quick growing,have orange flowers.
22	michelia champaca	Son chafa	4	Good for ornamental purpose.
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 allicable	not applicable	not applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	-------
	DG set as Power back-up during construction phase	DG set - 62.5 KVA
	During Operation phase (Connected load):	connected load - 2178.92 KW
	During Operation phase (Demand load):	1153.10 KW
	Transformer:	1000 KVA x 1 No. , 315 KVA X 1 No.
	DG set as Power back-up during operation phase:	380 KVA x 1 No. , 45 KVA x 1 No.
	Fuel used:	86 lit./hr.
	Details of high tension line passing through the plot if any:	not applicable

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 w

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Low power high efficiency CFL & T5	: 20 KWH/Day
2	Solar Lights	4 KWH/Day
3	Through Solar Heating	363 KWH/Day

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage generation	sTP	STP
Wet garbage	OWC	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 51.0 Lakh
	O & M cost:	Rs. 3.3 Lakh/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures & barricading	2.0
2	Site Safety	Nets, barricade	3.0
3	Site Sanitation	Public toilets	1.5
4	Disinfection & health check up	for labours	2.0
5	Environmental Monitoring	STP, OWC	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (including external drainage connection)	to treat waste water	40.0	8.0
2	Rain Water Harvesting	to save water	10.0	1.0
3	Solid Waste Management	wet waste convert into manuare & dry waste disposed through vndor	15.0	6.0
4	Swimming Pool	----	25.0	5.0
5	Landscape Development	to maintain greenary on site	16.0	9.0
6	Solar Water heater	to save electrical energy	60.0	1.0
7	Solar PV Lights (street light)	to save electrical energy	51.0	3.3
8	Environmental Monitoring	to maintain environmental provided services	-----	1.6
9	Safety training & awareness	for labour	5.0	---
10	Storm Water networking	to collect rain water	15.0	1.0

11	suplly of water through tankers	in absence of PMC water supply	-----	13.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	35 sq.m for basement , No. of car - 276
	Number and area of podia:	not applicable
	Total Parking area:	15898 sq.m
	Area per car:	cover - 30 sq.m , open - 25 sq.m , Basement - 35 sq.m
	Area per car:	cover - 30 sq.m , open - 25 sq.m , Basement - 35 sq.m
	Number of 2-Wheelers as approved by competent authority:	588
	Number of 4-Wheelers as approved by competent authority:	411
	Public Transport:	not applicable
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-05-2016

Brief information of the project by SEAC

Expansion of Residential and Commercial ConstructionProject “GaganUnnatii” at plot no. 56/8,9Katrajkondhwa Road, Pune.(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 23,400.00 Sq. Mtrs, BUA of 47512.02 Sq. Mtrs and FSI area of 22965.90 Sq. Mtrs. PP proposes to construct 3 nos. of residential buildings,1 no. MHADA building, commercial area of 1142.40 sq.m having maximum height of 69.80 Mtrs, and 4 nos. of row houses.

PP has obtained earlier EC no. SEAC-2013/CR-217/TC-2 dated 3rd September,2014 for total plot area of 17,000.00 Sq. Mtrs, BUA of 15729.42 Sq.Mtrs. and FSI area of 9709.34 Sq. Mtrs. Further PP has obtained amendment earlier vide EC no. SEAC-2013/CR-199/TC-2 for total plot area of 17,000.00 Sq. Mtrs, BUA of 38,902.65 Sq.Mtrs. and FSI area of 17,076.84 Sq. Mtrs. Now PP has applied for expansion in EC.

The case was earlier considered in 48thmeeting of the SEAC - III held from 7th to 10th June, 2016 when the case was deferred.The case was again considered in54th meeting of the SEAC - III held from 19th to 23rd September,2016 when PP remained absent. The case was again considered in55th meeting of the SEAC - III held from 4th to 8th October,2016.

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.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP informed that they have obtain full potential sanction.
2) PP to submit revise electrical calculations by addition of load of STP and OWC
3) PP informed that for building A,B and C plans are already approved. PP also informed that construction and parking layout of building A,B and C is as per earlier EC and plans approved accordingly.

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Environmental clearance for Residential cum commercial construction project

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Sara City
2.Type of institution	Private
3.Name of Project Proponent	Sara Builders & Developers
4.Name of Consultant	Not required
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion, modernization and change in layout
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Previous EC vide number SEAC2010/CR.40/TC.2 dated 13/10/2010
8.Location of the project	Gat no. (Old) 2660, 2659, 2658,2657, 2656, 2655, 2649, 2661, 2677, 2678, 2679, 2680, 2681, 2682, 2718, 2719, 2720, 2688, 2684, 2683, 2675,2715,2687,(new)139,140,141,142,144,145,150,152,153,154,155,156,157,184, 187, 188,189,454,455, 456,458,459,460 Kharabwadi, Chakan, Tal. Khed, Pune
9.Taluka	Khed
10.Village	Kharabwadi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	FSI: 66838.15 Sqm Non FSI: 39727.36 Sqm Total constructed work (FSI+ Non FSI): 106565.51 Sqm BUA approved by earlier EC: 1,24,173 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	1,42,007.06 sqm
16.Deductions	37,113.48 sqm
17.Net Plot area	1,04,893.58 sqm
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing FSI: 66,838.15 sqm; Proposed FSI: 28597.03 sqm
	b) Non FSI area (sq. m.): Existing Non FSI: 39727.36 sqm, Proposed Non FSI: 13,682.83 sqm
	c) Total BUA area (sq. m.): Existing: 106565.51, Proposed: 42279.86, Total: 148845.37 sqm
19.Total ground coverage (m2)	17121.38 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.32 %
21.Estimated cost of the project	2000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A1 : 1 no. (Existing)	P+11	34.8 m
2	Building A2: 1 no. (Existing)	P+11	34.8 m
3	Building B1: 1 no. (Existing)	P+7	22.7 m
4	Building B2: 1 no. (Existing)	P+7	22.7 m
5	Building B3: 1 no. (Existing)	P+7	22.7 m
6	Building B4: 1 no. (Existing)	P+7	22.7 m
7	Building B5: 1 no. (Existing)	P+7	22.7 m
8	Building B6: 1 no. (Existing)	P+7	22.7 m
9	Building B7: 1 no. (Existing)	P+7	22.7 m
10	Building B8: 1 no. (Existing)	P+7	22.7 m
11	Building B9: 1 no. (Existing)	P+8	25.6 m
12	Building B10: 1 no. (Upto 7 floor existing), (8 to 11 floor proposed)	P+11	36 m

13	Building D1: 1 no. (Existing)	P+6	20.15 m
14	Building D5: 1 no. (Existing)	P+6	20.15 m
15	Building D2 & D6: 1 no. (Existing)	P+6	20.15 m
16	Building D3 & D7: 1 no. (Existing)	P+6	20.15 m
17	Building D4 & D8: 1 no. (Existing)	P+6	20.15 m
18	Building D4A & D18 & D19: 1 no. (Existing)	P+6	20.15 m
19	Building D15: 1 no. (Existing)	P+6	20.15 m
20	Building D16: 1 no. (Existing)	P+6	20.15 m
21	Building D17: 1 no. (Existing)	P+6	20.15 m
22	Building D14 & D13 & D10 A: 1 no. (Existing)	Building D14 & D13 : P+6 & Building D 10A: P+4	Building D14 & D13 : 20.15 m; Building D 10A: 14.4 m
23	Building D9 & D11: 1 no. (Existing)	P+6	20.15 m
24	Building D10& D12: 1 no. (Existing)	P+6	20.15 m
25	Convenient shops at A2: 1 no. (Existing)	G+1	7.8 m
26	Convenient shops at B10: 2 no. (Existing)	G+1	7.8 m
27	Convenient shops S5 & S6: 2 no. (Existing)	G+1	7.8 m
28	Clubhouse: 3 no. (Existing)	G+1	NA
29	Building A3: 1 no. (Proposed)	G/P+8	27.3 m
30	Building A4: 1 no. (Proposed)	G/P+8	27.3 m
31	Building A5: 1 no. (Proposed)	P+8	25.8 m
32	Building A6: 1 no. (Proposed)	P+7	22.95 m
33	Building A7: 1 no. (Proposed)	P+7	22.95 m
34	Building A8: 1 no. (Proposed)	P+7	22.95 m
35	Shops at A3 and A4: 24 nos.	G+0	4.5 m

23.Number of tenants and shops	Existing: Residential: 1384; Commercial: 52 Proposed: Residential: 556, Commercial: 24
24.Number of expected residents / users	Existing: Residential: 6920; Commercial: 472 Proposed: Residential: 2780, Commercial: 217
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m and 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	29 no. of residential buildings, services, convenient shops and club house 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**	Kharabwadi Gram panchayat
	Fresh water (CMD):	883 KLD
	Recycled water - Flushing (CMD):	457 KLD
	Recycled water - Gardening (CMD):	88 KLD
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1428 KLD
	Fire fighting - Underground water tank(CMD):	500 KLD
	Fire fighting - Overhead water tank(CMD):	10 KLD for buildings upto 24 m height & 20 KLD for buildings upto 70 m height
	Excess treated water	707 KLD
Wet season:	**Source of water**	Kharabwadi Gram panchayat
	Fresh water (CMD):	883 KLD
	Recycled water - Flushing (CMD):	457 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1340 KLD
	Fire fighting - Underground water tank(CMD):	500 KLD
	Fire fighting - Overhead water tank(CMD):	10 KLD for buildings upto 24 m height & 20 KLD for buildings upto 70 m height
	Excess treated water	795 KLD
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	630	253	883	10	10	20	844	340	1184
Gardening	43	45	88	43	45	88	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	9 m-10 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	30
	Size of recharge pits :	1.3 m diameter x 4 m
	Budgetary allocation (Capital cost) :	Rs 51,00,000/-
	Budgetary allocation (O & M cost) :	Rs 1,53,000/- per annum
	Details of UGT tanks if any :	Domestic UGT: Existing: 844 KLD; Proposed: 340 KLD Drinking UGT: Existing:111 KLD; Proposed:45 KLD Fire UGT: Existing: 500 KLD; Proposed: 500 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	12548.77 cum/day
	Size of SWD:	250 mm to 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	Existing: 892 KLD ; Proposed: 360 KLD
	STP technology:	Existing: Activated sludge process; Proposed: Phytorid
	Capacity of STP (CMD):	2 no. Existing STP capacity: 575 KLD (Actual occupancy is less); Proposed STP capacity: 766 KLD (Extended capacity and proposed)
	Location & area of the STP:	Please refer layout
	Budgetary allocation (Capital cost):	Rs 235,00,000/-
	Budgetary allocation (O & M cost):	Rs 16,50,000/- per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of raw material
	Disposal of the construction waste debris:	For back filling
Waste generation in the operation Phase:	**Dry waste:**	Existing: 1317 kg/day; Proposed: 1008 kg/day; Total: 2325 kg/day
	Wet waste:	Existing: 1926 kg/day; Proposed: 1512 kg/day; Total: 3438 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Existing: 127 kg/day; Proposed: 169 kg/day; total: 296 kg/day
	Others if any:	E-waste: 2380 kg/year
Mode of Disposal of waste:	**Dry waste:**	Authorized vendor
	Wet waste:	Mechanical composter
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not applicable

Area requirement:	**Location(s):**	Please refer layout
	Area for the storage of waste & other material:	100 sqft
	Area for machinery:	1200 sqft
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 1,95,000/-
	O & M cost:	Rs 1,11,000/- per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7.1-7.5	6.5-7.5	Not applicable
2	BOD	mg/l	250-300	<10	not to exceed 10
3	COD	mg/l	300-400	<30	not to exceed 100
4	TSS	mg/l	350-450	<5	not to exceed 50
5	Fecal coliform	MPN/100 ml	10000000-10000000	Nil	Not applicable
6	Total oil and grease	mg/l	10	<5	Not applicable
7	Total nitrogen	mg/l	40-50	<10	Not applicable
8	Phosphates	mg/l	10-50	<5	Not applicable

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	12355.57 sqm
	No of trees to be cut :	0
	Number of trees to be planted :	578
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	1 year

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	Lagerstomia speciosa	Lagerstomia pink	68	Exotic and semi deciduous
2	Bauhinia purpura	Kanchan	100	Native and deciduous
3	Terminalia catappa	Indian Almond tree	32	Native and deciduous
4	Cassia fistula	Golden shower plant	54	Native and deciduous
5	Michelia champaka	Son chafa	22	Evergreen and native
6	Azadirachta indica	Neem	74	Evergreen and native
7	Syzygium cumini	Jamun	3	Evergreen and native and fruit bearing
8	Filinium decipens	Fern tree	8	Evergreen and native
9	Spathodia	Fountain tree	7	Exotic and deciduous
10	Mimusops elengi	Bakul	23	Evergreen and native
11	Anthocephalus cadamba	Kadamba	43	Native and perennial
12	Wodyetia bifucata	Foxtail palm	77	Exotic and evergreen
13	Ficus benjamina	Weeping fig	31	Evergreen and native
14	Royalstonea regia	Royal palm	7	Exotic and evergreen
15	Psidium guavaja	Guava	10	Native and fruit bearing
16	Punica granatum	Pomegranate	1	Evergreen and fruit bearing
17	Ficus religiousa	Peepal	1	Native and deciduous
18	Musa Acuminata	Banana	7	Native, fruit bearing
19	Saraca indica	Ashoka	3	Native and evergreen
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)	50 KW
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	6945 KVA
	During Operation phase (Demand load):	5515 KVA
	Transformer:	630 KVA x 11; 315 KVA x 1
	DG set as Power back-up during operation phase:	50 KVA x 1; 130 KVA x 1, 160 KVA x 1, 180 KVA x 1, 320 KVA x 1
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

-USing T5 and LED light fixures
- Solar street light fixures and common areas of proposed building no. A3 to A8
-Solar water heating

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using T5 and LED fixtures (A3 to A8)	6.3 %
2	Using solar street lighting (A3 to A8)	8.4 %
3	Using solar street lighting (A1 and A2)	18.84 %
4	Solar water hot water system	75%

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 28428000/-
	O & M cost:	Rs 536280/- per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures and barricading	12,00,000/-
2	Site safety	Safety nets, safety equipments, sign boards for workers	Rs 7,00,000/-
3	Site sanitation	Mobile toilets and maintainance	Rs 6,00,000/-
4	Disinfection and health check up	Disinfection of water and surroundings and periodic health check up of workers	Rs 5,00,000/-
5	Environmental monitoring	Air, water, soil, noise monitoring	Rs 2,00,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Installation and operation including external drainage connection	Rs 235,00,000/-	Rs 16,50,000/-
2	Rain water harvesting	Internal pipings	Rs 51,00,000/-	Rs 1,53,000/-
3	Storm water networking	Upto final disposal	Rs 35,50,000/-	Rs 1,20,000/-
4	Solid waste management	OWC-installation and operation	Rs 1,95,000/-	Rs 1,11,000/-
5	Landscape	Planting trees and lawn and its maintenance	Rs 75,00,000/-	Rs 14,00,000/-
6	Solar PV cells	Installation and operation	Rs 62,50,000/-	Rs 85,000/-
7	Solar water heater	Installation and operation	Rs 161,20,000	Rs 1,61,000/-
8	Environmental monitoring	Air, water, soil, noise monitoring	0	Rs 1,60,000/-
9	Safety training and awareness	fire safety awareness and training	Rs 9,00,000/-	0
10	Water supply through tankers	In case of emergency	Rs 5,40,0000/- (for 3 months)	0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	0
	Total Parking area:	30,827.42 sqm
	Area per car:	Open : 29.33 sqm; covered: 33.38 sqm
	Area per car:	Open : 29.33 sqm; covered: 33.38 sqm
	Number of 2-Wheelers as approved by competent authority:	2302
	Number of 4-Wheelers as approved by competent authority:	610
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 m

	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Category 8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-08-2016

Brief information of the project by SEAC

Gat no. (Old)- 2688, 2687, 2686, 2684, 2683,2675, 2715, 2718, 2720, 2660, 2659, 2658, 2657,

2656, 2661, 2677, 2678, 2679, 2680, 2681, 2682, (New)- 454,455,456,458,184,187,188, 189, 139,140, 141, 142, 142, 144, 145, 150, 152, 153, 154,155, 156, 157, Kharabwadi, Chakan, Tal. Khed, Pune **(Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 1,42,007.06 Sq. Mtrs, BUA of 1,48,845.37 Sq. Mtrs and FSI area of 95435.18 Sq. Mtrs. PP proposes to construct 30 nos. of residential buildings, having maximum height of 36.00 Mtrs, 29 Nos.of shops and 3 nos. of club house.

PP has obtained earlier EC no. SEAC-2010/CR-40/TC-2 dated 13th October 2010 for total plot area of 3, 30,018 Sq. Mtrs, BUA of 1, 24,173.00 Sq. Mtrs. Now PP has applied for expansion in EC.

The case was considered in 55thmeeting of the SEAC – III held from 4th to 8th October, 2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (B) B1.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to obtain and submit CFO NOC,
3) PP to submit revised plan for disposal of disposal of excess treated water.
4) PP to submit sustainable water supply source with quantity.
5) PP to submit drainage water connection NOC or the affidavit for the same.

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Expansion of Residential project

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	"Grandeview7
2.Type of institution	Private
3.Name of Project Proponent	M/s Chirag Developers
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Sr. No. 5/6, Near Ashok Leyland Co, Ambegaon (Bk), Pune-411046
9.Taluka	haveli
10.Village	Ambegaon (Bk)
11.Area of the project	Pune Metropolitan Regional Development Authority
12.IOD/IOA/Concession/Plan Approval Number	Applied for proposed expansion NA order NO.PRH/NA/SR/670/2010.Dt-26.11.2010. NA order No.PRH /NA/SR/739/2013. Dt-12.11.2014
	IOD/IOA/Concession/Plan Approval Number: Applied for proposed expansion NA order NO.PRH/NA/SR/670/2010.Dt-26.11.2010. NA order No.PRH /NA/SR/739/2013. Dt-12.11.2014
	Approved Built-up Area: 80770.63
13.Note on the initiated work (If applicable)	We have constructed wing A, B, C, D,E,H& Club House 1. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	42,500
16.Deductions	Deductions :- (R. P. Road Widening) –3,541.34 m2 Gross plot area - 38,958.66 m2 Deductions (Amenity 15%) – 5,843.80 m2
17.Net Plot area	33,114.86
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 43,025.24
	b) Non FSI area (sq. m.): 37745.39
	c) Total BUA area (sq. m.): 80770.63
19.Total ground coverage (m2)	10391.48
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.67
21.Estimated cost of the project	1396000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+7	23.60M
2	B	P+7	23.60M
3	C	P+7	23.60M
4	D	P+7	23.60M
5	E	P+7	23.60M
6	H	P+9	29.50M
7	CLUB HOUSE	Ground floor	5.32M
8	F	P+14	44.50M
9	G	P+14	44.50M
10	I	P+10	33.05M
11	J	P+14	44.50M
12	K	P+14	44.50M
13	Commercial 1	B+G+9	12.70M

14	Commercial 2	G+1	7.85M
15	Commercial 3	B+G+2	12.70M
16	Commercial 4	G+1	7.85M

23.Number of tenants and shops	Existing Tenements 217 Proposed Tenements - 511 No shops -24, Cultural Hall-4, Library-2, Gymnasium-2, Pathology Lab-2, Dispensary-2
24.Number of expected residents / users	Existing: 1085 Proposed: 2555 Total Residential Users = 3640 Total users of Amenity =244 Total Users = 3884
25.Tenant density per hectare	220
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 StationKatraj-& Width of the road from the nearest fire station to the proposed building - 60m wide road of Katraj bypass highway & 24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9M
29.Existing structure (s) if any	We have constructed wing A, B, C, DE, H& Club House 1. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010
30.Details of the demolition with disposal (If applicable)	Not any

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	335
	Recycled water - Flushing (CMD):	185
	Recycled water - Gardening (CMD):	60
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	582
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	600
	Excess treated water	100

Wet season:	**Source of water**	PMC
	Fresh water (CMD):	335
	Recycled water - Flushing (CMD):	185
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	522
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	600
	Excess treated water	160
Details of Swimming pool (If any)	• Dimension of Swimming Pool: 12.50m x6.50m X1.20m• Kids Pool: 3.0 m (Dia) X 0.6m• Total water Requirement in KLD:102• Water requirement for makeup in KLD:2.0	

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	98	237	335	9.8	23.7	33.5	88.2	213.3	301.5
Domestic	49	136	185	0	0	0	49	136	185
Gardening	45	15	60	0	0	0	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	88 to 10M
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	24 Nos.
	Size of recharge pits :	2mt X 2mt. X 2m
	Budgetary allocation (Capital cost) :	26.1Lacs
	Budgetary allocation (O & M cost) :	1.30 Lacs
	Details of UGT tanks if any :	Residential Domestic UG tank Capacity(CMD):495 • Flushing UG tank Capacity(CMD):247 • Fire fighting (CMD):600 Commercial: • Domestic UG tank Capacity(CMD):7.74 • Flushing UG tank Capacity(CMD):15.47 • Fire fighting (CMD): Considered in residential

35.Storm water drainage	**Natural water drainage pattern:**	S to N
	Quantity of storm water:	12.07 m3/Hr
	Size of SWD:	250-900 mm
Sewage and Waste water	**Sewage generation in KLD:**	487
	STP technology:	MBBR
	Capacity of STP (CMD):	177 & 325KL
	Location & area of the STP:	STP-1 : Near C -Wing STP- 2 : Near I -Wing
	Budgetary allocation (Capital cost):	135.48Lacs
	Budgetary allocation (O & M cost):	22.31 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	back filling
Waste generation in the operation Phase:	**Dry waste:**	520 kg/day
	Wet waste:	1212kg/day
	Hazardous waste:	negligible
	Biomedical waste (If applicable):	10kg/day
	STP Sludge (Dry sludge):	100kg/day
	Others if any:	Not any
Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Mechanical composting unit
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	Handed over to authorized recyclers
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Not any
Area requirement:	**Location(s):**	OWC-1 :- Near E -Wing OWC- 2 :- Near J -Wing
	Area for the storage of waste & other material:	20m2
	Area for machinery:	70m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22.95 lacs
	O & M cost:	4.0Lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Ph, B	mg/l	7-9	Not applicable	6-7
2	BOD,	mg/l	80-250		= 10
3	COD	mg/l	400-500		= 30
4	TSS	mg/l	80-100		= 10
5	Fical coliform	Nos/ 100ml	10 rest to 6/100		Nil
6	Total coliform	Nos/ 100ml	10 rest to 7/100		Nil

Amount of effluent generation (CMD):	20KLD
Capacity of the ETP:	2 nos x 10 KLD
Amount of treated effluent recycled :	19
Amount of water send to the CETP:	0
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	AOP Ozone/UV
Disposal of the ETP sludge	used as manure

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	160 KVA	DIESEL	1	3	0.100	522’C
2	100 KVA	DIESEL	1	2	0.100	408’C
3	62.5 KVA	DIESEL	1	2	0.100	408’C
4	50 KVA	DIESEL	1	1.5	0.100	408’C
5	35 KVA	DIESEL	1	1.5	0.100	408’C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	DIESEL	DIESEL	DIESEL	DIESEL
41.Source of Fuel		Authorized dealer		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	3895.86
	No of trees to be cut :	Not any
	Number of trees to be planted :	415
	List of proposed native trees :	415
	Timeline for completion of plantation :	Till the completion of the project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus Excelsa	Maharukh	39	Deciduous tree
2	Azadirachta indica	Neem	34	Deciduous tree
3	Bauhinia racemosa	Apta	34	flower bearing evergreen tree
4	Cassia fistula	Bahava	38	flower bearing Deciduous tree
5	Lagerstromia flos-Regineae	Tamhan	42	flower bearing Deciduous tree
6	Michelia champaca	Son Chafa	35	flower bearing Deciduous tree
7	Magnifera indica	Mango	49	Fruit bearing evergreen tree
8	Acrus sapata	Chickoo	31	Fruit bearing evergreen tree
9	Phyllanthus emblica	Awala	31	flower bearing Deciduous tree
10	Silver oak	Silver oak	8	evergreen palm

11	Samania saman	Rain Tree	8	flower bearing Deciduous tree
12	Khaya	Mohagany	6	flower bearing Deciduous tree
13	Plumeria alba	Chafa	43	flower bearing Deciduous tree
14	Tabebula rosea	Tabebula	6	flower bearing Deciduous tree
15	Delonix regia	Gulmohar	11	flower bearing Deciduous tree
16	Ficus bengalensis	Vad	1	evergreen tree
17	Acaccia catechu	Khair	2	Fruit bearing evergreen tree
18	Coradia sebeshina	Bhokar	1	Fruit bearing evergreen tree
19	Shurb-Fox tail palm	Shurb-Fox tail palm	16	evergreen Palm
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)	33 KW
	DG set as Power back-up during construction phase	KVA
	During Operation phase (Connected load):	2383.67 KW
	During Operation phase (Demand load):	1516.98 KVA
	Transformer:	630 KVA – 2 Nos. , 315 KVA – 1 Nos
	DG set as Power back-up during operation phase:	For Residential – 160 KVA. FOR AMENITY AREA – AMENITY 1= 62.5 KVA, AMENITY 2 =40 KVA AMENITY 3=100 KVA, AMENITY 4 = 50 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Timers and contactors will be used to switch on / off common area & external landscape and facade lighting
Light Emitting Diode (LED) will be used for corridors , Lobbies and common areas.
Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs
All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achie

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timers and contactors will be used to switch on / off common area & external landscape and facade lighting Light Emitting Diode (LED) will be used for corridors , Lobbies and common areas. Energy efficient led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achie	25%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Waste water	STP	STP
Solid waste	OWC	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	87 Lacs
	O & M cost:	7.5

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.92
2	Water Environment	Tanker water for construction Water monitoring	7.8
3	Land Environment	Site Sanitation Maintenance	5.72
4	Biological Environment	Biological Environment Gardening	3.23
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	3.83

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	MoEF approved laboratory	20.06
2	RWH	No. of pits	22.5	1.30
3	STP	Waste water treatment	135.48	22.31
4	Electrical	Energy saving	87.0	7.5
5	Swimming pool	Water quality monitoring	18.0	1.02
6	Solid waste	For solid waste treatment	22.95	4.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	02 nos, 674.04m2
	Number and area of podia:	No of Podia:01 Area of Podia:7703.85
	Total Parking area:	11565.60
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	1281
	Number of 4-Wheelers as approved by competent authority:	375
	Public Transport:	Nearest Bus Stop: Ambegaon
	Width of all Internal roads (m):	6m & 7.50m driveways
	CRZ/ RRZ clearance obtain, if any:	Not any
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

Proposed residential Project at S.No.6/4,6/5,6/6,6/7,6/8,6/12,6/13,6/14 & 6/15, Village Ambegaon (BK), Tehsil Haveli, District Pune.(**Compliance case)**

PP submitted their application for prior Environment Clearance for total plot area of 42500.00 Sq.Mtrs., Total BUA of 80770.63 Sq. Mtrs and FSI area of 43025.24 Sq. Mtrs. PP proposes to construct 11 nos. of residential buildings, having maximum height of 44.50Mtrs, 4 commercial buildings including 24 shops, Four cultural halls, Two libraries, Two pathology laboratories, Two dispensaries and Two gymnasiums.

PP has obtained earlier EC vide letter No. 2009/374/CR – 84 / TC – 1 dated 31.08.2010 for the plot area of 21061.17, BUA of 36783.63 including total 9 buildings out of which five buildings P + 7floors and four buildings P + 9 floors having total 326 tenements. From the drawings submitted by PP it was observed that PP has changed the orientation of building H for which PP has not obtained permission from SEIAA; **SEIAA is requested to look into the same before issuing the Environmental Clearance.**

The case was earlier considered in 19th meeting of SEAC – III held from 28th to 31st October 2014 and 21st meeting of SEAC – III held from 18th to 21st November 2014,when PP remained absent. The case was again considered in the 25th meeting of SEAC – III held from 17th to 20th February 2015 and 33rdmeeting of SEAC – III held from 8th to 11th September, 2015

The committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

As per the letter dated 26 June, 2017 (received by the EnviornmentDept on 27 June, 2017) , the PP has submitted some corrections in the Online Consolidated Statement. These corrections includes IOD/IOA / concession/ Plan Approval No, proposed built up area, total ground coverage, no of buildings and its configurations and total water requirement. Thus, the parameters of the proposal considered by SEAC -3 have been changed considerably. Therefore, SEAC decided that the Corrected Proposal may be considered afresh.

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to submit an indemnity bond indemnifying Environment Department, Government of Maharashtra from any legal consequences arises on account of disputes in respect of ownership of the land.
3) PP to submit NOC from adjoining land owners to lay storm water drains through their land.
4) PP to submit NOC from Public Works Department to lay storm water drains cross the road.
5) PP to relocate trees to be planted near UGT and Compound wall and submit revised RG drawing.

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for project by M/s Army Welfare Housing Organisation

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Army Welfare Housing Organisation
2.Type of institution	Private
3.Name of Project Proponent	Col. R. P. S. Rawat
4.Name of Consultant	M/s Saitech Research & Development Organization
5.Type of project	Township 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
8.Location of the project	Gat No. 1454/1+2&1455
9.Taluka	Haveli
10.Village	Wagholi
11.Area of the project	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 160100.37
13.Note on the initiated work (If applicable)	69214.96m2 -As per old EC dated 23rd December,2013(SEAC-2013/CR-29/TC-3)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	84643.00
16.Deductions	22929.52
17.Net Plot area	61713.48
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 96533.00
	b) Non FSI area (sq. m.): 63567.37
	c) Total BUA area (sq. m.): 160100.37
19.Total ground coverage (m2)	21266.68
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.13 % of Total plot area and 34.46 % of Net Plot Area
21.Estimated cost of the project	3370000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower-A	S+14	44.90
2	Tower-B	S+14	44.90
3	Tower-C	S+14	44.90
4	Tower-D	S+14	44.90
5	Tower-E	S+14	44.90
6	Tower-F	S+14	44.90
7	Tower-G	S+14	44.90
8	Tower-H	S+14	44.90
9	Tower-J	S+14	44.90
10	Tower-K	S+14	44.90
11	Tower-L	S+14	44.9
12	Tower-M	S+14	44.9
13	Tower-N	S+13	41.98
14	Tower-P	S+13	41.98

15	Tower-Q	S+12	38.96
16	Tower-R	S+13	41.98
17	Building T (Commercial)	G+1	8.65

23.Number of tenants and shops	Total Tenements – 932 Nos. Total No of Shops – 10 Nos.
24.Number of expected residents / users	Residential Users: 4660 Nos., Commercial Users: 63 Nos., Total Number of Users : 4723 Nos.
25.Tenant density per hectare	110
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	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**	Wagholi Grampanchayat
	Fresh water (CMD):	837
	Recycled water - Flushing (CMD):	242
	Recycled water - Gardening (CMD):	76
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	518
	Fire fighting - Underground water tank(CMD):	210
	Fire fighting - Overhead water tank(CMD):	320
	Excess treated water	319

Wet season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	761
	Recycled water - Flushing (CMD):	242
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	518
	Fire fighting - Underground water tank(CMD):	210
	Fire fighting - Overhead water tank(CMD):	320
	Excess treated water	395
Details of Swimming pool (If any)	Dimension of Swimming Pool: 25m X 15mTotal water Requirement :375 m3Water requirement in KLD:1 m3/dayDetails 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. 45.00 Lakh O & M Cost : Rs. 15.00 Lakh/Year	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx. 1.5 to 5.0 m below the ground level.
	Size and no of RWH tank(s) and Quantity:	1 no.68.72 X 11.6 meters.
	Location of the RWH tank(s):	1985 KLD
	Quantity of recharge pits:	18 Nos.
	Size of recharge pits :	3M Dia.
	Budgetary allocation (Capital cost) :	42.00 Lakh
	Budgetary allocation (O & M cost) :	5.00 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 270 m3 Flushing UG tank Capacity : 295 m3 Fire UG tank Capacity : 210 m3

35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	1743.12 m3/hr
	Size of SWD:	400 mm dia

Sewage and Waste water	**Sewage generation in KLD:**	655
	STP technology:	MMBR
	Capacity of STP (CMD):	1 no of 656 CMD
	Location & area of the STP:	831.35 m2
	Budgetary allocation (Capital cost):	50.00 Lakh
	Budgetary allocation (O & M cost):	35.00 Lakh/Year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	35 kg/day
	Disposal of the construction waste debris:	Use for Leveling.
Waste generation in the operation Phase:	**Dry waste:**	941.45 kg/day
	Wet waste:	1404.30 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	58.95 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	Storage Area- 38 m2 & Other Area- 44 m2
	Area for machinery:	38 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	26.25 Lakh
	O & M cost:	7.55 Lakh/Year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set-750 KVA	HSD-167 Lit/Hr	S-1	45	To be Provided	To be Provided
2	DG Set-625 KVA	HSD-128 Lit/Hr	S-2	45	To be Provided	To be Provided
3	DG Set-450 KVA	HSD-107 Lit/Hr	S-3	48	To be Provided	To be Provided
4	DG Set-450 KVA	HSD-107 Lit/Hr	S-4	48	To be Provided	To be Provided
5	DG Set-250 KVA	HSD-54 Lit/Hr	S-5	48	To be Provided	To be Provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	563 Lit/Hr	563 Lit/Hr
41.Source of Fuel		Bharat Petroleum Corporation Limited/Hindustan Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	8710.85 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	738 Nos.
	List of proposed native trees :	-
	Timeline for completion of plantation :	After completion of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Siris	15	Evergreen, native non flowering.
2	Anthocephalus cadamda	Kadamb	13	Evergreen, native non flowering
3	Azadirachta indica	Neem	20	Evergreen, native non flowering.
4	Bauhinia variegata	Rakta kanchan	57	Deciduous, native, flowering
5	Plumeria alba	Champa	28	Deciduous, native, flowering
6	Millingtonia hortensis	Buch	19	Deciduous, native, flowering
7	Cassia fistula	Amaltas	50	Deciduous, native, flowering
8	Thevetia peruviana	Thevetia	9	Evergreen, native non flowering.
9	Nyctanthes arbor-tristis	Parijatak	35	Evergreen, native flowering
10	Polyalthia longifolia	False ashok	123	Evergreen, native flowering
11	Michelia champaca	Sonchampa	15	Evergreen, native flowering
12	Murraya paniculata	Kunti	35	Small tree, evergreen, fragrant, white flowering
13	Bambusa ventricosa	Golden Bamboo	50	Evergreen, native flowering.
14	Mangifera indica	Mango	18	Flowering, fruit giving, evergreen.
15	Syzygium cumini	Jamun	15	Flowering, fruit giving, evergreen.
16	Morus nigra	Shahtoot	15	Deciduous

17	Psidium guajava	Amrood	18	Evergreen, fruit giving.
18	Tamarindus indica	Imli	13	Evergreen.
19	Grevilliea robusta	Silver Oak	109	Fast growing evergreen tree
20	Butea frondosa	Palash	48	Medicinal Tree
21	Terminalia arjuna	Arjun	15	Medicinal Tree
22	Musa paradisiaca	Banana	18	Large herb.
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)	90 KVA
	DG set as Power back-up during construction phase	75 KVA x 2 Nos.
	During Operation phase (Connected load):	9729.56 KVA
	During Operation phase (Demand load):	4277.53 KVA
	Transformer:	22KV/1250 KVA -5 Nos.
	DG set as Power back-up during operation phase:	750 KVA x 1 Nos, 625 KVA x 1 Nos, 450 KVA x 2 Nos. & 250 KVA x 1 No.
	Fuel used:	167 Lit/Hr for 750 KVA DG Set, 128 Lit/Hr for 625 KVA DG Set, 214 Lit/Hr for 450 KVA-2 Nos DG set & 54 Lit/Hr for 250 KVA DG Set
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Providing solar lighting.
• Providing CFL lighting in all common areas such as corridor, toilets & ramps etc. Solar water heating.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Providing solar lighting.,• Providing CFL lighting in all common areas such as corridor, toilets & ramps etc	1728794.8 KWH/Annum
2	Solar Water Heating	293401.6 KWH/Annum

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	97.00 Lakh
	O & M cost:	3.40 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	1.00Lakh/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	-	50.00	35.00
2	RWH	-	42.00	5.00
3	MSW	-	26.25	7.55
4	Solar System	-	97.00	3.40
5	Landscaping	-	80.00	10.00
6	Swimming Pool	-	45.00	15.00
7	Safety Equipment	-	10.00	2.00
8	Post EC Monitoring	-	-	2.50
9	Dry Waste Management	-	-	5.59

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	35061 m2
	Area per car:	32.16 m2
	Area per car:	32.16 m2
	Number of 2-Wheelers as approved by competent authority:	968
	Number of 4-Wheelers as approved by competent authority:	1090
	Public Transport:	NA
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-02-2016

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 84,643.00 Sq. Mtrs, BUA of 16,0100.37 Sq. Mtrs and FSI area of 96,533.00 Sq. Mtrs. PP proposes to construct 16 nos. of residential buildings,1 no. of commercial building having maximum height of 44.9 Mtrs, and a club house.

PP has obtained earlier EC no. SEAC-2013/CR-29/TC-3 dated 23rd December 2013 for total plot area of 84643 Sq. Mtrs, BUA of 135408.00 Sq. Mtrs and FSI area of 76178 Sq. Mtrs. Now PP has applied for amendment in EC.

The case was earlier considered in 43rd meeting of the SEAC - III held from 23rd to 27th February 2016 when the TOR was given for preparation of EIA report. Now, PP has submitted the EIA report for appraisal. Thecase was againconsidered in 55thmeeting of the SEAC - III held from 4th to 8th October, 2016

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (B) B1.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) PP to submit affidavit that no occupation will be given till sustainable water supply and drainage connection is obtained to the project site.
3) PP to submit layout of storm water drain up to final disposal point showing invert levels of chambers.
4) PP to submit revised details of design of STP with respect to sewage load 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 section drawing of STP showing dimensions and ground level; PP to mark the area required for STP on master layout with dimensions; PP to ensure STP is open to sky and above ground.
5) PP informed that they have used soak pits with septic tank for labour camp, PP to use only septic tanks for labour camp.

FINAL RECOMMENDATION

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

SEAC-III, Meeting, Day-2

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Application for the Environment Clearance of Proposed Residential and Commercial project "The Broadway" at Wakad, Pune by Lavim Developers Pvt. Limited.

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Proposed Residential and Commercial project "The Broadway" at Wakad, Pune by Lavim Developers Pvt. Limited.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Alok Nayak-DGM - Lavim Developers Pvt. Limited.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd. Plot No. F-7, Road No.21, MIDC Wagle Estate, Near J. B. Sawant Bus Stop, Thane West-400604, Maharashtra
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	Sr. No. 185, Wakad-Dange Chowk Road, Next to
9.Taluka	Pune
10.Village	Wakad
11.Area of the project	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area: 70383.50
13.Note on the initiated work (If applicable)	No work has been initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	In process
15.Total Plot Area (sq. m.)	42,407.10 sq.mt
16.Deductions	11,238.36 sq.mt
17.Net Plot area	31,168.74 sq.mt
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 49,960.37
	b) Non FSI area (sq. m.): 84,692.36
	c) Total BUA area (sq. m.): 1,34,652.73
19.Total ground coverage (m2)	15,769.05
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37%
21.Estimated cost of the project	3721600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	2 Parking + Podium + 20 floors	69.90
2	B	2 Parking + Podium + 20 floors	69.90
3	C	2 Parking + Podium + 20 floors	69.90
4	D	2 Parking + Podium + 20 floors	69.90
5	E	2 Parking + Podium + 20 floors	69.90
6	Commercial - F	Parking + Ground + 7 floors (In amenity Space)	31.30
7	MHADA - G	Ground + 12 floors	37.89
8	Club House	Ground + 1floor	7.65

23.Number of tenants and shops	666 tenements, 24 Shops, 10 offices and 1 club house
24.Number of expected residents / users	Residential - 3330 Commercial - 550

25.Tenant density per hectare	250/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)	24m & 18m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	311
	Recycled water - Flushing (CMD):	163
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	474
	Fire fighting - Underground water tank(CMD):	625
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	197

Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	311
	Recycled water - Flushing (CMD):	163
	Recycled water - Gardening (CMD):	15
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	474
	Fire fighting - Underground water tank(CMD):	625
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	212
Details of Swimming pool (If any)	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:**	25m to 30m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	12
	Size of recharge pits :	1.5m x 1.5m x 3m
	Budgetary allocation (Capital cost) :	Rs.21 Lakh
	Budgetary allocation (O & M cost) :	Rs.1 Lakh/year
	Details of UGT tanks if any :	Domestic Tank Capacity: 466.25 m3 Flushing Tank Capacity : 163,46 m3 Fire Tank Capacity: 625 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	46,095.62 m3/year
	Size of SWD:	Will vary from 200 to 600 mm diameter

Sewage and Waste water	**Sewage generation in KLD:**	427 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	3 Nos. of STP ,1 No. of STP capacity 360 m3/day, 1 No. of STP of capacity 65 m3/day and 1 No. of STP of capacity 25 m3/day. The total capacity of the STP is 450 m3/day
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	Rs.120 Lakh
	Budgetary allocation (O & M cost):	Rs.18 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation quanity is 60,546 m3
	Disposal of the construction waste debris:	Debris generated will be sent to the authorized debris disposal site as per
Waste generation in the operation Phase:	**Dry waste:**	637 kg/day
	Wet waste:	977 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	4 m3/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Dry Quantity : Dry garbage will be segregated & disposed of to recyclers
	Wet waste:	Wet quantity: Wet garbage will be composted and used as organic manure for landscaping.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	STP Sludge (Dry Sludge): Dry Sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	108 sq.mt
	Area for machinery:	28.5 sq.mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.34 Lakh
	O & M cost:	Rs.9 Lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	6,155 sq.mt
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	576
	List of proposed native trees :	576
	Timeline for completion of plantation :	2 to 3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca indica	Sita Ashok	58	Hardy evergreen tree, grows well in warm climate
2	Khaya grandis	Khaya	43	Deciduous tree, Provide shade & graceful appearance
3	Azadirachta indica	Neem	63	Evergreen tree with medicinal property
4	Anthocepallus cadamba	Kadamb	14	Deciduous tree, large foliage & beautiful tree
5	Albizzia lebbek	Shirish	27	Spreading tree, dense foliage, provide shades
6	Nictanthus arbourastrits	Parijat	32	Evergreen flowering tree with good fragrance
7	Lagerstormia reginea	Tamhan	74	Official state tree
8	Bauhinia purpurea	Kanchan	103	Small deciduous tree, good for garden plantation
9	Michelia champaca	Sonchafa	08	Ornamental plant used at very specific locations, hardy plant
10	Erithrina variegata	Pangara	50	Deciduous tree, quick growing tree, & attracts lots of birds during flowering
11	Phyllanthus emlica	Awala	29	Fruit bearing tree attracts birds
12	Terminalia catappa	Badam	75	Fruit bearing tree attracts birds & 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	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	116 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	4,696 kW
	During Operation phase (Demand load):	1878.40 kW
	Transformer:	630 kVA x 6 Nos.
	DG set as Power back-up during operation phase:	1320 kVA (500 kVA- 1 No., 320 kVA X 1 No. and 250 X 2 Nos.)
	Fuel used:	As per Requirement
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

LED/CFL

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED/ CFL	>1%

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.120 Lakh.
	O & M cost:	Rs.3 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	Dust Suppression by water srinkling	pH, Color, odour, turbidity , TDS, BOD, COD, Oil & grease	2.0
2	Site Safety	Safety Net, Noice Barrier	3.0
3	Site Sanitation	Disinfection	1.5
4	Disinfection & health check up	monthly	2.0
5	Environment monitoring	Monthly	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary) + pond	3 No. of STP of total capacity 450 m3/day	120	18.0

2	Landscape development	RG area	44	1.0
3	Solid waste Management	Composting	34	1.0
4	Rain Water Harvesting	Channelizing and maintenance of Rain water Harvesting	21	9.0
5	Swimming Pool	Disinfection and Chlorination	18.0	1.0
6	Storm water networking	Channelizing and maintenance of storm water drainage line	40.0	23.0
7	Solar Water heater	Energy conservation	70.0	1.0
8	Solar PV Cells	Energy conservation	50.0	2.0
9	Environmental Monitoring	Air, Water, Soil and Noise Monitoring	15	2.4
10	Safety training & awareness	Safety Net	5.0	-
11	Supply of water through tankers (in case of emergency)	Disinfection and Chlorination	-	43.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	1 no. Podium area for A, B, C, & D and total area is 11,412.97 sq.mt & 1 no. podium area for E- wing is 2,376.62 sq.mt
	Total Parking area:	30,794 sq.mt.
	Area per car:	30 sq.mt for covered parking and 25 sq.mt for open parking
	Area per car:	30 sq.mt for covered parking and 25 sq.mt for open parking
	Number of 2-Wheelers as approved by competent authority:	1672
	Number of 4-Wheelers as approved by competent authority:	803
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	18 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project was submitted at State level File No. SIA/MH/NCP/16093/2016 dated 10.06.2016. This project was considered in the 50th SEAC-III Meeting , Item no.13. dated 13.07.2016 and 54th SEAC-III Meeting Item no. 8 dated 19.09.2016. The compliance reply of 50th & 54th SEAC-III Meeting was submitted on dated 14.10.2016 to the environment department.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-06-2016

Brief information of the project by SEAC

M/s.Lavim Developers Private Limited

residential construction project Broadway, at Sr. No. 185, Wakad -DangeChowk Road, Next to "Capricio" Building, Wakad, Pune 411 057(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 42,407.10 Sq. Mtrs, BUA of 1,34,652.73Sq. Mtrs and FSI area of 49,960.37 Sq. Mtrs. PP proposes to construct 5 nos. of residential buildings, 1 no. of MHADA building,1 no. of commercial building having maximum height of 69.90 Mtrs.and a club house.

PP has obtained earlier EC vide letter no. SEAC 2211/CR914/TC2 dated14th March 2013 for total plot area of 55800 Sq. Meters, BUA of 109555.58 Sq. Meters and FSI area of 52204.32 Sq. Meters. Now, PP has proposed substantial changes in earlier EC and applied for amendment in earlier EC. During deliberation committee feels that as Project Proponent proposes substantial changes in earlier EC, earlier EC had no relevance and SEIAA may cancel the same. Therefore committee decided to consider the proposal as a fresh proposal.

The case was earlier considered in 50thmeeting of the SEAC - III held from 5th and 12th to 15th July,2016.The case was again considered in 54thmeeting of the SEAC - III held from 19th to 23rd September,2016.

This committee took up the compliance report and other documents submitted by the Project Proponent for examination. 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:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) Committee has noted from form 1 & 1A submitted by PP that many court cases from civil courts to Hon'ble Supreme court are pending regarding sale deed of the project land, but committee has not gone through the merits of the same.

FINAL RECOMMENDATION

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

SEAC-III, Meeting, Day-2

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for New Construction Project

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	â??Proposed Residential projectâ?? by M/s Western City Townships LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nilesh Palresha
4.Name of Consultant	Ultra-Tech (Environment Consultancy & Laboratory)
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. no. 135/5/1, 135/5/2, 135/6, 135/6/1
9.Taluka	Haveli
10.Village	Pashan
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied for IOD
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 29449.93
13.Note on the initiated work (If applicable)	Work not initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied for MHADA Sanction
15.Total Plot Area (sq. m.)	9,800
16.Deductions	1,290.48
17.Net Plot area	8,509.52
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 13,879.96
	b) Non FSI area (sq. m.): 15,566.97
	c) Total BUA area (sq. m.): 29,449.93
19.Total ground coverage (m2)	2,609.92
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	9.58
21.Estimated cost of the project	48

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building â?? A, 1 number	Ground + 3 Parking + 16 floors	49.95
2	Building â?? B, 1 number	Ground + 3 Parking + 16 floors	49.95
3	Building â?? C, 1 number	Ground + 3 Parking + 16 floors	49.95
4	Building â?? D, 1 number	Ground + 3 Parking + 16 floors	49.95
5	MHADA, 1 number	Parking + 6 floors	19.95

23.Number of tenants and shops	286
24.Number of expected residents / users	1430
25.Tenant density per hectare	336.11
26.Height of the building(s)	

27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station Kothrud (5.80m) & Width of the road from the nearest fire station to the proposed building is 18m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement from all around the building is 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**	Pune Municipal Corporation
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	06
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	65
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	130
	Recycled water - Flushing (CMD):	65
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	195
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	73
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	--	130	130	--	20	20	--	110	110
Domestic	--	65	65	--	10	10	--	55	55
Gardening	--	06	06	--	06	06	--	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	05
	Size of recharge pits :	3mx3mx3m (LWB)
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.1 Lakhs/Annum
	Details of UGT tanks if any :	Domestic UG tank Capacity: 116cum/day Flushing UG tank Capacity: 58cum/day Fire fighting: 100cum/day
35.Storm water drainage	**Natural water drainage pattern:**	Sloping from West to East
	Quantity of storm water:	114 cum/day
	Size of SWD:	Ã?150mm having slope 1: 40
Sewage and Waste water	**Sewage generation in KLD:**	165 cum/day
	STP technology:	MBBR
	Capacity of STP (CMD):	One no. & 195 cum/day
	Location & area of the STP:	Upper North West corner of Plot
	Budgetary allocation (Capital cost):	Rs. 69.91 Lakhs
	Budgetary allocation (O & M cost):	Rs. 12.63 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	168m3 to be used on site for filling
	Disposal of the construction waste debris:	This material shall be used for back filling and levelling of plot.
Waste generation in the operation Phase:	**Dry waste:**	288
	Wet waste:	432
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	39
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to SWaCH
	Wet waste:	Smart Organic waste composter
	Hazardous waste:	Handed over to authorised dealer as and when required
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	East of Plot
	Area for the storage of waste & other material:	48.00 sqm
	Area for machinery:	32.00 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 23.25 Lakhs
	O & M cost:	Rs. 5.23 Lakhs/Annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG - 380KVA	Diesel â?? 56.43 Ltr/hr	01	05	0.4	280

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	--	56.43 l/hr	56.43 l/hr

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

43.Green Belt Development	**Total RG area :**	850.95 sqm
	No of trees to be cut :	03
	Number of trees to be planted :	123
	List of proposed native trees :	Given
	Timeline for completion of plantation :	Before project completion

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus Cadamba	Kadamb	10	Native, evergreen, gives shade, flowers, mythological value & wound healing medical use
2	Terminalia Catappa	Badam	10	Fruits is edible tasting slightly, Herbal Medicine Use
3	Bauhinia Purepurea	Kanchan	10	Native, attracts birds and insects, medicinal value
4	Plumeria Alba	Champa	13	Native, evergreen, for beautiful fragrant flowers.
5	Plumeriarubra	Laalchafa	10	Anti-oxidative & photolytic activities medicine use & fragrant flowers
6	Callistemon Viminalis	Weeping Bottlebrush	10	Native, for shade, medicinal value, attracts birds & insects
7	Flcusbenjamina	Weeping Fig	10	Evergreen tree, non-flowering, Native, can be pruned and given topiary effect
8	Cassia Javanicca	Apple Blossom Cassia	10	The fruits (legumes) ripen in the fall.
9	Cordiasebestana	Geiger Tree	10	An Ornamental plants, flowering plants
10	Putranjivaroxburghii	Putra- Jiva	10	Evergreen tree, Seed yields fatty oil used for burning, medicinal value
11	Areca Catechu	Supari	10	Medicinal value, Ornamental plants
12	Roystonea Regia	Royal Plam	10	Medicinal value, Ornamental plants
13	Retained Trees	NA	15	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	1779.22 KW
	During Operation phase (Demand load):	814.69 KVA
	Transformer:	630KVA (2 No)
	DG set as Power back-up during operation phase:	380 KVA (1 No)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	CFL, LED, Solar, Timer, VFD etc.	18%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage Treatment Plant	Not applicable	Capacity â?? 195 cum
Organic Waste Converter	Not applicable	Total Area â?? 80 cum
DG Set	Not applicable	380KVA (1 No)

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	17.00
	O & M cost:	0.25

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression ,air and noise monitoring	2.5
2	Water	Tanker water for construction, water monitoring	2.02
3	Land	Site Sanitation	3.86
4	Biological	Gardening	13.47
5	Socio-Economic	Safety, First Aid, Health Hygiene Facilities, Disinfection at site, Health Check Up, CrÃ¨ches for children, Personal Protective Equipment, CFL lamps for labour hutments	14.96

6	Energy Conservation	CFL lamps for labour hutments	2.52

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	69.91	12.63
2	Solid waste	OWC	23.25	5.23
3	Environmental monitoring	--	--	8.95
4	Land	Gardening	28.04	1.80
5	Energy conservation	Solar water heating	17.00	0.25

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project will confluent on 09m wide road and 02 junctions to main road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	6,142.75 sqm
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	538
	Number of 4-Wheelers as approved by competent authority:	268
	Public Transport:	Nearest bus stop Ambedkar Nagar (2.4km)
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a (B2)

	Court cases pending if any	NA
	Other Relevant Informations	Na
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-09-2016

Brief information of the project by SEAC

Proposed residential project At S. No. 135/5/1, 135/5/2, 135/6, 135/6/1, ATPASHAN,PUNE.(**Compliance case)**

PP submitted their application for prior Environmental clearance for total plot area of 9800.00 Sq. Mtrs, BUA of 29,449.93 Sq. Mtrs and FSI area of 13,879.96 Sq. Mtrs. PP proposes to construct 4 nos. of residential buildings,1 no.of MHADA building having maximum height of 49.95 Mtrs, and a club house.

Thecase was earlier considered in 55thmeeting of the SEAC - III held from 4th to 8th October, 2016.

The committee took up the compliance report and other documents submitted by the Project Proponent for examination. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) CFO NOC,
3) Disposal of non-biodegradable waste.
4) PP to submit Indemnity Bond in original. (deptt documents shows that coloured Xerox of indemnity bond is submitted.)
5) PP to submit undertaking that federation of societies are formed and maintenance of common amenities will be done by federation.
6) PP to submit revised DG Set calculations including STP , OWC and othr pollution control equipments.
7) PP to provide separate energy meters for all pollution control equipment.

FINAL RECOMMENDATION

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

SEAC Meeting number: 57th Meeting **Meeting Date** June 23, 2017

Subject: Environment Clearance for Educational Building Construction project : Dr. D. Y. Patil Technical Campus & Management Institute Building

General Information: Time: 10:00 am onwards Venue: Maharashtra Economic Development Council,Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400020

1.Name of Project	Dr. D. Y. Patil Educational Academy : Technical Campus & Management Institute Building
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bandopant D. Kotkar, Trustee
4.Name of Consultant	Saitech Research and Development Organisation in association with Sneha Hi Tech Products Ltd.
5.Type of project	Educational Building Construction 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. 124 & 126
9.Taluka	Maval
10.Village	Ambi
11.Area of the project	Other area - Town Planning
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: PRA/NA/SR/510/2010 Dated 28.06.2012 Partly completion certificate No. PMF/KV/258/2015 dated 13.03.2015
	Approved Built-up Area: 139882.20
13.Note on the initiated work (If applicable)	Area Constructed : 40695.85 Sq.mtr
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1,60,140 Sq.mtr
16.Deductions	4715.33 Sq.mtr
17.Net Plot area	1,55,424.67 Sq.mtr
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Proposed FSI : 1,01,524.65 Sq.mtr (Permissible FSI : 1,39,882.20 Sq.mtr)
	b) Non FSI area (sq. m.): 9268.50 Sq.mtr
	c) Total BUA area (sq. m.): 1,10,793.15 Sq.mtr
19.Total ground coverage (m2)	17606.71 Sq.mtr
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.58 %
21.Estimated cost of the project	950000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	G+7	30
2	A2	G+3	15.85
3	B	G+8	33.70
4	C	LG+G+6	25.50
5	D	LG+G+6	25.50
6	E	G+2	13.50
7	F	G	4.85
8	G	G	5.85
9	H	G+3	16.00
10	I	G+2	30.60
11	J	G+5	23.40
12	K	G+6	28.60
13	L	G+6	26.80

14	M	G+6	26.80
15	P	G	15.69
16	Q	G	5.40
17	R	G+7	24.75
18	R1	G+7	24.75
19	S	G	16.10

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	12192
25.Tenant density per hectare	Not Applicable
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 mtr
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	Majority of Buildings are partly completed : A1, A2, B, C, D, E, F, G, H, I (Constructed area : 40695.85 Sq. mtr)
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**	Maharashtra Irrigation Department
	Fresh water (CMD):	284.93
	Recycled water - Flushing (CMD):	382.75
	Recycled water - Gardening (CMD):	165.00
	Swimming pool make up (Cum):	0.00
	Total Water Requirement (CMD) :	832.68
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	0.00
	Excess treated water	0.0

Wet season:	**Source of water**	Maharashtra Irrigation Department
	Fresh water (CMD):	284.93
	Recycled water - Flushing (CMD):	382.75
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	0.00
	Total Water Requirement (CMD) :	667.68
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	0.00
	Excess treated water	165.00
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:**	25 to 30 mtr
	Size and no of RWH tank(s) and Quantity:	2 nos.
	Location of the RWH tank(s):	Near Building G
	Quantity of recharge pits:	Nil : Rain water will be stored in existing natural pond
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	6,00,000/-
	Budgetary allocation (O & M cost) :	3,00,000/-
	Details of UGT tanks if any :	Domestic UGT: 268.373 m3 Flushing UGT: 268.373 m3 Fire UGT : 100.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour Map
	Quantity of storm water:	227 m3
	Size of SWD:	200 mm to 900 mm

Sewage and Waste water	**Sewage generation in KLD:**	600.91
	STP technology:	FAB
	Capacity of STP (CMD):	1 no. with 600 CMD Capacity
	Location & area of the STP:	Near Building J (380 Sq. mtr)
	Budgetary allocation (Capital cost):	1,20,00,000/-
	Budgetary allocation (O & M cost):	23,86,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1096.25 Kg/D
	Disposal of the construction waste debris:	Used for leveling and landscaping
Waste generation in the operation Phase:	**Dry waste:**	2133 Kg/D
	Wet waste:	1206 Kg/D
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	42 Kg/D (100% dry)
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Swach (Authorised Vendor)
	Wet waste:	Through proposed Biogas plant
	Hazardous waste:	E- waste will be disposed through authorised vendor
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	30 m3 for storage & 140 m3 for proposed Biogas plant
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	3000000
	O & M cost:	800000

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):	2
Capacity of the ETP:	2
Amount of treated effluent recycled :	2
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	After primary treatment, treated water mixed in STP for further process
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 :**	27500 sq. mtr
	No of trees to be cut :	Nil
	Number of trees to be planted :	2200 nos. already planted
	List of proposed native trees :	NA
	Timeline for completion of 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	NA	NA	NA	NA
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 KW
	DG set as Power back-up during construction phase	1 x 156 KVA
	During Operation phase (Connected load):	3263.61 KW
	During Operation phase (Demand load):	979.08 KW
	Transformer:	1500 KVA X 2 nos.
	DG set as Power back-up during operation phase:	2 x 156 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

All lifts are proposed on V3F drives.
All internal common area will be provided with high energy efficient lamps (T5) and LED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	All lifts are proposed on V3F drives. All internal common area will be provided with high energy efficient lamps (T5) and LED	692883.90 KWH total saving/Y (28.50% saving)

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:**	87000000
	O & M cost:	2500000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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	NA	12000000	2386000
2	RWH	NA	600000	300000
3	MSW	NA	3000000	800000
4	Energy	NA	87000000	2500000
5	Landscape	NA	2550000	500000

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:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	20505.47 m3
	Area per car:	33 m3
	Area per car:	33 m3
	Number of 2-Wheelers as approved by competent authority:	411
	Number of 4-Wheelers as approved by competent authority:	77
	Public Transport:	NA
	Width of all Internal roads (m):	9 Mtr
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

Environment Clearance for Educational Building Construction Project at S.No.124&126,VillageAmbi,TalukaMaval,District Pune.

PP submitted their application for prior Environment Clearance for total plot area of 1,60,140Sq. Mtrs, BUA of 1,10,793.15Sq. Mtrs (**Out of which 40,695.85 Sq.Mtrs.is completed)** and FSI area of 1,01,524.65 Sq. Mtrs. PP proposes to construct 19 nos. of buildings having maximum height of 33.70Mtrs.

The case was earlier considered in 70th meeting of the SEAC held from 24th to 26th April, 2013,when case was referred to Environment department for verification of violation .The case was again considered in 5th meeting of the SEAC - III held from 25th to 28th February,2014 ,9th meeting of the SEAC - III held from 16th to 23rd May,2014 ,during the meeting PP informed that Credible action taken by MPCB, hence PP approached committee for appraisal .The case was again considered in 19th meeting of the SEAC - III held from 28th to 31st October,2014 .

During review of pending cases before SEAC-III committee, letter dated 16/02/2016 was issued to the PP to file compliance before 20/03/2016,elsehis case will be rejected/delisted from the pending list. PP had not filed any replywithin prescribed date, hence the case wasdelisted from the pending list of SEAC-III .

Now, PP has submitted fresh proposal for Environment Clearance for the same project. During the meeting, PP submitted that the proposed activity of construction of Educational Building is exempted by MOEF as per their Notification dated 22.12.2014. PP also informed that as per Notification dated 09.12.2016 of MOEF&CC the construction of educational projects below 1,50,000 Sq.Mtrs. are exempted from obtaining Environmental Clearance.PP also informed that plans were approved in 2012 and partly completion certificate was also obtained in 2015.

During course of discussion, the committee noted that as per Notification dated 14.03.2017 of MOEF&CC "The projects or activities which are in violation as on date of this notification only will be eligible to apply for environmental clearance under this notification and the project proponents can apply for environmental clearance to the Expert Appraisal Committee (EAC) under this notification only within six months from date of this notification and environmental clearance will be granted by the Central level". Though, the earlier proposal was delisted and PP submitted fresh proposal for the same project, the violation case in earlier proposal is still pending against the Project Proponen**t about which MoEF is the competent authority to take the decision as per the new norms.**

DECISION OF SEAC

In veiw of this, after detailed deliberation and considering the above facts of the proposal and provisions of the Notifications of MOEF&CC dated 22.12.2014,09.12.2016 and 14.03.2017, Committee decided to refer the proposal to SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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