

72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

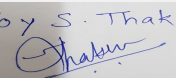
Subject: Environment Clearance for Environmental clearance For Development of Intermodal station

Is a Violation Case: No

1.Name of Project	Development of Intermodal station
2.Type of institution	Government
3.Name of Project Proponent	PIU2, Nagpur, National Highway Authority of India
4.Name of Consultant	Aplinka Solutions & Technologies Pvt. Ltd.
5.Type of project	Township or Others
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At Ajni Railway Station
9.Taluka	Nagpur
10.Village	Ajni
Correspondence Name:	Mr Abhijit P Jichkar
Room Number:	PIU 2, Bunglow No 1
Floor:	NA
Building Name:	Shubhankar Apartment , Plot No 159
Road/Street Name:	Ambazari Hill Top
Locality:	Ram Nagar
City:	Nagpur
11.Area of the project	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: in process
	Approved Built-up Area: 144985
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	222576.75
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 110895
	b) Non FSI area (sq. m.): 34090
	c) Total BUA area (sq. m.): 144985
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 110895
	Approved Non FSI area (sq. m.): 144985
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	43655
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.61
21.Estimated cost of the project	15000000000

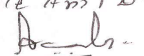
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Station Building	G+2	-
2	Railway Amenities in IMS	G+1	-
3	FOB	G+2	-
4	Platform Covering	-	-
5	Bus amenities in IMS	G+1	-
6	Bus Bays	G+1	-
7	Bus Bays	G+1	-
8	Bus Bays	G+1	-
9	Bus Bays	G+1	-
10	Bus Bays	G+1	-

23.Number of tenants and shops	NA
24.Number of expected residents / users	number of passengers-329350(estimation upto year 2050 @2% growth rate per annum.)
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	right of way 14 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter
29.Existing structure (s) if any	140 number of building are present at site including residences, staff quarter, offices, library, temple, schools which will be demolished and the existing inhabitants will be relocated by Indian Railway.
30.Details of the demolition with disposal (If applicable)	140 existing building will be demolished

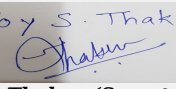
31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

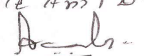
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Dry season:	Source of water	Municipal supply								
	Fresh water (CMD):	1500								
	Recycled water - Flushing (CMD):	1000								
	Recycled water - Gardening (CMD):	150								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	3370 (estimation upto year2050)								
	Fire fighting - Underground water tank(CMD):	30								
	Fire fighting - Overhead water tank(CMD):	-								
	Excess treated water	Zero liquid Discharge								
Wet season:	Source of water	Municipal supply								
	Fresh water (CMD):	1500								
	Recycled water - Flushing (CMD):	1000								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	3220 (estimation upto year2050)								
	Fire fighting - Underground water tank(CMD):	30								
	Fire fighting - Overhead water tank(CMD):	-								
	Excess treated water	150								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	NA	1500	1500	NA	300	300	NA	1200	1200	
Gardening	NA	150	150	NA	150	150	NA	0	0	

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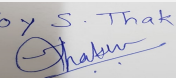
34. Rain Water Harvesting (RWH)	Level of the Ground water table:	3 mbgl
	Size and no of RWH tank(s) and Quantity:	one RWH tank(capacity-620 M3)
	Location of the RWH tank(s):	on surface
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	55 lakh
	Budgetary allocation (O & M cost) :	8 lakh
	Details of UGT tanks if any :	Fire Fighting tank- 30000 liter Raw water tank-400000 liter Domestic water tank-40000 liter Flushing water tank-40000 liter Soft water tank-250000 liter

35. Storm water drainage	Natural water drainage pattern:	as per contour
	Quantity of storm water:	620 m3
	Size of SWD:	-

Sewage and Waste water	Sewage generation in KLD:	2200
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP of 1250 KLD each
	Location & area of the STP:	in Basement
	Budgetary allocation (Capital cost):	250 lakh
	Budgetary allocation (O & M cost):	37.5 lakh

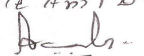
36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	3.94 ton/day C& D waste
	Disposal of the construction waste debris:	Used for back filling and road making and final disposal will be done as per C& D Waste Management Rules 2016
Waste generation in the operation Phase:	Dry waste:	19962.23 kg/day
	Wet waste:	29943.47 Kg/day
	Hazardous waste:	used oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	184.8 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Dry waste shall be disposed by authorized vendors
	Wet waste:	Organic waste Converter
	Hazardous waste:	By authorized vendor with proper agreement under provision of HWM Rule 2016
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be used as manure for maintenance of green belt in operation phase
	Others if any:	NA
Area requirement:	Location(s):	in Basement
	Area for the storage of waste & other material:	700 Sqm
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	29.94 lakh
	O & M cost:	4.49 lakh

37. Effluent Characteristics

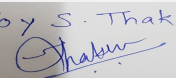
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	7.15-8.2	7.1-7.3	6.5-9.5
2	TSS	mg/l	200-350	<20	20
3	BOD	mg/l	200-250	<10	10
4	COD	mg/l	300-400	<50	50
5	oil and grease	mg/l	10-15	<2	10
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1 as per HWM Rules 2016	-	0	-	-	by authorized Vendors as per HWM Rules 2016

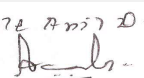
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	8X2000 KVA	High speed diesel 320 liter/hr on 80% load	8	as per CPCB norms	-	-

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	261 MT per month	261 MT per month
41.Source of Fuel		Nearest Petrol Pump		
42.Mode of Transportation of fuel to site		ByTrucks		

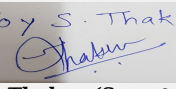
43.Green Belt Development	Total RG area :	66773.025 Sqm
	No of trees to be cut :	1600
	Number of trees to be planted :	in ratio of 1:3 (1600X3=4800) (The compensatory afforestation will be provided in allocated area after prior permission from District Collextrate)
	List of proposed native trees :	All are native species
	Timeline for completion of plantation :	Till the finishing of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia nilotica (Linn) Willd.	Babul	84	Its flowrening season is from August to Janury nad crown shape is spreading. Crown area is 8293.74 sqm and stomatal index is 11.23.
2	Acacia auriculiformis A.cunn	Australian Wattle	84	its crown shape is oblong , flowrening season is 8548.22 sqm and Stomatal index is 10.9
3	Albizia moluccana Mig	Subabul, Vilaitibaral	84	Flowering Season:- July-October , crown shape is oblong
4	Albizia odoratissima benth	Kala Siris	84	Flowering Season:- April-June and crown shape- oblong
5	Alstonia Scholaris(linn.)R. Br.	Chattiyani	84	Flowering Season:- December-March, Crown Shpe- Round, crown surface area:- 241680.50 Sqm , stomatal index:- 15.23
6	Anona swuamosa Linn.	Seetaphal	84	Flowering Season- March-July, Crown shape- Round, Crown surface area:- 2178.21 Sqm, stomatal index-26.19
7	Anona reticulata Linn.	Luvuni,nona	84	Flowering Season-June, Crown Shape- Round, Crown surface area-2017.44 Sqm , stomatal index- 17.24
8	Azadirachta indica A. juss.	Neem	84	Flowering Season-Jan- March, Aug-Sept, Crown Shape- Spreading, Crown Surface Area-300445.30 Sqm , Stomatal Index- 29.2
9	Buchanania lanzan Spreng	Chiranji	84	Flowering season- Jan- March , Cown Shape- Round
10	Barringtonia acutangula(l)Gaertn	Hijal	84	Flowering Season-March-May,Sept- Oct., Crown Shape- Spreading

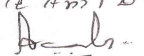
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11	Cassia siamea Lamk	Minjri (Beng.)	84	Flowering season-Aug-May, Crown Shape-oblong, Crown Surface area-3927.36 Sqm, Stomatal index-21.2
12	Casuarina equisetifolia Linn.	Jangli saru	84	Flowering season-Feb. -April, Sept-OCT Crown Shape-Oblong
13	Citrus aurantium Linn	Nimbu	84	Flowering Season-Sept - Nov, Crown shape-Round/Oblong,Crown Surface Area-494.9 Sqm, Stomatal Index-35.81
14	Cordia dichotoma Farst	Cordia dichotoma Farst	84	Flowering season-March-April, Crown shape- Round/Oblong
15	Cassia pumila Lamk	Yellow Cassia	84	Crown shape-Round, Crown Surface Area- 13,273.70 Sqm,Stomatal Index-19.84
16	Derris indica (Lam.)Bennett.	Karanja	84	Flowering Sesaon-April - June, Crown Shape- Round, Crown Surface Area- 6278.1 sqm, Stomatal Index-25.2
17	Duranta repens L	-	84	Flowering season-Throughout the year ,Crown Shape-Spreading Crown Surface Area-60.47 sqm, stomatal Index-21.5
18	Eucalyptus citriodora Hook	Lemon scented gum	84	Flowering season-Feb- April, Oct-Dec Crown shape-Conical , crown surface area-52447.63 sqm, Stomatal index-12
19	Eucalyptus hybrid	Mysore gum	84	Flowering Season-Feb. -April, Oct.-Dec. Crown Shape-Conical , Crown Surface area-50047.33 Sqm,Stomatal Index-12.91
20	Ficus benghalensis Linn	Bargad	85	Flowering Season-April - June, Crown shape- Spreading, Crown Surafce area- 236,493.67 Sqm Stomatal index-21.72
21	Ficus benjamina Linn	Pakur	84	Flowering Season-Sept - Nov, Crown Shape- Spreading, Crown Surface Area- 87326.12 Sqm , Stomatal Index-18.62
22	Ficus elastica Roxb	Indian Rubber Tree	84	Crown Shape-Spreading/ Round, Crown surface area-6028.18 sqm, Stomatal index-19.43
23	Ficus gibbosa Blume	Korotosani(Orisa)	84	Flowering Season-April - May, crown Shape-Spreading, Crown Surface area-223,45.4 sqm, Stomatal Index-19.81
24	Ficus hispida (L) F.	Kanea dumbar	85	Flowering Season-April- July, crown shape- Spreading, crown Surface area-46942.02 Sqm, Stomatal index-17.21
25	Gardenia tasminoides Eills	-	84	Flowering season-April - Aug Extended upto Sept., crown shape- Oblong , Crown surface area-265.87 Sqm, Stomatal index-19.21
26	Grevillea robusta A. Cunn.	Silvery or Silky oak	85	Flowering Season-Feb - April, Crown shape- Oblong

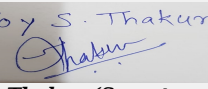
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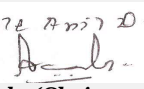
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27	Guazma ulmifolia Lamk	Rudraki	84	Flowering season-Mar - August., Crown shape-Round/ Spreading, crown Surface area-30279.8 Sqm, Stomatal index-13.31
28	Heterophragma roxburghiji DC	-	84	Flowering Season-Feb. - April., Crown Shape- Round/ Oblong, crown Surafce Area-155217.7 Sqm, Stomatal Index-14.2
29	Hibiscus rosa-sinensis Linn	Jasum	84	Flowering Season-Throughout the year, Crown shape-Round / Oblong , Crown Surafce Area- 61.47 Sqm, stomatal index-3.32
30	Ixora arborea Roxb	-	84	Flowering Season-Throughout the year Crown shape-Oblong to spreading, Crown surface Area -57.04 Sqm, Stomatal Index- 17.3
31	Ixora coccinea L	Rangan	84	Flowering Season-Throughout the year, crown Shape- Oblong , Crown surface Area-183.26 sqm, Stomatal Index-23.3
32	Ixora Rosea	-	84	Flowering Season-More or Less throughout the year, Crown shape- Oblong, crown surface area- 296.03 sqm, stomatal index-20.3
33	Kigelia africana Lamk	Sausage tree	84	Flowering season-Mar.- June, Crown shape- Round/Oblong, Crown surafce area- 58432.21 Sqm, Stomatal Index-12.9
34	Lagerstroemia speciosa (Linn)	Jarool	84	Flowering Season-April - June., Crown shape- Oblong, Crown surface area- 72569.31 Sqm, Stomatal Index-13.9
35	Mimusops elengi Linn	Bakul	85	Flowering Season-Jan.- Mar., Crown shape- Oblong / Round, Crown surface area- 13,385.20 Sqm, Stomatal Index-22.31
36	Mimusops hexandra Roxb.	Khirmi	85	Flowering Season-Sept - Nov, Crown shape- Oblong / Round , Crown surface area-4063.1 sqm,Stomatal Index- 20.4
37	Morus alba Linn.	Tut	84	Flowering season-Feb.- June, Crown shape- Oblong, Crown Surface Area- 1047.62 sqm, Stomatal Index-17.4
38	Managifera Indica Linn	Aam	84	Flowering season-South India -Jan -Mar, Crown shape-Round / Oblong, Crown Surface area-69,004.67 Sqm, Stomatal Index-30.77
39	Millingtonia hortensis L.F	Indian cork- tree, Buch	85	Flowering season-Oct.- Dec., Crown Shape- Oblong / Round , Crown Surface area-22439.17 Sqm, Stomatal Index-18.11
40	Peltophorum pterocarpum(DC)Backer	Copper pod tree.	84	Flowering Season-May - Sept., crown Shape- Oblong / Round, crown surafce area- 231045.3 Sqm, Stomatal Index-16.68

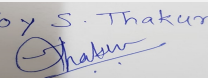
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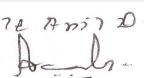
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41	Prosopis cineraria Linn.	Khejri	84	Flowering season, Dec. - April., crown Shape- Spreading, Crown surface area- 13430.6 , stomatal index-18.1
42	Prosopis tamarugo Fiphil.	-	84	Flowering Season-Dec. - April., Crown shape- Spreading
43	Psidium guayava Linn.	Amrud	84	Crown Shape-Oblong, crown surface area- 9,243.10 Sqm, Stomatal index- 28.38
44	Pithecellobium ducle (Roxb.) Benth	Vilayatimili	85	Flowering Season-Jan. - Feb., crown Shape- Oblong, Crown surface Area- 2564.75 Sqm, Stomatal index-11.78
45	Sesbania Grandiflora Pers	Ogosti(Oriya)	85	Flowering season-Sept. - Dec., Crown shape- Oblong, Crown surface area- 4694.87 sqm, stomatal Index- 20.45
46	Sesbania Sesban (Linn)Merrill	Jainti	85	Flowering season-Aug. - Dec., Crown shape- Oblong, crown surface area- 4563.7 sqm, stomatal index-19.2
47	Spathodea campanulata Beauv	Indian Tulip Tree	84	Flowering season-Nov. - Jan., crown shape- Oblong/ Round , crown surface area-73250.17 sqm, Stomatal Index-24.84
48	Spondias pinnata (L.f)	Bemg & Mar- Amra	84	Flowering Season-Feb - April, Crown shape- Round, Crown surface area- 25587.31 Sqm, Stomatal index-22.9
49	Syzygium cumini Linn	Jaman	84	Flowering season-Mar. - May., Crown shape- Oblong/ Spreading, crown surface area-112143.2 Sqm, stomatal Index-20.6
50	Samanea saman Jacq	Rain Tree	84	Flowering season-Mar. - June. , crown shape-Spreading /Round , Crown surface area-99306.2 sqm, Stomatal Index-15.64
51	Saraca asoka Roxb.De Wilde	Ashok	84	Flowering season-Dec. - May, crown shape- Spreading, Crown Surface Area- 2295.2 Sqm, Stomatal index-17.93
52	Thespesia populeneoides(Roxb) Kostel	Paresipal	84	Flowering season-Throughout the year , Crown shape- Round crown surface area-34635.32 sqm, Stomatal index-29.81
53	Thuja occidentalis Linn.	American Arborvitae, White cedar	85	Crown Shape-Conical
54	Terma orientalis Blume	Gio	85	Flowering season-Throughout the year , Crown shape-Round/Oblong, Crown surface area- 425,734.10 Sqm Stomatal index-27.3
55	Tamarindus Indica Linn	Imli	84	Flowering season-April - Oct. Crown Shape-Spreading, Crown Surface area- 276839.5 Sqm, stomatal Index-18.4
56	Zizyphus mauritiana Var. Fruticosa	Ber	84	Flowering season-April -Oct. Crown shape-Round Crown surface area-2638.17 Sqm, Stomatal Index-12.4

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57	Acacia tortilis Hayne	The Umbrella thorn tree	85	
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45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	1500 KVA
	DG set as Power back-up during construction phase	1X500 KVA+1X1000KVA
	During Operation phase (Connected load):	15 MVA
	During Operation phase (Demand load):	15 MVA
	Transformer:	ESS-1(4 no x 2000 KVA each 33Kv ESS-2 (4 nox 2000 KVA each 33 KV)
	DG set as Power back-up during operation phase:	8x 2000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

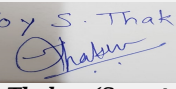
48.Energy saving by non-conventional method:

The building is proposed to be GRIHA 4 Star rated. As per GRIHA requirement 20 % of Lighting and HVAC power requirement is to be met with renewable energy . The requirement of Solar PV Cells works out as 1500 KWp . The Roof over platforms and Bus Bays are proposed to be used for multi purpose i.e provide shade to the platform below, rain water harvesting and installation of Solar panels. The Solar PV Cells will be installed over the roof of platforms and Bus Bays as per architectural drawings. It is expected that Solar PV Cells of 1500 KWp can be installed over the areas available. The IMS consisting of Railway Station and Bus Stand is operational 24 x 7 . The power generated by Solar PV cells is proposed to be used on site in various applications like lighting, ventilation, air-conditioning , lifts and other loads which are available round the clock. The minimum load is expected to be more than the proposed capacity of Solar PV Cells. It is expected that there will be no surplus power generated by Solar PV Cells. Provision of connection of Solar PV Cells has been kept in all the main panels of Transformers. As such solar power can feed the main panels at 8 locations. It is therefore proposed that Solar Panels will be connected with main panles at 8 locations and will feed power to the main panels. The work involves complete design, engineering , supply of all material , installation, testing and commissioning of Solar PV cells of minimum 1500 KWp.

49.Detail calculations & % of saving:

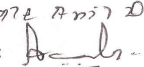
Serial Number	Energy Conservation Measures	Saving %
1	Project has provisison of solar plant	-

50.Details of pollution control Systems

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Source	Existing pollution control system	Proposed to be installed
waste water	NA	STP
Biodegradable waste	NA	OWC
Noise Due to DG sets	NA	DG will be installed within acoustic enclosure and with proper stack height as per CPCB

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30 lakh
	O & M cost:	10 lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

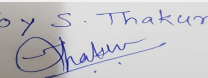
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	water for Dust Supression	particulate matter	2
2	Site sanitation and safety	-	3
3	Environmental Monitoring	Air, Noise , soil, Dg set emission and noise and Water	3
4	Health checkup	All relevant paramters	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage	STP cost	250	37.5
2	Solid waste and OWC	Solid waste Management	29.94	4.49
3	Green area	Green Belt	133	20.03
4	collection of Rain water	Rain water Tank	55	8
5	Energy	Energy efficient equipments	30	10
6	Air, water, noise and soil, STP outlet/inlet	Enviornmental Monitoring	5	2
7	DG sets in acoustic enclosure	Noise pollution Management	600	100

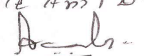
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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
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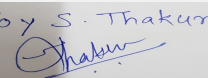
High speed Diesel	Proposed	Near DG Set Room	two tanks of capacity 25.48 MTHSD Storage tank on both side of DG set room	10	261	Nrearest Petrol Pump	truck
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52.Any Other Information

No Information Available

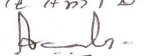
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	one basement- 34090 sqm
	Number and area of podia:	NA
	Total Parking area:	-
	Area per car:	100 sqm of FAR per ECS
	Area per car:	100 sqm of FAR per ECS
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	1150 ECS and 127 Bus at bus station
	Public Transport:	-
	Width of all Internal roads (m):	14 meter
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	seminary Hills RF- 4.2 Km in NW Protected Forest near Banwadi-13.8 km in S
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	no
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes

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	Date of online submission	01-01-1900
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		
<p>Environment Clearance for Environmental clearance For Development of Intermodal station At Ajni Railway Station by PIU2, Nagpur, National Highway Authority of India.</p> <p>PP submitted their application for prior Environmental clearance for total plot area of 222576.75 Sq. Mtrs, BUA of 144985 Sq. Mtrs and FSI area of 110895 Sq. Mtrs. PP proposes to construct a station building, Railway amenity building, Bus amenity building, FOB and 5 bus bays.</p>		
DECISION OF SEAC		
<i>PP remains absent, hence committee decided to defer the proposal.</i>		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.		

SEAC-AGENDA-2000000142

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72 nd Meeting of SEAC-3 (Day-2)

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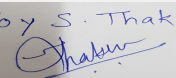
Subject: Environment Clearance for Environmental clearance For Development of Intermodal station

Is a Violation Case: No

1.Name of Project	Development of Intermodal station
2.Type of institution	Government
3.Name of Project Proponent	PIU2, Nagpur, National Highway Authority of India
4.Name of Consultant	Aplinka Solutions & Technologies Pvt. Ltd.
5.Type of project	Township or Others
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	At Ajni Railway Station
9.Taluka	Nagpur
10.Village	Ajni
Correspondence Name:	Mr Abhijit P Jichkar
Room Number:	PIU 2, Bunglow No 1
Floor:	NA
Building Name:	Shubhankar Apartment , Plot No 159
Road/Street Name:	Ambazari Hill Top
Locality:	Ram Nagar
City:	Nagpur
11.Area of the project	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: in process
	Approved Built-up Area: 144985
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	222576.75
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 110895
	b) Non FSI area (sq. m.): 34090
	c) Total BUA area (sq. m.): 144985
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 110895
	Approved Non FSI area (sq. m.): 144985
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	43655
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.61
21.Estimated cost of the project	15000000000

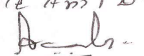
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	Station Building	G+2	-
2	Railway Amenities in IMS	G+1	-
3	FOB	G+2	-
4	Platform Covering	-	-
5	Bus amenities in IMS	G+1	-
6	Bus Bays	G+1	-
7	Bus Bays	G+1	-
8	Bus Bays	G+1	-
9	Bus Bays	G+1	-
10	Bus Bays	G+1	-

23.Number of tenants and shops	NA
24.Number of expected residents / users	number of passengers-329350(estimation upto year 2050 @2% growth rate per annum.)
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	right of way 14 meter
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter
29.Existing structure (s) if any	140 number of building are present at site including residences, staff quarter, offices, library, temple, schools which will be demolished and the existing inhabitants will be relocated by Indian Railway.
30.Details of the demolition with disposal (If applicable)	140 existing building will be demolished

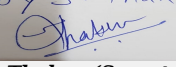
31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

32.Total Water Requirement

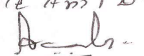
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Dry season:	Source of water	Municipal supply								
	Fresh water (CMD):	1500								
	Recycled water - Flushing (CMD):	1000								
	Recycled water - Gardening (CMD):	150								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	3370 (estimation upto year2050)								
	Fire fighting - Underground water tank(CMD):	30								
	Fire fighting - Overhead water tank(CMD):	-								
	Excess treated water	Zero liquid Discharge								
Wet season:	Source of water	Municipal supply								
	Fresh water (CMD):	1500								
	Recycled water - Flushing (CMD):	1000								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	3220 (estimation upto year2050)								
	Fire fighting - Underground water tank(CMD):	30								
	Fire fighting - Overhead water tank(CMD):	-								
	Excess treated water	150								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	NA	1500	1500	NA	300	300	NA	1200	1200	
Gardening	NA	150	150	NA	150	150	NA	0	0	

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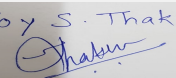
34. Rain Water Harvesting (RWH)	Level of the Ground water table:	3 mbgl
	Size and no of RWH tank(s) and Quantity:	one RWH tank(capacity-620 M3)
	Location of the RWH tank(s):	on surface
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	55 lakh
	Budgetary allocation (O & M cost) :	8 lakh
	Details of UGT tanks if any :	Fire Fighting tank- 30000 liter Raw water tank-400000 liter Domestic water tank-40000 liter Flushing water tank-40000 liter Soft water tank-250000 liter

35. Storm water drainage	Natural water drainage pattern:	as per contour
	Quantity of storm water:	620 m3
	Size of SWD:	-

Sewage and Waste water	Sewage generation in KLD:	2200
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP of 1250 KLD each
	Location & area of the STP:	in Basement
	Budgetary allocation (Capital cost):	250 lakh
	Budgetary allocation (O & M cost):	37.5 lakh

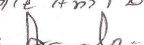
36. Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	3.94 ton/day C& D waste
	Disposal of the construction waste debris:	Used for back filling and road making and final disposal will be done as per C& D Waste Management Rules 2016
Waste generation in the operation Phase:	Dry waste:	19962.23 kg/day
	Wet waste:	29943.47 Kg/day
	Hazardous waste:	used oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	184.8 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Dry waste shall be disposed by authorized vendors
	Wet waste:	Organic waste Converter
	Hazardous waste:	By authorized vendor with proper agreement under provision of HWM Rule 2016
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	will be used as manure for maintenance of green belt in operation phase
	Others if any:	NA
Area requirement:	Location(s):	in Basement
	Area for the storage of waste & other material:	700 Sqm
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	29.94 lakh
	O & M cost:	4.49 lakh

37. Effluent Characteristics

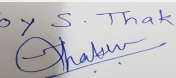
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	7.15-8.2	7.1-7.3	6.5-9.5
2	TSS	mg/l	200-350	<20	20
3	BOD	mg/l	200-250	<10	10
4	COD	mg/l	300-400	<50	50
5	oil and grease	mg/l	10-15	<2	10
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1 as per HWM Rules 2016	-	0	-	-	by authorized Vendors as per HWM Rules 2016

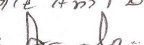
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	8X2000 KVA	High speed diesel 320 liter/hr on 80% load	8	as per CPCB norms	-	-

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	261 MT per month	261 MT per month
41.Source of Fuel		Nearest Petrol Pump		
42.Mode of Transportation of fuel to site		ByTrucks		

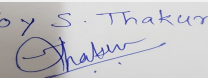
43.Green Belt Development	Total RG area :	66773.025 Sqm
	No of trees to be cut :	1600
	Number of trees to be planted :	in ratio of 1:3 (1600X3=4800) (The compensatory afforestation will be provided in allocated area after prior permission from District Collextrate)
	List of proposed native trees :	All are native species
	Timeline for completion of plantation :	Till the finishing of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Acacia nilotica (Linn) Willd.	Babul	84	Its flowrening season is from August to Janury nad crown shape is spreading. Crown area is 8293.74 sqm and stomatal index is 11.23.
2	Acacia auriculiformis A.cunn	Australian Wattle	84	its crown shape is oblong , flowrening season is 8548.22 sqm and Stomatal index is 10.9
3	Albizia moluccana Mig	Subabul, Vilaitibaral	84	Flowering Season:- July-October , crown shape is oblong
4	Albizia odoratissima benth	Kala Siris	84	Flowering Season:- April-June and crown shape- oblong
5	Alstonia Scholaris(linn.)R. Br.	Chattiyani	84	Flowering Season:- December-March, Crown Shpe- Round, crown surface area:- 241680.50 Sqm , stomatal index:- 15.23
6	Anona swuamosa Linn.	Seetaphal	84	Flowering Season- March-July, Crown shape- Round, Crown surface area:- 2178.21 Sqm, stomatal index-26.19
7	Anona reticulata Linn.	Luvuni,nona	84	Flowering Season-June, Crown Shape- Round, Crown surface area-2017.44 Sqm , stomatal index- 17.24
8	Azadirachta indica A. juss.	Neem	84	Flowering Season-Jan- March, Aug-Sept, Crown Shape- Spreading, Crown Surface Area-300445.30 Sqm , Stomatal Index- 29.2
9	Buchanania lanzan Spreng	Chiranji	84	Flowering season- Jan- March , Cown Shape- Round
10	Barringtonia acutangula(l)Gaertn	Hijal	84	Flowering Season-March-May,Sept- Oct., Crown Shape- Spreading

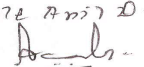
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11	Cassia siamea Lamk	Minjri (Beng.)	84	Flowering season-Aug-May, Crown Shape-oblong, Crown Surface area-3927.36 Sqm, Stomatal index-21.2
12	Casuarina equisetifolia Linn.	Jangli saru	84	Flowering season-Feb. -April, Sept-OCT Crown Shape-Oblong
13	Citrus aurantium Linn	Nimbu	84	Flowering Season-Sept - Nov, Crown shape-Round/Oblong,Crown Surface Area-494.9 Sqm, Stomatal Index-35.81
14	Cordia dichotoma Farst	Cordia dichotoma Farst	84	Flowering season-March-April, Crown shape- Round/Oblong
15	Cassia pumila Lamk	Yellow Cassia	84	Crown shape-Round, Crown Surface Area- 13,273.70 Sqm,Stomatal Index-19.84
16	Derris indica (Lam.)Bennett.	Karanja	84	Flowering Sesaon-April - June, Crown Shape- Round, Crown Surface Area- 6278.1 sqm, Stomatal Index-25.2
17	Duranta repens L	-	84	Flowering season-Throughout the year ,Crown Shape-Spreading Crown Surface Area-60.47 sqm, stomatal Index-21.5
18	Eucalyptus citriodora Hook	Lemon scented gum	84	Flowering season-Feb- April, Oct-Dec Crown shape-Conical , crown surface area-52447.63 sqm, Stomatal index-12
19	Eucalyptus hybrid	Mysore gum	84	Flowering Season-Feb. -April, Oct.-Dec. Crown Shape-Conical , Crown Surface area-50047.33 Sqm,Stomatal Index-12.91
20	Ficus benghalensis Linn	Bargad	85	Flowering Season-April - June, Crown shape- Spreading, Crown Surafce area- 236,493.67 Sqm Stomatal index-21.72
21	Ficus benjamina Linn	Pakur	84	Flowering Season-Sept - Nov, Crown Shape- Spreading, Crown Surface Area- 87326.12 Sqm , Stomatal Index-18.62
22	Ficus elastica Roxb	Indian Rubber Tree	84	Crown Shape-Spreading/ Round, Crown surface area-6028.18 sqm, Stomatal index-19.43
23	Ficus gibbosa Blume	Korotosani(Orisa)	84	Flowering Season-April - May, crown Shape-Spreading, Crown Surface area-223,45.4 sqm, Stomatal Index-19.81
24	Ficus hispida (L) F.	Kanea dumbar	85	Flowering Season-April- July, crown shape- Spreading, crown Surface area-46942.02 Sqm, Stomatal index-17.21
25	Gardenia tasminoides Eills	-	84	Flowering season-April - Aug Extended upto Sept., crown shape- Oblong , Crown surface area-265.87 Sqm, Stomatal index-19.21
26	Grevillea robusta A. Cunn.	Silvery or Silky oak	85	Flowering Season-Feb - April, Crown shape- Oblong

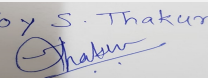
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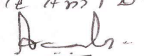
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27	Guazma ulmifolia Lamk	Rudraki	84	Flowering season-Mar - August., Crown shape-Round/ Spreading, crown Surface area-30279.8 Sqm, Stomatal index-13.31
28	Heterophragma roxburghiji DC	-	84	Flowering Season-Feb. - April., Crown Shape- Round/ Oblong, crown Surafce Area-155217.7 Sqm, Stomatal Index-14.2
29	Hibiscus rosa-sinensis Linn	Jasum	84	Flowering Season-Throughout the year, Crown shape-Round / Oblong , Crown Surafce Area- 61.47 Sqm, stomatal index-3.32
30	Ixora arborea Roxb	-	84	Flowering Season-Throughout the year Crown shape-Oblong to spreading, Crown surface Area -57.04 Sqm, Stomatal Index- 17.3
31	Ixora coccinea L	Rangan	84	Flowering Season-Throughout the year, crown Shape- Oblong , Crown surface Area-183.26 sqm, Stomatal Index-23.3
32	Ixora Rosea	-	84	Flowering Season-More or Less throughout the year, Crown shape- Oblong, crown surface area- 296.03 sqm, stomatal index-20.3
33	Kigelia africana Lamk	Sausage tree	84	Flowering season-Mar.- June, Crown shape- Round/Oblong, Crown surafce area- 58432.21 Sqm, Stomatal Index-12.9
34	Lagerstroemia speciosa (Linn)	Jarool	84	Flowering Season-April - June., Crown shape- Oblong, Crown surface area- 72569.31 Sqm, Stomatal Index-13.9
35	Mimusops elengi Linn	Bakul	85	Flowering Season-Jan.- Mar., Crown shape- Oblong / Round, Crown surface area- 13,385.20 Sqm, Stomatal Index-22.31
36	Mimusops hexandra Roxb.	Khirmi	85	Flowering Season-Sept - Nov, Crown shape- Oblong / Round , Crown surface area-4063.1 sqm,Stomatal Index- 20.4
37	Morus alba Linn.	Tut	84	Flowering season-Feb.- June, Crown shape- Oblong, Crown Surface Area- 1047.62 sqm, Stomatal Index-17.4
38	Managifera Indica Linn	Aam	84	Flowering season-South India -Jan -Mar, Crown shape-Round / Oblong, Crown Surface area-69,004.67 Sqm, Stomatal Index-30.77
39	Millingtonia hortensis L.F	Indian cork- tree, Buch	85	Flowering season-Oct.- Dec., Crown Shape- Oblong / Round , Crown Surface area-22439.17 Sqm, Stomatal Index-18.11
40	Peltophorum pterocarpum(DC)Backer	Copper pod tree.	84	Flowering Season-May - Sept., crown Shape- Oblong / Round, crown surafce area- 231045.3 Sqm, Stomatal Index-16.68

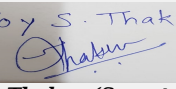
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41	Prosopis cineraria Linn.	Khejri	84	Flowering season, Dec. - April., crown Shape- Spreading, Crown surface area- 13430.6 , stomatal index-18.1
42	Prosopis tamarugo Fiphil.	-	84	Flowering Season-Dec. - April., Crown shape- Spreading
43	Psidium guayava Linn.	Amrud	84	Crown Shape-Oblong, crown surface area- 9,243.10 Sqm, Stomatal index- 28.38
44	Pithecellobium ducle (Roxb.) Benth	Vilayatimili	85	Flowering Season-Jan. - Feb., crown Shape- Oblong, Crown surface Area- 2564.75 Sqm, Stomatal index-11.78
45	Sesbania Grandiflora Pers	Ogosti(Oriya)	85	Flowering season-Sept. - Dec., Crown shape- Oblong, Crown surface area- 4694.87 sqm, stomatal Index- 20.45
46	Sesbania Sesban (Linn)Merrill	Jainti	85	Flowering season-Aug. - Dec., Crown shape- Oblong, crown surface area- 4563.7 sqm, stomatal index-19.2
47	Spathodea campanulata Beauv	Indian Tulip Tree	84	Flowering season-Nov. - Jan., crown shape- Oblong/ Round , crown surface area-73250.17 sqm, Stomatal Index-24.84
48	Spondias pinnata (L.f)	Bemg & Mar- Amra	84	Flowering Season-Feb - April, Crown shape- Round, Crown surface area- 25587.31 Sqm, Stomatal index-22.9
49	Syzygium cumini Linn	Jaman	84	Flowering season-Mar. - May., Crown shape- Oblong/ Spreading, crown surface area-112143.2 Sqm, stomatal Index-20.6
50	Samanea saman Jacq	Rain Tree	84	Flowering season-Mar. - June. , crown shape-Spreading /Round , Crown surface area-99306.2 sqm, Stomatal Index-15.64
51	Saraca asoka Roxb.De Wilde	Ashok	84	Flowering season-Dec. - May, crown shape- Spreading, Crown Surface Area- 2295.2 Sqm, Stomatal index-17.93
52	Thespesia populeneoides(Roxb) Kostel	Paresipal	84	Flowering season-Throughout the year , Crown shape- Round crown surface area-34635.32 sqm, Stomatal index-29.81
53	Thuja occidentalis Linn.	American Arborvitae, White cedar	85	Crown Shape-Conical
54	Terma orientalis Blume	Gio	85	Flowering season-Throughout the year , Crown shape-Round/Oblong, Crown surface area- 425,734.10 Sqm Stomatal index-27.3
55	Tamarindus Indica Linn	Imli	84	Flowering season-April - Oct. Crown Shape-Spreading, Crown Surface area- 276839.5 Sqm, stomatal Index-18.4
56	Zizyphus mauritiana Var. Fruticosa	Ber	84	Flowering season-April -Oct. Crown shape-Round Crown surface area-2638.17 Sqm, Stomatal Index-12.4

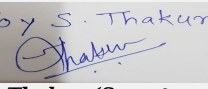
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57	Acacia tortilis Hayne	The Umbrella thorn tree	85	-
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
47.Energy				
Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)		
	During Construction Phase: (Demand Load)	1500 KVA		
	DG set as Power back-up during construction phase	1X500 KVA+1X1000KVA		
	During Operation phase (Connected load):	15 MVA		
	During Operation phase (Demand load):	15 MVA		
	Transformer:	ESS-1(4 no x 2000 KVA each 33Kv ESS-2 (4 nox 2000 KVA each 33 KV)		
	DG set as Power back-up during operation phase:	8x 2000 KVA		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	NA		
48.Energy saving by non-conventional method:				
<p>The building is proposed to be GRIHA 4 Star rated. As per GRIHA requirement 20 % of Lighting and HVAC power requirement is to be met with renewable energy . The requirement of Solar PV Cells works out as 1500 KWp . The Roof over platforms and Bus Bays are proposed to be used for multi purpose i.e provide shade to the platform below, rain water harvesting and installation of Solar panels.</p> <p>The Solar PV Cells will be installed over the roof of platforms and Bus Bays as per architectural drawings. It is expected that Solar PV Cells of 1500 KWp can be installed over the areas available.</p> <p>The IMS consisting of Railway Station and Bus Stand is operational 24 x 7 . The power generated by Solar PV cells is proposed to be used on site in various applications like lighting, ventilation, air-conditioning , lifts and other loads which are available round the clock. The minimum load is expected to be more than the proposed capacity of Solar PV Cells. It is expected that there will be no surplus power generated by Solar PV Cells.</p> <p>Provision of connection of Solar PV Cells has been kept in all the main panels of Transformers. As such solar power can feed the main panels at 8 locations.</p> <p>It is therefore proposed that Solar Panels will be connected with main panles at 8 locations and will feed power to the main panels.</p> <p>The work involves complete design, engineering , supply of all material , installation, testing and commissioning of Solar PV cells of minimum 1500 KWp.</p>				
49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures	Saving %		
1	Project has provisison of solar plant	-		
50.Details of pollution control Systems				

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Source	Existing pollution control system	Proposed to be installed
waste water	NA	STP
Biodegradable waste	NA	OWC
Noise Due to DG sets	NA	DG will be installed within acoustic enclosure and with proper stack height as per CPCB

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30 lakh
	O & M cost:	10 lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

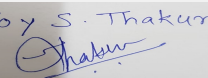
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	water for Dust Supression	particulate matter	2
2	Site sanitation and safety	-	3
3	Environmental Monitoring	Air, Noise , soil, Dg set emission and noise and Water	3
4	Health checkup	All relevant paramters	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage	STP cost	250	37.5
2	Solid waste and OWC	Solid waste Management	29.94	4.49
3	Green area	Green Belt	133	20.03
4	collection of Rain water	Rain water Tank	55	8
5	Energy	Energy efficient equipments	30	10
6	Air, water, noise and soil, STP outlet/inlet	Enviornmental Monitoring	5	2
7	DG sets in acoustic enclosure	Noise pollution Management	600	100

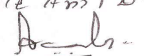
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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
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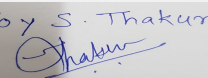
High speed Diesel	Proposed	Near DG Set Room	two tanks of capacity 25.48 MTHSD Storage tank on both side of DG set room	10	261	Nrearest Petrol Pump	truck
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52.Any Other Information

No Information Available

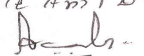
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	one basement- 34090 sqm
	Number and area of podia:	NA
	Total Parking area:	-
	Area per car:	100 sqm of FAR per ECS
	Area per car:	100 sqm of FAR per ECS
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	1150 ECS and 127 Bus at bus station
	Public Transport:	-
	Width of all Internal roads (m):	14 meter
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	seminary Hills RF- 4.2 Km in NW Protected Forest near Banwadi-13.8 km in S
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	no
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes

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	Date of online submission	02-04-2018
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
<p>Environment Clearance for Environmental clearance For Development of Intermodal station At Ajni Railway Station by PIU2, Nagpur, National Highway Authority of India.</p> <p>PP submitted their application for prior Environmental clearance for total plot area of 222576.75 Sq. Mtrs, BUA of 144985 Sq. Mtrs and FSI area of 110895 Sq. Mtrs. PP proposes to construct a station building, Railway amenity building, Bus amenity building, FOB and 5 bus bays.</p>		
DECISION OF SEAC		
<i>PP remains absent, hence committee decided to defer the proposal.</i>		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.		

SEAC-AGENDA-00000142

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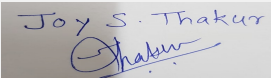
72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Proposed construction of 1288 EWS housing, club house and 11 shops on Old G. No. 1285(P), 1287(P), 1290(P), New G. No. 165(P), 167(P), 168(P), 171(P), Reservation no. 1/162 at Borhadewadi village, Moshi, District-Pune in PCMC area under Pradhan Mantri Awas Yojana.

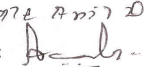
Is a Violation Case: No

1.Name of Project	Proposed construction of 1288 EWS housing, club house and 11 shops on Old G. No. 1285(P), 1287(P), 1290(P), New G. No. 165(P), 167(P), 168(P), 171(P), Reservation no. 1/162, at Borhadewadi village, Moshi, District-Pune in PCMC area under Pradhan Mantri Awas Yojana.
2.Type of institution	Semi Government
3.Name of Project Proponent	Pimpri-Chinchwad Municipal Corporation
4.Name of Consultant	Green Circle Inc.
5.Type of project	Affordable Housing project under Pradhan Mantri Awas Yojana for Economical Weaker Section.
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	Old G. No. 1285(P), 1287(P), 1290(P), New G. No. 165(P), 167(P), 168(P), 171(P), Reservation no. 1/162, at Borhadewadi village, Moshi, District-Pune.
9.Taluka	Haveli
10.Village	Borhadewadi
Correspondence Name:	Mr. Pradeep Ramchandra Pujari : Executive engineering, BSUP Department
Room Number:	Engineering Department
Floor:	1st Floor
Building Name:	Pimpri Chinchwad Municipal Corporation, Pimpri, Pune -411018
Road/Street Name:	Pimpri, pune -411018
Locality:	Pimpri Chinchwad Municipal Corporation, Pimpri, pune -411018
City:	Pune
11.Area of the project	Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	BP/Borhadewadi/14/2018 dated 18.04.2018 IOD/IOA/Concession/Plan Approval Number: BP/Borhadewadi/14/2018 dated 18.04.2018. As per 28 meeting of the central Sanctioning and monitoring committee (CSMC) for Pradhan MantriAwasYojana (Urban) Housing for all dated 26 Dec 2017 vide File No. N-11011/13 /2017-HFA-III-UD (E.File 9031679) Approved Built-up Area: 66490.34
13.Note on the initiated work (If applicable)	No Construction work has been started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	The scheme is approved under Pradhan Mantri Awas yojna as per 28 meeting of the central Sanctioning and monitoring committee (CSMC).
15.Total Plot Area (sq. m.)	20000 Sq. m
16.Deductions	2000 Sq. m
17.Net Plot area	18000 Sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 44893.76 Sq. m b) Non FSI area (sq. m.): 21596.58 Sq. m c) Total BUA area (sq. m.): 66490.34
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 44893.76 Sq. m Approved Non FSI area (sq. m.): 21596.58 Sq. m Date of Approval: 18-04-2018
19.Total ground coverage (m2)	4345.03 Sq. m


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20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.72 %
21. Estimated cost of the project	1101370762

22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower- A	P + 14	42 m
2	Tower- B	P + 14	42 m
3	Tower- C	P + 14	42 m
4	Tower- D	P + 14	42 m
5	Tower- E	P + 14	42 m
6	Tower- F	P + 14	42 m

23. Number of tenants and shops	No. of Tenants : 1288, Shops :11, Clubhouse
24. Number of expected residents / users	6517 persons
25. Tenant density per hectare	3031.163
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	18.30 m (Pune-Nashik Highway)
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29. Existing structure (s) if any	NA. Previously the land was agricultural land and now building construction will be done as per approved construction area under Pradhan Mantri Awas Yojana.
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

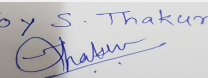
32. Total Water Requirement

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Dry season:	Source of water	PCMC
	Fresh water (CMD):	581 KLD
	Recycled water - Flushing (CMD):	292 KLD
	Recycled water - Gardening (CMD):	12 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	885 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	25.0 KLD per Building
	Excess treated water	325 KLD 337
Wet season:	Source of water	PCMC
	Fresh water (CMD):	581 KLD
	Recycled water - Flushing (CMD):	292 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	873 KLD
	Fire fighting - Underground water tank(CMD):	300 KLD
	Fire fighting - Overhead water tank(CMD):	25.0 KLD per Building
	Excess treated water	337 KLD
Details of Swimming pool (If any)	Not Applicable	

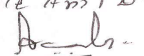
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	873 KLD	873 KLD	Not applicable	175 KLD	175 KLD	Not applicable	698 KLD	698 KLD
Gardening	Not applicable	12 KLD	12 KLD	Not applicable	12 KLD	12 KLD	Not applicable	0 KLD	0 KLD

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Below 3 m
	Size and no of RWH tank(s) and Quantity:	2.0 x 2.0 x 3.0 m Deep, Rain water harvesting system will be developed in the form of Rain Water recharge Pits. Rain Water will be collected through RWP. Total 10 Recharge pits are proposed in the project. Total 65% of rain water will be harvested through these recharge pits.
	Location of the RWH tank(s):	Ground level (UG)
	Quantity of recharge pits:	10 Nos.
	Size of recharge pits :	2.0 x 2.0 x 3.0 m Deep
	Budgetary allocation (Capital cost) :	58.3 Lakhs
	Budgetary allocation (O & M cost) :	2.9 Lakhs
	Details of UGT tanks if any :	All UG tanks are proposed at ground level as per requirement of each building. Rain water harvesting system will be developed in the form of Rain Water recharge Pits. Rain Water will be collected through RWP. Total 65% water will be Harvested. Every tower has Domestic water tank of 144.5 KLD capacity .
35.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	The Minimum Size of Storm Water Channel is 0.6 x 0.6m deep. Max size of 0.6 x 0.7m deep & drain connected at two locations of project site.
	Size of SWD:	0.30 m X 0.30 m
Sewage and Waste water	Sewage generation in KLD:	698 KLD
	STP technology:	RMBR
	Capacity of STP (CMD):	1 STP of capacity 750 KLD
	Location & area of the STP:	Ground Level (UG)
	Budgetary allocation (Capital cost):	92 Lakhs
	Budgetary allocation (O & M cost):	5 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	6517.545 cum of excavated material
	Disposal of the construction waste debris:	Construction waste debris will be reused at the same site. Excess will be used for filling purpose of our own development sites as much as possible. Rest will be disposed off to authorized sites. Quantity of 4000 cum top soil to be preserved which is being utilized for landscaping.
Waste generation in the operation Phase:	Dry waste:	1302 Kg /day
	Wet waste:	1941 Kg /day
	Hazardous waste:	0 Kg/day
	Biomedical waste (If applicable):	0 Kg/day
	STP Sludge (Dry sludge):	94 Kg/day
	Others if any:	NA
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Mode of Disposal of waste:	Dry waste:	Dry garbage will be disposed off through authorized contractors.
	Wet waste:	Wet garbage shall be treated in organic waste converter (OWC) on site and manure so obtained will be used in landscaping.
	Hazardous waste:	Waste oil from D.G. sets will be handed over to authorized recyclers.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP to be mixed with wet waste and processed in OWC, this will be used as manure for gardening.
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	70 Sq. m
	Area for machinery:	200 Sq. ft
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	22 Lakhs
	O & M cost:	8.4 Lakhs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5-8.5	6.0-8.0	6.5-9
2	Suspended Solids	mg/lit	400	10	100
3	BOD	mg/lit	350	<10	100
4	COD	mg/lit	600	<50	250
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38. Hazardous Waste Details

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

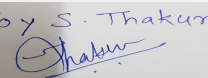
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG	LDO	1	Height of Building + 3 M	0.15	54 degree celcius

40. Details of Fuel to be used


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Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	Not applicable	55 Litres /hr	Not applicable
41.Source of Fuel		LDO		
42.Mode of Transportation of fuel to site		Road		
43.Green Belt Development	Total RG area :	2000 Sq. m		
	No of trees to be cut :	0 Nos.		
	Number of trees to be planted :	201 Nos.		
	List of proposed native trees :	201 Nos.		
	Timeline for completion of plantation :	3 years		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	10	Good for roadside plantation and have medicinal properties.
2	Anthocephallus cadamba	Kadamb	20	Good for roadside plantation and provide shade.
3	Saraca indica	Sita ashok	20	Good for roadside plantation and provide shade.
4	Cassia fistula	Bahava	15	Have medicinal properties and larval host for butterflies.
5	Lagerstroemia flos regineae	Tamhan	15	Good as an avenue tree, good for group planting around water gardens and ponds.
6	Azadirachta indica	Neem	20	Good for restoration of dryer parts, good for air purifier and have medicinal properties.
7	Michelia champaca	Son chafa	30	Good for ornamental purpose.
8	Murraya paniculata	Kunti	10	Good for ornamental purpose.
9	Bauhinia racemosa	Apta	20	Drought resistant, good air purifier and have medicinal properties.
10	Delonix regia	Gulmohar	41	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 Applicable	Not Applicable	Not Applicable	
47.Energy				

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	170 kW
	DG set as Power back-up during construction phase	1 DG set of 200 kVA
	During Operation phase (Connected load):	7100.56 kW
	During Operation phase (Demand load):	3128.71 kW
	Transformer:	6 Nos. of 630 kVA
	DG set as Power back-up during operation phase:	1 DG of 125 kVA and 1 DG of 250 kVA capacity.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Energy Saving Measures:

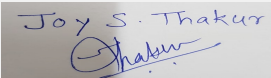
- Road/Landscape area lighting : LED Street Lighting
- Lobby & staircase and Parking area lighting on LED lights/ Solar lights
- Solar Hot Water system to all flats
- T5 lights at parking space.
- Lifts with VFD
- Water Level Controller with Timer for water pumps system to be provided.
- Roofs will be insulated to minimize heat gain with 50 mm expanded polystyrene or equivalent insulation.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Road/Landscape : LED Street Lighting	50%
2	Parking Lights : LED	45%
3	Lobby and Staircase :LED Lights	45%
4	Lifts with VFD and Passage (8 People)	30%
5	Lifts with VFD and Service (13 People)	33%
6	Solar Hot Water system	100%
7	Plumbing/ Fire fighting load	30%
8	Total Energy saving	36.11%

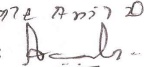
50. Details of pollution control Systems

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


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Air pollution and Noise pollution due to DG set	Not applicable	Stack of required height and acoustic enclosure for noise control
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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	267.7 Lakhs
	O & M cost:	162.93 Lakhs

51.Environmental Management plan Budgetary Allocation

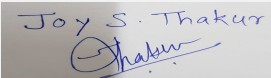
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	water sprinkling	0.7 Lakhs
2	Site Sanitation	Septic tank	1.5 Lakhs
3	Environmental Monitoring	For Air, Water, soil and Noise analysis from MoEF accredited lab	1.3 Lakhs
4	Disinfection at site	Pest control Team appointment	7.2 Lakhs
5	Health Check up of Workers	Doctor appointment	43.2 Lakhs
6	DMP cost	Safety during construction , PPE to workers	2.4 Lakhs

b) Operation Phase (with Break-up):

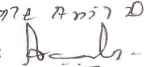
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	STP installation	92 Lakhs	5 Lakhs/yr
2	RWH cost	Rain Water Harvesting Tank and Recharge Pits	58.3 Lakhs	2.9 Lakhs/yr
3	Environmental Monitoring	For Air, Water, soil and Noise analysis from MoEF accredited lab	0 Lakhs	15.205 Lakhs/yr
4	Solar Energy	Solar Hot water System for all the flats	353 Lakhs	17.65 Lakhs/yr
5	Gardening	Total area of garden is 2000 Sq.mt.	0 Lakhs	0 Lakhs
6	Solid waste management	OWC machine	22 Lakhs	8.4 Lakhs/yr
7	Energy Saving Measures	Energy saving equipments installed	267.7 Lakhs	162.93 Lakhs/yr
8	DMP cost	Fire sprinklers, extinguisher, camera, security sign etc	724.6 Lakhs	7.24 Lakhs/yr

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


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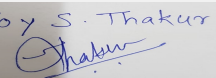
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

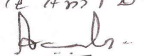
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Separate entry and exit roads with minimum 12 m and 18 m abutting road.
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	7174.8 Sq. m
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Two Wheeler - 1617 Nos. and Bicycles - 1617 Nos.
	Number of 4-Wheelers as approved by competent authority:	2 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6.0 m and 6.0 m wide internal driveway.
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Proposed construction of 1288 EWS housing, club house and 11 shops on Old G. No. 1285(P), 1287(P), 1290(P), New G. No. 165(P), 167(P), 168(P), 171(P), Reservation no. 1/162 at Borhadewadi village, Moshi, District-Pune in PCMC area under Pradhan Mantri Awas Yojana by Pimpri-Chinchwad Municipal Corporation.

PP submitted their application for prior Environmental clearance for total plot area of 20000 Sq. Mtrs, BUA of 66490.34 Sq. Mtrs and FSI area of 44893.76 Sq. Mtrs. PP proposes to construct 6 no. residential & commercial building +1 club house.

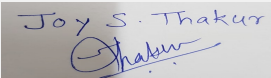
The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8 (a) B2.

DECISION OF SEAC

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.

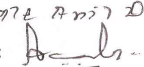
Specific Conditions by SEAC:

- 1) PP to relocate the UGT from STP.
- 2) PP to submit revised RG plan, and provide mandatory RG area on virgin land also submit the drawing with calculations.
- 3) PP to submit parking layout plan also submit details of space provide for vehicular movement.
- 4) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement with executor.
- 5) PP to submit landscape plan.
- 6) PP to submit cross section at 6-7 places showing the space left for SWD, plantation of trees and compound wall.
- 7) PP to submit hydrogeological report along with RWH recharge pit.
- 8) PP to submit revised water supply NOC.
- 9) PP to submit debris management plan with excess earth disposal details.
- 10) PP to submit site specific EMP with revised cost.
- 11) PP to submit revised tree list along with NOC if applicable.
- 12) PP to submit revised OWC design with proper curing period.
- 13) PP to submit design details of STP.
- 14) PP to submit indemnity bond for project land.
- 15) PP to submit Solid waste, E-waste NOC.
- 16) PP to submit 7/12 details of G.no-165(p).
- 17) PP to submit sewer line connectivity up to final disposal point.
- 18) PP to submit socioeconomic infrastructure of project vicinity.


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FINAL RECOMMENDATION

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


SEAC-AGENDA-00000000144

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SEAC-III)

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Name: K 072 Anil D.
Signature: 

**Shri. Anil Kale (Chairman
SEAC-III)**

72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

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

Is a Violation Case: No

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

22.Number of buildings & its configuration

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

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

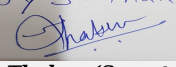
31.Production Details

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

32.Total Water Requirement


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

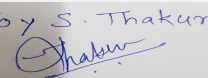
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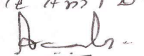
Name: K. Anil Kale

 Signature: Shri. Anil Kale (Chairman
 SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon : 6 m bgl ,Post monsoon : 4.5 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 no. of recharge shafts
	Size of recharge pits :	0.9m x1.5m
	Budgetary allocation (Capital cost) :	Rs. 8,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 90,000/-
	Details of UGT tanks if any :	Domestic water storage =255.6 KLD Commercial water storage= 10 KLD Raw water storage= 127.8 KLD Fire fighting water storage =300 KLD
35.Storm water drainage	Natural water drainage pattern:	The storm water drainage will be designed according to contours.
	Quantity of storm water:	293.15 m ³ /day
	Size of SWD:	200mm-600mm
Sewage and Waste water	Sewage generation in KLD:	361 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos. of STP's with 220 KLD & 150KLD Capacity
	Location & area of the STP:	On ground, Total Area is STP -I (220KLD) 100 Sq.mtr and STP -II (150KLD) 73 Sq.mtr.
	Budgetary allocation (Capital cost):	STP -I Rs. 70 Lacs and STP -II Rs. 50 Lacs Total- 1.20 Cr.
	Budgetary allocation (O & M cost):	STP -I Rs. 5.0 Lacs and STP -II Rs. 4.0 Lacs Total- 9 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	20 kg/day (Wet+Dry)
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads.
Waste generation in the operation Phase:	Dry waste:	593 kg/day
	Wet waste:	869 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	123 kg/day
	Others if any:	E-waste- 4.3 kg/day

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Mode of Disposal of waste:	Dry waste:	Handed over to Swach for further handling & disposal purpose
	Wet waste:	Wet waste will be treated through onsite organic waste converter machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E-waste-Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	16 sq. mt.
	Area for machinery:	64 sq. mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 25,75,000/-
	O & M cost:	Rs. 5,92,101 /-

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

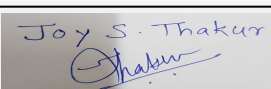
39. Stacks emission Details

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

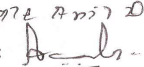
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41. Source of Fuel	Not applicable
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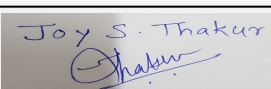
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42.Mode of Transportation of fuel to site		Not applicable
43.Green Belt Development	Total RG area :	2152.14Sq.mt.
	No of trees to be cut :	0
	Number of trees to be planted :	273 no.
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	Till operation phase

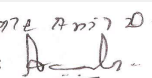
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahuniaracemosa	Apta	19	Every part of the plant is medicinal,Drought tolerant species.
2	Roystonea regia	Bottle palm	04	Medicinal value, Edible leaves.
3	Aeglemarmelos	Bel	13	Medicinal value ,Drought tolerant species.
4	Putrnjivaroxburghii	Putrnjiva	20	Medicinal value, Drought tolerant species
5	Gmelinaarborea	Shivan	14	Medicinal value, Drought tolerant species, Bird attracting species.
6	Mimosupselengii	Bakul	22	Fragrant flowers, Medicinal value, To control soil erosion.
7	Nyctanthusarbortristis	Parijatak	24	Fragrant flowers, Medicinal value
8	Erythrinaindica	Pangara	20	Fragrant flowers, Drought tolerant species, Birds attracting
9	Albizialebek	Shirish	09	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
10	Cordiadichotoma	Bhokar	08	Medicinal value, Edible fruits
11	Bauhiniablackiana	Kanchanraj	08	Every part of the plant is medicinal, Drought tolerant species.
12	Ficusglomerata	Umber	08	Medicinal value, Edible fruits, Bird attracting species
13	Buteamonosperma	Palas	04	Medicinal value, Bird attracting species , To control soil erosion.
14	Syzygiumcumini	Jamun	08	Medicinal value, Edible fruit.
15	Anthocephaluskadamba	Kadamb	08	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
16	Azardirachtaindica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
17	Dalbergiasissoo	Shisav	08	Medicinal value, Bird attracting species


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

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	NA	0	0

47.Energy

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

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

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

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

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	22.13
2	Land	Labour Camp Toilets & Sanitation	4.80

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	2 nos of STP's -MBBR Technology	120.0	9.0
2	Solid Waste Management	SM 50	25.75	5.92
3	Landscaping	Development and Maintenance	44.54	7.13
4	Rain Water Harvesting	5 Recharge shafts	8.00	0.9
5	Energy Saving	Solar PV panels	122.05	4.16
6	Environmental Monitoring	-	0	1.82

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

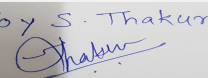
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

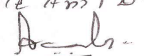
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Proposed site is located at Dhanori. The road network within the site has been deigned to cater to the traffic loads of the project
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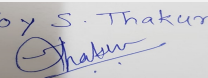
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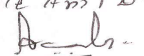
Name: K. Anil Kale

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Parking details:	Number and area of basement:	1No. Area- 7343.68 sq.mt.
	Number and area of podia:	1 No. Area- 5374.43 sq.mt.
	Total Parking area:	16608.40 sq.mt.
	Area per car:	Basement- 35 sq. mt. Stilt-30 sq. mt.
	Area per car:	Basement- 35 sq. mt. Stilt-30 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	1273
	Number of 4-Wheelers as approved by competent authority:	955
	Public Transport:	NA
	Width of all Internal roads (m):	6 m. wide internal road and 9 m. turning radius will be provided .
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) -building and construction project
	Court cases pending if any	NA
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of 8 residential wings having 568 flats + 1 commercial building + 1 club house
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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Environment Clearance for Environment Clearance for Proposed Residential & Commercial Project at Sr. no. 12 , Dhanori, Pune By M/s. Krisna Nirmaan Skyscraper LLP At - Sr. n. 12, Dhanori Pune by Mr. Sunil Rameshwardas Agarwal.

PP submitted their application for prior Environmental clearance for total plot area of 24000.0 Sq. Mtrs, BUA of 86627.70 Sq. Mtrs and FSI area of 47125.21 Sq. Mtrs. PP proposes to construct 6 no. residential & commercial building.

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

DECISION OF SEAC

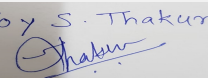
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit water supply NOC.
- 2) PP to upload STP details.

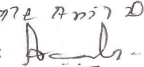
FINAL RECOMMENDATION

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

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72 nd Meeting of SEAC-3 (Day-2)

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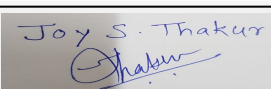
Subject: Environment Clearance for for project by M/s Army Welfare Housing Organisation

Is a Violation Case: Yes

1.Name of Project	TUCKER AWHO ENCLAVE(PH-2)
2.Type of institution	Private
3.Name of Project Proponent	Col. R. P. S. Rawat
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 16,17,18(P),Gondhale Nagar, Near Swami Samarth Math, Hadapsar
9.Taluka	Haveli.
10.Village	Hadapsar
Correspondence Name:	Col. R. P. S. Rawat
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	S. No. 16,17,18(P),
Locality:	Gondhale Nagar, Near Swami Samarth Math, Hadapsar,
City:	Pune-411028
11.Area of the project	PMC
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: 29-01-2011
	Approved Built-up Area: 135500.39
13.Note on the initiated work (If applicable)	135440.39 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	66660.75 m2
16.Deductions	16798.63 m2
17.Net Plot area	49862.12 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 74291.75 m2
	b) Non FSI area (sq. m.): 61208.64 m2
	c) Total BUA area (sq. m.): 135500.39
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 74291.75 m2
	Approved Non FSI area (sq. m.): 61208.64 m2
	Date of Approval: 29-01-2011
19.Total ground coverage (m2)	17621.14 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.43 % of Total plot area (66660.75 m2) & 35.33 % of Net plot area (49862.12 m2)
21.Estimated cost of the project	2100000000

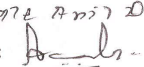
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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1	MDA (Cluster-A)-2 Building	S + 4	14.90
2	LUXURY (Cluster-B)-3 Buildings	S + 4	14.90
3	LUXURY (Cluster-C)-4 Buildings	S + 6	20.90
4	SUPER DELUXE (Cluster-D)-4 Buildings	S + 6	20.90
5	SUPER DELUXE (Cluster-E)-4 Buildings	S + 6	20.90
6	LUXURY (Cluster-F)-4 Buildings	S + 6	20.90
7	SUPER DELUXE (Cluster-G)-4 Buildings	S + 4	14.90
8	Convenience shopping	G+1	5.90

23.Number of tenants and shops	Total Tenements - 528 Nos. Convenience shopping- 1 No, Bank- 1No. Defence Canteen- 1No.
24.Number of expected residents / users	Residential Users : 2640 Nos. Convenient shopping Users : 30 Nos. Total Users : 2670 Nos.
25.Tenant density per hectare	80/H
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

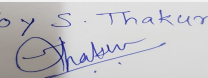
31.Production Details

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

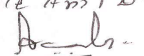
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Dry season:	Source of water	PMC							
	Fresh water (CMD):	380.25 m3/day (One Time)							
	Recycled water - Flushing (CMD):	119.61 m3/day							
	Recycled water - Gardening (CMD):	22.50 m3/day							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	238.14 m3/day							
	Fire fighting - Underground water tank(CMD):	100 m3							
	Fire fighting - Overhead water tank(CMD):	250 m3							
	Excess treated water	179.87 m3/day							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	357.75 m3/day (One Time)							
	Recycled water - Flushing (CMD):	119.61 m3/day							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	238.14 m3/day							
	Fire fighting - Underground water tank(CMD):	100 m3							
	Fire fighting - Overhead water tank(CMD):	250 m3							
	Excess treated water	202.37 m3/day							
Details of Swimming pool (If any)									
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
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

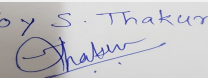
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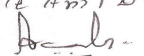
Name: K. Anil Kale

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Minimum:-0.75 m BGL Maximum:- 4.5 m BGL
	Size and no of RWH tank(s) and Quantity:	6 Nos.
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 1.5 m. Depth
	Budgetary allocation (Capital cost) :	Rs 110.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 12.00 Lakh /Year
	Details of UGT tanks if any :	Existing: Domestic and Flushing UG tank Capacity : 158 m3 Fire UG tank Capacity : 100 m3
35.Storm water drainage	Natural water drainage pattern:	-
	Quantity of storm water:	15492.53 m3 /year
	Size of SWD:	450mm-1200 mm
Sewage and Waste water	Sewage generation in KLD:	321.98 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	325 m3/day (Existing)
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs. 137.00 Lakh
	Budgetary allocation (O & M cost):	Rs.12.48 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	45 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	Dry waste:	532.50 kg/day
	Wet waste:	795.00 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	28.98 kgs/day (100% dry)
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	Authorized Vendor
	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:	60.00m2 including machinery area
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 20.00 Lakh
	O & M cost:	Rs.4.56 Lakh/year

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

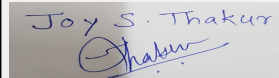
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	500 KVA - 1 No(Existing)	407.2 Liters on 24 hrs running basis.	S-1	3.5 Mtr.	will be provided	will be provided

40. Details of Fuel to be used

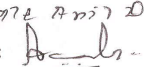
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	407.2 Liters on 24 hrs running basis.	NA	407.2 Liters on 24 hrs running basis.

41. Source of Fuel	Bharat Petroleum Corporation Ltd/ Hindustan Petroleum
42. Mode of Transportation of fuel to site	By Roadways


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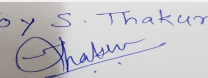
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43.Green Belt Development	Total RG area :	7667.44 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	535 Nos already planted
	List of proposed native trees :	-
	Timeline for completion of plantation :	Completed


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	Magnolia champaca	Sonchafa	144	Magnolia Champaca is cultivated by specialty Nurseries as an ornamental plant, for its form as an ornamental tree, as a dense screening hedge and for its fragrant flowers
2	Saraca indica	Ashoka	34	Shade, Cultural aspects and medicinal value
3	Nyctanthes arbor-tristis	Parijata	18	Antibacterial and antifungal presence in bark, leaves and fruits. Oil from flowers is used as perfume. Shady in summers
4	Hibiscus rosa-sinensis	Hibiscus	108	Aesthetically sound and medicinal
5	Hyophorbe indica	Champagne Palm	35	Aesthetically sound, tall and shady
6	Ficus benamina	Ficus	60	Adaptive to changes, can grow in scarcity of water and light, fruits are edible and aesthetically sound
7	Platycladus orientalis	Morphankhi	6	Bushy medium sized plant having several stems. Thuja is high in medicinal value as well as its conical shape and cones are of high aesthetic values
8	Juniperus communis	Juniper	7	It is dioecios, with male and female cones on separate plants, which are wind pollinated. Aesthetically sound
9	Schefflers arboricola	Schefflers Arboricola	15	Popular for its tolerance of neglect and poor growing conditions. It is also grown as a landscape plant in milder climates where frosts are not severe
10	Roystonea regia	Royal Palm	35	Tall, beautiful and aesthetically sound
11	Nolina recurvata	Bottle Palm	2	Adjustable top most of the tropical and is adaptive too. Looks elegant as it has high aesthetic value

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12	Bougainvillea glabra	Bougainvillea	40	An ornamental shrubby climbing plant that is widely cultivated in tropics. The insignificant flowers are surrounded by large, brightly coloured papery bracts which persist on the plant for a long time
13	Ficus exasperate	Banyan Tree	1	The tree has smooth grey bark. Alternately arranged, ovate-elliptic leaves have a very rough surface, making them look like sand pepper. Aesthetically high value
14	Wodyetia bifurcta	Wodyetia palm	30	The tree grows up to 30 fts tall, aesthetically high and shady

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

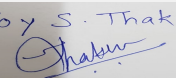
Power requirement:	Source of power supply :	MSEDCL.
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5KVA-1 No.
	During Operation phase (Connected load):	2955 KW
	During Operation phase (Demand load):	3694 KVA
	Transformer:	7 Nos. x 630 KVA(Existing)
	DG set as Power back-up during operation phase:	1 No. x 500 KVA(Existing)
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

48.Energy saving by non-conventional method:

- By Using T5 / PL Bulkhead Lamps & Electronic Ballast
- External Street Lighting will be on LED fixtures
- Saving Due to CFL / T5 Lamp
- Saving Due to Electronic Ballast
- Saving Due to VFD and Efficient Pump

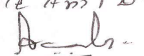
49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By Using 12W LED lamp	33%

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2	By Using BEE FIVE star certified Air conditioners	10%
3	By Using Solar Water heater system:-	15%
4	By Using 9W PL Bulkhead lamp for Terrace & Outside building lighting	75%
5	By Using electronic ballast	20%
6	By Using VFD and high efficient pump	20-30%
7	By Using LED for External Lighting	70%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Green Belt is developed	-
Water	STP is installed & excess treated water used for flushing & gardening.	-
Noise	Acoustically enclosed DG set is brought & installed.	Traffic management plan to be prepared. Noise monitoring will be done in once a fortnight.
Solid Waste	Solid waste is handed over to corporation garbage container.	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. 84.00 Lakh
	O & M cost:	Rs. 0.18 Lakh/Year

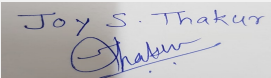
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation -Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00 Lakh/Year

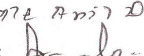
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	137.00 Lakh	12.48 Lakh/Year
2	RWH	Rain Water Harvesting	110.00 Lakh	12.00 Lakh/Year
3	MSW	Municipal Solid Waste	20.00 Lakh	4.56 Lakh/Year
4	Solar energy	-	84.00 Lakh	0.18 Lakh/Year
5	Landscaping	-	252.00 Lakh	4.23 Lakh/Year
6	Safety Equipment	-	10.00 Lakh	2.00 Lakh/Year


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7	Post EC Monitoring	-	-	2.50 Lakh/Year
8	Dry Waste Management	-	-	3.16 Lakh/Year

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

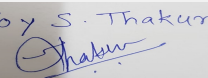
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

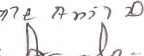
53.Traffic Management

	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:	20688.40 m ²
	Area per car:	36.87 m ²
	Area per car:	36.87 m ²
	Number of 2-Wheelers as approved by competent authority:	784
	Number of 4-Wheelers as approved by competent authority:	561
	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	8(a)

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	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for for project at S. No. 16,17,18(P),Gondhale Nagar, Near Swami Samarth Math, Hadapsar by M/s Army Welfare Housing Organisation (violation case).

PP submitted their application for prior Environmental clearance for total plot area of 66660.75 Sq. Mtrs, BUA of 135500.39 Sq. Mtrs and FSI area of 74291.75 Sq. Mtrs. PP proposes to construct 25 no. residential & commercial building +shopping building.

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

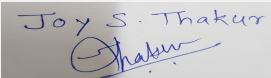
DECISION OF SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 58 of 164	Name: K ०१२ Anil Kale Signature:  Shri. Anil Kale (Chairman SEAC-III)
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After deliberation, Committee Hereby accords approval to the Terms of Reference for proposed 'Construction for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP) including all above points for further discussion and consideration of SEAC as per MoEF & CC Notification dated 14/03/2017 and 8/03/2018. PP requested for time to submit above information.

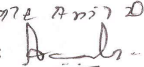
Specific Conditions by SEAC:

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


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FINAL RECOMMENDATION

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


SEAC-AGENDA-00000000144

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SEAC-III)

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Name: K 072 Anil D.
Signature: 

**Shri. Anil Kale (Chairman
SEAC-III)**

72 nd Meeting of SEAC-3 (Day-2)

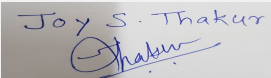
SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Environment Clearance for Building construction project

Is a Violation Case: No

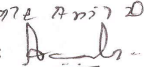
1.Name of Project	Yash Florencia
2.Type of institution	Private
3.Name of Project Proponent	M/s. Akshay Enterprises
4.Name of Consultant	M/s. Building Environment (I) Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 28/2 Kondhwa, Pune
9.Taluka	Haveli
10.Village	Kondhwa
Correspondence Name:	M/s. Akshay Enterprises
Room Number:	Office no. 205
Floor:	2nd floor
Building Name:	4th Dimension Building
Road/Street Name:	Near Mehendale Garage Road , Above Manali Hotel
Locality:	Erandwana
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	commencement certificate issued by Pune Municipal Corporation on 19/06/2013
	IOD/IOA/Concession/Plan Approval Number: AMC/Commencement certificate No. CC/0969/13 on dated 19/06/2013
	Approved Built-up Area: 4564.22
13.Note on the initiated work (If applicable)	Excavation done and stop as plot potential is less than 20000 Sq.m. vide commencement certificate issued by Pune Municipal Corporation on 19/06/2013
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	No
15.Total Plot Area (sq. m.)	6900.00 Sq.m.
16.Deductions	717.66 Sq.m.
17.Net Plot area	6182.34 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 14366.37
	b) Non FSI area (sq. m.): 13,017.84
	c) Total BUA area (sq. m.): 27384.21
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 14366.37 In process to PMC
	Approved Non FSI area (sq. m.): 13017.84 In process to PMC
	Date of Approval: 19-06-2013
19.Total ground coverage (m2)	1151.45 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.62 % of Net Plot Area , 16.68 % of Total Plot Area
21.Estimated cost of the project	730000000

22.Number of buildings & its configuration


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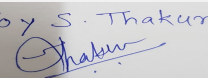
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A	3 P + 2 S +12	42.75 m	
2	Wing B	3 P + 14	42.75 m	
23.Number of tenants and shops	Residential - 244 nos. Commercial Shops - 24 nos. Commercial Area : 605.19 Sq.m.			
24.Number of expected residents / users	Residential - 1220 nos. , Commercial - 188 nos.			
25.Tenant density per hectare	2040.57			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	24 M			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M			
29.Existing structure (s) if any	NA			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA
32.Total Water Requirement				

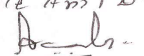
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Dry season:	Source of water	Pune Municipal Corporation							
	Fresh water (CMD):	113.56							
	Recycled water - Flushing (CMD):	64.5							
	Recycled water - Gardening (CMD):	4.9							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	178.06							
	Fire fighting - Underground water tank(CMD):	405.35 CMD							
	Fire fighting - Overhead water tank(CMD):	210.23 CMD							
	Excess treated water	91.42 CMD							
Wet season:	Source of water	Pune Municipal Corporation							
	Fresh water (CMD):	113.56							
	Recycled water - Flushing (CMD):	59.6							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	NA							
	Total Water Requirement (CMD) :	173.16							
	Fire fighting - Underground water tank(CMD):	405.35 CMD							
	Fire fighting - Overhead water tank(CMD):	210.23 CMD							
	Excess treated water	96.24 CMD							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA

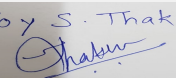
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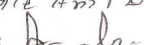
Name: K. Anil Kale

 Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 to 8 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 nos.
	Size of recharge pits :	2.0 x 2.0 x 3.0 m
	Budgetary allocation (Capital cost) :	4.0 Lakhs
	Budgetary allocation (O & M cost) :	0.4 Lakhs/year
	Details of UGT tanks if any :	Domestic Capacity : 199.18 m3 Fire fighting Capacity : 150.00 m3
35.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	2900.30 m3/year
	Size of SWD:	200 mm
Sewage and Waste water	Sewage generation in KLD:	159.74
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. 185 KLD
	Location & area of the STP:	On Ground having area 90 Sq.m.
	Budgetary allocation (Capital cost):	19.00 Lakhs
	Budgetary allocation (O & M cost):	10.68 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	20 Kg/day
	Disposal of the construction waste debris:	This material shall be used for back filling and levelling of the plot and remaining will be disposed to authorized sites, • Construction debris:- construction waste will be partly reused for backfilling, counterweight of raft, road works and landscaping etc and partly disposed of to designed dumping site
Waste generation in the operation Phase:	Dry waste:	272 Kg/day
	Wet waste:	385 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	34.65 Kg/day
	Others if any:	E Waste - 798 Kg/year

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Mode of Disposal of waste:	Dry waste:	Handover to authorized vendor
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	Send to authorized Recycler
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	48 Sq.m.
	Area for machinery:	105 Sq.mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	14.75 Lakhs
	O & M cost:	3.10 Lakhs / Year

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

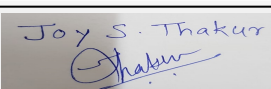
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set 160 KVA	30 litres/hr	1	5.22 mtr	-	-

40. Details of Fuel to be used

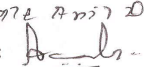
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	21.6 lit/hr	21.6 lit/hr

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


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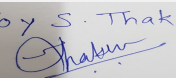
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43.Green Belt Development	Total RG area :	618.23 Sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	95 nos.
	List of proposed native trees :	Enclosed as Annexure
	Timeline for completion of plantation :	Mid of Construction

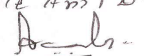
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia lebek	Shirish	04	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
2	Anthocephalus kadamba	Kadamb	04	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
3	Azardirachta indica	Neem	08	Medicinal value, To control soil erosion. To improve soil erosion
4	Bauhinia blackiana	Kanchanraj	04	Every part of the plant is medicinal, Drought tolerant species.
5	Butea monosperma	Palas	04	Medicinal value, Bird attracting species , To control soil erosion.
6	Cassia fistula	Bahawa	03	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
7	Pongamia pinnata	Karanj	06	Medicinal value, Drought tolerant species, To control soil erosion. Hardy plant.
8	Cordia dichotoma	Bhokar	06	Medicinal value, Edible fruits,
9	Dalbergia sisoo	Shisav	04	Medicinal value, Bird attracting species ,
10	Schleicherra oleasa	Kusum	04	Native species, Fragrant flowers.
11	Mangifera indica	Mango	04	Edible fruit, Bird attracting species.
12	Mimosops elengii	Bakul	03	Fragrant flowers, Medicinal value, To control soil erosion.
13	Caryota urens	Fishtail palm	04	Grown in any type of soil. Very Hardy.
14	Bahunia racemosa	Apta	02	Every part of the plant is medicinal, Drought tolerant species.
15	Bauhinia purpurea	Gulabi kanchan	04	Every part of the plant is medicinal, Drought tolerant species.
16	Erythrina indica	Pangara	07	Fragrant flowers, Drought tolerant species, Birds attracting

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17	Gmelina arborea	Shivan	03	Medicinal value, Drought tolerant species, Bird attracting species.
18	Aegle marmelos	Bel	04	Medicinal value, Drought tolerant species,
19	Roystonea regia	Bottle palm	13	Ornamental plant, Medicinal value, Birds & bats eat fruits.
20	Michelia champaca	Sonchaffa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
21	-	Total no of trees	95 nos.	-

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	15KW
	DG set as Power back-up during construction phase	1 NO. 40 KVA
	During Operation phase (Connected load):	1116 KW
	During Operation phase (Demand load):	649 KW
	Transformer:	1 No. 630 KVA and 1 No. 315 KVA
	DG set as Power back-up during operation phase:	1 No. 160 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NO

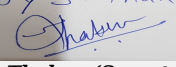
48.Energy saving by non-conventional method:

? Generally we have proposed high efficiency transformer, motors etc. to reduce losses.

? Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 19.5 % due to adopting above measures.


49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Provision of LED light fitting Provision for common areas (parking, staircases, plant rooms etc.)	34164 KWH

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2	Provision of LED light fitting for landscape areas (garden &, other landscape area .)	2759 KWH
3	Provision of LED lamp for SOLAR Street Light	5256 KWH
4	Provision of LED light fitting Provision for Club House	2365 KWH
5	Energy saving by solar water heater.	434625
6	Annual Energy generated from Solar P.V	1.0 %
7	Total Saving Percentage	19.5%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	NA	Green belt will be provided.
Water	NA	STP will be installed & excess treated water used for flushing & gardening
Noise	NA	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	NA	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to municipal corporation

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	35.00 Lakh
	O & M cost:	0.7 Lakh /Year

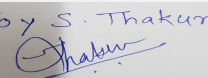
51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control dust suppression measures and barricading	0.25
2	Personnel protective equipment	Helmets, Ear plugs, Mask, Hand gloves	5.0
3	Site sanitation Facilites	Mobile toilets, Cleaning facilities	2.0
4	Water provision	Drinking water and water sprinkling	4.0
5	Health check up	-	2.0
6	Air,Water, Soil and Bio	Environmental Monitoring	1.0
7	Total	-	14.25

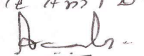
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 no. 185 KLD	19.00	10.68
2	Solid waste Management	657 Kg/day	14.75	3.10
3	Recharge pits	2 nos.	4.0	0.4
4	Landscaping	95 No of trees	9.61	1.54
5	Solar System	Used for hot water	35.00	0.7

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6	Environmental Monitoring	-	-	1.0
7	Total	-	82.36	17.42

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

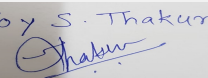
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

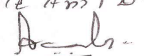
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	2 nos. of basement 1. Basement : 3404.42 Sq.m. 2. Lower Parking : 2932.02 Sq.m. 3. Upper Parking : 2932.02 Sq.m.
	Number and area of podia:	NA
	Total Parking area:	9268.46 Sq.m.
	Area per car:	12,5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	Scooter required - 560 nos., Provided - 563 nos. / Cycle required - 373 nos., Provided - 373 nos.
	Number of 4-Wheelers as approved by competent authority:	car required - 221 nos., provided - 244 nos.
	Public Transport:	By Local Bus
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B

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	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for Building construction project at S.No. 28/2 Kondhwa, Pune by M/s. Akshay Enterprises.

PP submitted their application for prior Environmental clearance for total plot area of 6900.00 Sq. Mtrs, BUA of 27384.21 Sq. Mtrs and FSI area of 14366.37 Sq. Mtrs. PP proposes to construct 2 no. of residential & commercial buildings.

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

DECISION OF SEAC

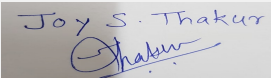
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit architect certificate for area constructed at site.
- 2) PP to ensure commercial area parking is isolated from residential area.
- 3) PP to submit details of ramp width & slope.
- 4) PP to submit basement approved plan.
- 5) PP to submit revised parking layout for basement and ensure proper ventilation at dead-end.
- 6) PP to submit CFO NOC.
- 7) PP to submit fire tender movement plan.
- 8) PP to submit undertaking for sustainable water supply.
- 9) PP to submit RWH details with silt chamber.
- 10) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement with executor.
- 11) PP to submit site specific EMP.
- 12) PP to submit cross section of UGT.

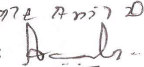
FINAL RECOMMENDATION

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


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72 nd Meeting of SEAC-3 (Day-2)

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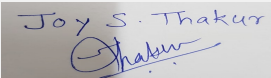
Subject: Environment Clearance for Building construction Project

Is a Violation Case: No

1.Name of Project	Proposed Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohan Devji Naik
4.Name of Consultant	Mr. Rajesh Shrivastav PECS- Pollution & Ecology Control Services.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	SR. NO. 72/1B/1+72/1B/2, Varale -Ambi Road
9.Taluka	Maval
10.Village	Varale
Correspondence Name:	Mr. Mohan Devji Naik
Room Number:	G-8
Floor:	2nd Floor
Building Name:	K K Market
Road/Street Name:	-
Locality:	Dhankawadi
City:	Pune
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	IOD not received
	IOD/IOA/Concession/Plan Approval Number: Not Received
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	15248 Sqm
16.Deductions	2698 Sqm
17.Net Plot area	12550
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 17783
	b) Non FSI area (sq. m.): 9982.05
	c) Total BUA area (sq. m.): 27765.05
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Applied for
	Approved Non FSI area (sq. m.): Applied for
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3333.12
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.56 %
21.Estimated cost of the project	477723200

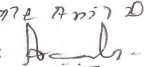
22.Number of buildings & its configuration

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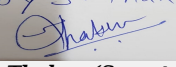

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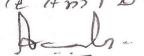
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

1	Building A	B + P + 10	31.5	
2	Building B	B + P + 10	31.5	
3	Building C	B + P + 11	34.35	
4	Building D	B + P + 12	37.2	
23.Number of tenants and shops	424 Tenements			
24.Number of expected residents / users	Residential Users- 2120 Nos			
25.Tenant density per hectare	338 Tenements per hectore			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 M wide approach road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 M			
29.Existing structure (s) if any	NIL			
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				

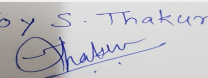
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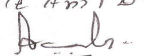
Name: K 072 Anil D.

Signature: Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Grampanchayat, Varale							
	Fresh water (CMD):	190.8							
	Recycled water - Flushing (CMD):	95.4							
	Recycled water - Gardening (CMD):	7.53							
	Swimming pool make up (Cum):	2.14							
	Total Water Requirement (CMD) :	295.87							
	Fire fighting - Underground water tank(CMD):	100							
	Fire fighting - Overhead water tank(CMD):	40							
	Excess treated water	183.27							
Wet season:	Source of water	Grampanchayat, Varale							
	Fresh water (CMD):	190.8							
	Recycled water - Flushing (CMD):	95.4							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	286.2							
	Fire fighting - Underground water tank(CMD):	100							
	Fire fighting - Overhead water tank(CMD):	40							
	Excess treated water	190.8							
Details of Swimming pool (If any)	Size of swimming pool- 7.05 m x 5.05 m x 1.2 m								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
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

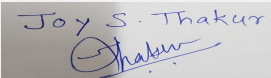
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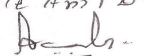
Name: K. Anil Kale

 Signature: Shri. Anil Kale (Chairman
 SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	12 m BGL
	Size and no of RWH tank(s) and Quantity:	Harvesting proposed in recycled water tank with filtration
	Location of the RWH tank(s):	Collected in raw water tank
	Quantity of recharge pits:	4 Nos.
	Size of recharge pits :	2m x 2m x 3m
	Budgetary allocation (Capital cost) :	Rs. 2.60 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.11 Lacs/Annum
	Details of UGT tanks if any :	UGT capacity- 440 Cum
35.Storm water drainage	Natural water drainage pattern:	Sowth East to North West
	Quantity of storm water:	4230.19
	Size of SWD:	450 mm to 600 mm
Sewage and Waste water	Sewage generation in KLD:	286.2 Cum
	STP technology:	Phytorid
	Capacity of STP (CMD):	300 Cum- 1 No
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	Rs. 40 Lacs
	Budgetary allocation (O & M cost):	Rs. 4.4 Lacs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	2.5 Kg/day
	Disposal of the construction waste debris:	Handed over to Authorized Agency
Waste generation in the operation Phase:	Dry waste:	424.0 Kg/day
	Wet waste:	636.0 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	Negligible. If generated shall be composted in situ
	Others if any:	Nil

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Mode of Disposal of waste:	Dry waste:	Handed over to authorized agency
	Wet waste:	in-situ composting
	Hazardous waste:	If any, handed over to authorized agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	In- Situ Composting
	Others if any:	NA
Area requirement:	Location(s):	As Shown in the plan
	Area for the storage of waste & other material:	71 Sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 14.0 Lacs
	O & M cost:	Rs. 2.0 Lacs/ Annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

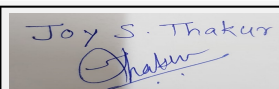
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

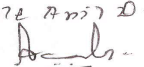
40. Details of Fuel to be used

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		


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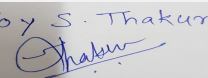
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43.Green Belt Development	Total RG area :	1255 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	157 Nos
	List of proposed native trees :	List given below
	Timeline for completion of plantation :	Before completion of the project


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	12	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.	Kanak Champa	12	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	12	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	12	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	12	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	12	Native to Pune, this Shrub has a Religious importance
7	Mimusops elengi	Bakul	12	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	12	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	12	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	12	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	5	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
12	Saraca asoca	Ashoka	12	Flowering tree attracting Avifauna
13	Azadirachta indica	Neem	12	Multipurpose tree with medicinal uses

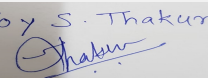
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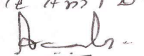
Name: K. Anil Kale
Signature: 
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14	Albizia lebbeck	Shirish	8	Flowering tree attracting Avifauna
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
47.Energy				
Power requirement:	Source of power supply :	MSEDCL		
	During Construction Phase: (Demand Load)	30 KW		
	DG set as Power back-up during construction phase	62.5 KVA		
	During Operation phase (Connected load):	1409 KW		
	During Operation phase (Demand load):	1040 KVA		
	Transformer:	630 KVA- 2 Nos		
	DG set as Power back-up during operation phase:	125 KVA- 1 Nos		
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	NA		
48.Energy saving by non-conventional method:				
<ul style="list-style-type: none"> • Common area lighting such as parking, stairways, passages etc shall be provided with LED bulbs • LED for entire Drive way and internal roads and pathways • Solar Water heating system shall be provided for entire scheme as per norms • Energy efficient pumps. • Timer for Staircase lighting, Lift Lobby, Parking area and street lights. • Energy saving devices for passenger lifts. 				
49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures	Saving %		
1	Solar water Heater, Solar PV, Solar Street Lights	Total 4-6 % of energy 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:	Rs. 37.22 Lacs		
	O & M cost:	Rs. 0.75 Lacs/ Annum		
51.Environmental Management plan Budgetary Allocation				

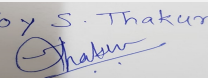
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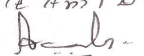
Name: K. Anil Kale

Signature: Shri. Anil Kale (Chairman SEAC-III)

a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Water for construction & labour	Water Requirement	0.92				
2	Site sanitation & safety	Health & Safety	1.60				
3	Environmental Monitoring	Pollution monitoring & control	1.80				
4	Disinfection	Health & Safety	0.50				
5	Health & Safety	Health & Safety	0.50				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Rain water harvesting	RWH Pits	2.60	0.11			
2	Sewage treatment plant	waste water treatment	40.0	4.4			
3	Organic waste composting	solid waste management	14.0	2.0			
4	Tree Plantation	landscape development	9.41	4.15			
5	Energy saving	Energy conservation measures	37.22	0.75			
6	Environmental Monitoring	pollution monitoring & control	0.00	1.80			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
52.Any Other Information							
No Information Available							
53.Traffic Management							
Nos. of the junction to the main road & design of confluence:		2 Nos					

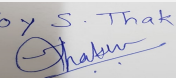
Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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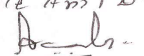
Name: K. Anil Kale

Signature: Shri. Anil Kale (Chairman SEAC-III)

Parking details:	Number and area of basement:	4 Basement of 3333.12 Sqm
	Number and area of podia:	Nil
	Total Parking area:	5916.4 Sqm
	Area per car:	20 Sqm
	Area per car:	20 Sqm
	Number of 2-Wheelers as approved by competent authority:	781 Nos
	Number of 4-Wheelers as approved by competent authority:	124 Nos
	Public Transport:	Nil
	Width of all Internal roads (m):	Minimum 6 M wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

Joy S. Thakur

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Name: K 072 Anil D.
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

72 nd Meeting of SEAC-3 (Day-2)

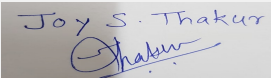
SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Villagio Toscana (EC amendment)

Is a Violation Case: No

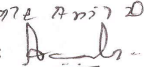
1.Name of Project	Villagio Toscana
2.Type of institution	Private
3.Name of Project Proponent	M/s IDEB Grand Reality Pvt. Ltd.
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Residential Development
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received No. 21-1122/2007-IA-III dated 19th November 2009
8.Location of the project	S.No. 26/4 Kondhwa Khurd,
9.Taluka	Haveli
10.Village	-
Correspondence Name:	2S3, 1st Floor, Indrayu Mall, near Konark Puram, Kondhwa, Pune - 411048
Room Number:	-
Floor:	1st
Building Name:	Indrayu Mall,
Road/Street Name:	-
Locality:	Kondhwa
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	CC/1935/11
	IOD/IOA/Concession/Plan Approval Number: CC/1935/11
	Approved Built-up Area: 30137.7
13.Note on the initiated work (If applicable)	Work has been initiated as per EC received No. 21-1122/2007-IA-III dated 19th November 2009 Wing A, B, C, D (B+2P+8 floor) have been completed FSI: 20702.90 SQM. No FSI: 9434.80 SQM. Total BUA: 30137.70 SQM..
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	27,255.37 Sq.m.
16.Deductions	7695.28 Sq.m.
17.Net Plot area	19560.09 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 42,123.99
	b) Non FSI area (sq. m.): 30,329.59
	c) Total BUA area (sq. m.): 72453.58
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 20702.90
	Approved Non FSI area (sq. m.): 9434.80
	Date of Approval: 30-07-2011
19.Total ground coverage (m2)	5615.67
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.71
21.Estimated cost of the project	980000000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A (completed)	B+2P+8 FLOOR	30
2	Wing B (completed)	B+2P+8 FLOOR	30
3	Wing C (completed)	B+2P+8 FLOOR	30
4	Wing D (completed)	B+2P+8 FLOOR	30
5	Wing E	2P+17 FLOOR	54.15
6	Wing F	2P+17 FLOOR	54.15
7	Wing G	2P+17 FLOOR	54.15
8	Club House	G+1	-

23.Number of tenants and shops	337
24.Number of expected residents / users	1965 + 28
25.Tenant density per hectare	250 tenements per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	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	Work has been initiated as per EC received No. 21-1122/2007-IA-III dated 19th November 2009 Wing A, B,C, D (B+2P+8 floor) have been completed
30.Details of the demolition with disposal (If applicable)	Total number of Row houses to be demolished - 11 (G +1 structure - 5 G + 2 structures - 6)

31.Production Details

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

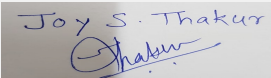
32.Total Water Requirement

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 82 of 164	Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	PMC
	Fresh water (CMD):	194
	Recycled water - Flushing (CMD):	93
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	330
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	89
Wet season:	Source of water	PMC
	Fresh water (CMD):	194
	Recycled water - Flushing (CMD):	93
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	10
	Total Water Requirement (CMD) :	297
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	122
Details of Swimming pool (If any)	AREA -509 SQ.FT 57008 KLD 1025 Filter, Pump, Hair & Lint, Vacuum Point, Vacuum Sweeper, Skimmer etc. Rs.55,00,000/- Rs.2,50,000/- (Annual)	

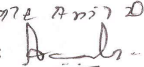
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									


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Name: K. Anil Kale
 Signature: 
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Fresh water requirement	Not applicable	194	194	Not applicable	19	19	Not applicable	175	175
Domestic	Not applicable	93	93	Not applicable	0	0	Not applicable	93	93
Gardening	Not applicable	33	33	Not applicable	33	33	Not applicable	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Below 10 m
	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 :	10 No.s of size - 2 m Dia. & 3m Depth
	Budgetary allocation (Capital cost) :	Rs. 10,00,000.00
	Budgetary allocation (O & M cost) :	Rs.1,00,000.00
Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : 208 Flushing tank Capacity(cum) 127 Fire UG tank Capacity (cum) 300	

35.Storm water drainage	Natural water drainage pattern:	according to contour
	Quantity of storm water:	412 Cu.m/hr
	Size of SWD:	450 mm

Sewage and Waste water	Sewage generation in KLD:	239
	STP technology:	MBBR
	Capacity of STP (CMD):	265
	Location & area of the STP:	Near wing C
	Budgetary allocation (Capital cost):	Rs. 7000000.00
	Budgetary allocation (O & M cost):	Rs. 500000.00

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Top soil - 1129.3 Cum Excavation - 14,104.12 Cum
	Disposal of the construction waste debris:	Backfilling & Road levelling
Waste generation in the operation Phase:	Dry waste:	370 Kg/day
	Wet waste:	246 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13.25 kg/Day
	Others if any:	E waste - 20 Kg/day

Mode of Disposal of waste:	Dry waste:	Will be sent to authorised vendor
	Wet waste:	Will be treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E waste - Will be handed over to authorised vendor
Area requirement:	Location(s):	Near Open space 2
	Area for the storage of waste & other material:	20 Sq.m.
	Area for machinery:	20 Sq.m.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20,00,000.00
	O & M cost:	1,80,000.00

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

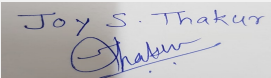
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	400 kVA	65.6 Kg/hr	1	3	0.15	475

40. Details of Fuel to be used

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

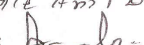
41. Source of Fuel Authorized Vendor

42. Mode of Transportation of fuel to site By road


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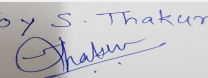
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Name: K. Anil Kale
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Shri. Anil Kale (Chairman SEAC-III)

43.Green Belt Development	Total RG area :	2301.18 m2
	No of trees to be cut :	0
	Number of trees to be planted :	289
	List of proposed native trees :	All
	Timeline for completion of plantation :	2 year

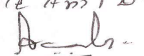
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	05	Medicinal value, Drought tolerant species.
2	Albizia lebek	Shirish	04	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds).
3	Anthocephalus kadamba	Kadamb	04	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
4	Azardirachta indica	Neem	15	Medicinal value, To control soil erosion. To improve soil erosion
5	Bauhinia blackiana	Kanchanraj	04	Every part of the plant is medicinal, Drought tolerant species.
6	Bauhinia purpurea	Gulabi kanchan	04	Every part of the plant is medicinal, Drought tolerant species.
7	Butea monosperma	Palas	04	Medicinal value, Bird attracting species , To control soil erosion.
8	Cassia fistula	Bahawa	04	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
9	Choclospermum religiosum	Sonsawar	04	Medicinal value, Native species
10	Cordia dichotoma	Bhokar	04	Medicinal value, Edible fruits,
11	Dalbergia sissoo	Shisav	20	Medicinal value, Bird attracting species ,
12	Ficus arnottiana	Payar	04	Drought tolerant species, Bird attracting species. To control soil erosion.
13	Ficus glomerata	Umber	04	Medicinal value, Edible fruits, Bird attracting species
14	Ficus retusa	Nandruk	04	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
15	Mangifera indica	Mango	04	Edible fruit, Bird attracting species
16	Michelia champaca	Sonchaffa	04	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.

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Name: K. Anil Kale

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17	Roystonea regia	Bottle palm	24	Ornamental plant, Medicinal value, Birds & bats eat fruits.
18	Bahunia racemosa	Apta	16	Every part of the plant is medicinal, Drought tolerant species.
19	Caryota urens	Fishtail palm	16	Grown in any type of soil. Very Hardy.
20	Erythrina indica	Pangara	12	Fragrant flowers, Drought tolerant species, Birds attracting
21	Gmelina arborea	Shivan	16	Medicinal value, Drought tolerant species, Bird attracting species.
22	Mimosups elengii	Bakul	14	Fragrant flowers, Medicinal value, To control soil erosion.
23	Murraya exotica	Kamini	16	Native species, Fragrant flowers,
24	Aegle marmelos	Bel	12	Medicinal value, Drought tolerant species,
25	Nyctanthus arbortristis	Parijatak	18	Fragrant flowers, Medicinal value,
26	Putrnjiva roxburghii	Putrnjiva	11	Medicinal value, Drought tolerant species
27	Melia Azaradichta	Bakam neem	20	Medicinal value, Native species Bird attracting species.
28	Schleichera oleosa	Kusum	22	Native species, Fragrant flowers.

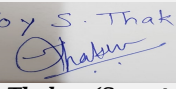
45.Total quantity of plants on ground

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

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

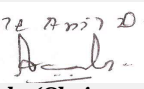
47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	63.5 KVA
	During Operation phase (Connected load):	2861.61 KW
	During Operation phase (Demand load):	1560.84 KW
	Transformer:	2 no. 1000 KVA
	DG set as Power back-up during operation phase:	1 no. 400 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

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48. Energy saving by non-conventional method:

solar panel and solar water heater

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	External Lighting (LED Lighting instead of Normal)	10.95
2	Solar Panels	4.11
3	VFD's on Lifts	10.00
4	Plumbing Plantroom pumps	10.00
5	STP	10.00
6	Building(Lift lobby, Staircase)	48.27
7	Water Heater (Considering 1 geyser in each flat on solar)	16.79

50. Details of pollution control Systems

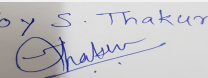
Source	Existing pollution control system	Proposed to be installed
Sewage	-	STP
solid waste	-	OWC
DG set	-	DG set

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 40.97 Lacs
	O & M cost:	Rs. 6.56 Lacs/annum

51. Environmental Management plan Budgetary Allocation

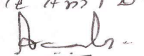
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	1.44
2	Air	Air & Noise Monitoring	0.48
3	Water	Tanker Water For Construction	6.00
4	Water	Water Monitoring	0.60
5	Land	Site Sanitation- Mobile toilets	4.8
6	Biological	Gardening Set Up and top soil preservation	3.3
7	Socio- Economic Environment	Disinfection- Pest Control	0.18
8	Socio- Economic Environment	First Aid Facilities	0.6
9	Socio- Economic Environment	Health Check Up	0.2
10	Socio- Economic Environment	Creches For Children	3
11	Socio- Economic Environment	Personal Protective Equipment	1.2

Joy S. Thakur

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Name: K. Anil Kale
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b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Sewage Treatment Plant	70.00	5.00
2	Rain Water Harvesting	Rain Water Harvesting	10.0	1.0
3	Solid Waste Management	Solid Waste Management	20.00	1.80
4	Green Belt Development	Green Belt Development	41.50	6.64
5	Energy saving	Energy saving	40.97	6.56
6	Environmental Monitoring	Environmental Monitoring	-	10.51
7	Swimming Pool	-	55.00	2.50

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

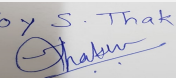
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

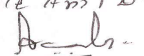
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
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Joy S.Thakur (Secretary
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Name: K ०१६ Anil Kale
Signature: 
**Shri. Anil Kale (Chairman
SEAC-III)**

Parking details:	Number and area of basement:	1 (3862.93 SQM.)
	Number and area of podia:	1 (2839.23 SQM.)
	Total Parking area:	17880.00
	Area per car:	30.00 SQM.
	Area per car:	30.00 SQM.
	Number of 2-Wheelers as approved by competent authority:	690
	Number of 4-Wheelers as approved by competent authority:	498
	Public Transport:	Local Buses
	Width of all Internal roads (m):	9.00m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	RCC No. 404968/2010 Suhas Bhosale V/s IDEB & Ors Spl. C.S. No. 263/2012 IDEB v/s Jasprit Singh Rajpal Spl. C.S. No. 224/2012 Global Systems Investments v/s IDEB Spl. C.S. No. 201038/2013 Samir Khare v/s IDEB & Ors Civil M.A. 699/2016 Kirti Zaveri v/s IDEB & Ors Spl. Dkst 85/2016 Naresh Chhabriya v/s IDEB & Ors Spl. Dkst 86/2016 Renuka Poorswani v/s IDEB & Ors RCC No. 317/2016 State of Maha v/s Harkirat Singh Bedi Spl. Dkst 77/2017 Savita Kulhare v/s IDEB
	Other Relevant Informations	The proposed site admeasuring 27,255.37 sq.mt. which is owned by M/s IDEB Grand Reality Pvt. Ltd.for residential complex on the said conveyed land. Work has been initiated as per EC received No. 21-1122/2007-IA-III dated 19th November 2009 . Now applying for amendment.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 90 of 164	Name: K 072 Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Villagio Toscana (EC amendment) at S.No. 26/4 Kondhwa Khurd, by M/s IDEB Grand Reality Pvt. Ltd.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 27255.37 Sq. Mtrs, BUA of 72453.53 Sq. Mtrs and FSI area of 42123.99 Sq. Mtrs. PP proposes to construct 7 no. of residential & commercial building +1 club house.

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

DECISION OF SEAC

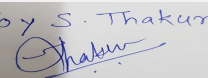
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit undertaking for sustainable water supply.
- 2) PP to submit CFO NOC.
- 3) PP to submit debris management plan with where to excess debris dump with NOC from respective owner/authority.
- 4) PP to submit revised RG Plan.
- 5) PP to submit STP design details.
- 6) PP to submit revised fire tender movement plan proposing proper access (too & fro) for fire tender.
- 7) PP to submit cross section at four places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 8) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement with executor.
- 9) PP to submit SWD details up to final disposal point.
- 10) PP to submit revised swatch NOC.
- 11) PP to submit hydrogeological report along with RWH details and recharge pit.
- 12) PP to submit basement approved plan.
- 13) PP to submit light and ventilation plan for basement.
- 14) PP to submit energy saving calculation along with terrace area calculations.
- 15) PP to submit parking statement along with extra parking proposed beyond DCR requirement & its statement. (Building wise details)

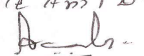
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Residential & Commercial Development

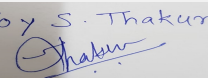
Is a Violation Case: No

1.Name of Project	"COLLINA" by M/s Bharucha & Sons Realtors and Developers Pvt. Ltd .
2.Type of institution	Private
3.Name of Project Proponent	Mr. Z. M. Bharucha
4.Name of Consultant	S G M Corporate Consultants Pvt. Ltd.
5.Type of project	Residential & Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	-
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC letter No. SEAC-2011/CR-153/TC-II
8.Location of the project	Gat No.: 595 & 597/2, Village: Kanhe, Tal.: Maval, Dist.: Pune, Maharashtra
9.Taluka	Maval
10.Village	Kanhe
Correspondence Name:	"COLLINA" by M/s Bharucha & Sons Realtors and Developers Pvt. Ltd .
Room Number:	NA
Floor:	NA
Building Name:	-
Road/Street Name:	Gat No.: 595 & 597/2
Locality:	Village: Kanhe
City:	Pune
11.Area of the project	PMRDA ,Collector, Pune (Town Planning)
12.IOD/IOA/Concession/Plan Approval Number	Yes IOD/IOA/Concession/Plan Approval Number: BMA-338/15-16 -- Dtd. 25/07/2017 Approved Built-up Area: 50670.49
13.Note on the initiated work (If applicable)	Total Constructed work - 13630.00 Sq. m. (FSI - 51567.7 Sq. m + Non FSI - 31562.22 Sq. m). Total Plot area: 56100.00 Sq. m, Total BUA area: 83129.92 Sq.m, Existing EC approval for BUA of 18,815.64 sq.m. Latest Sanction dated 25.07.2017. As per latest sanction Permissible built-up area is 50670.49 sq. m & Proposed Built up area: 30377.55 Sq.m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	56100.00
16.Deductions	9182.88 {8279.49 Sq.m(Amenity) +903.39(Roads)}
17.Net Plot area	42225.41
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 51567.7 b) Non FSI area (sq. m.): 31562.22 c) Total BUA area (sq. m.): 83129.92
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 51567.7 Approved Non FSI area (sq. m.): 31562.22 Date of Approval: 25-07-2017
19.Total ground coverage (m2)	7745.06
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.34% of Net plot area
21.Estimated cost of the project	625000000

22.Number of buildings & its configuration

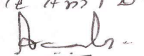
 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 92 of 164	Name: K ०१६ Anil D.  Shri. Anil Kale (Chairman SEAC-III)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Residential	P + 11	35.142	
2	Row Houses	14	9.150	
3	Commercial Building (Commercial complex & Multipurpose Hall)	G+1	9.6	
4	Club house	G+1	8.40	
23.Number of tenants and shops	No. of Tenements: - 742 Nos. Shops:- 8			
24.Number of expected residents / users	Residential user: 3710 Nos. Commercial user: 425 Nos.			
25.Tenant density per hectare	176 tenant/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))	Access road- 15.00 m & 36.00 m			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m			
29.Existing structure (s) if any	Total Constructed work - 13630.00 Sq. m.			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	This is Residential & Commercial development project	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

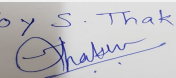
Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 1, 2018

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Name: K. Anil Kale

Signature: Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	Kanhe Gram panchayat							
	Fresh water (CMD):	341 KLD							
	Recycled water - Flushing (CMD):	180 KLD							
	Recycled water - Gardening (CMD):	56 KLD							
	Swimming pool make up (Cum):	5 KLD							
	Total Water Requirement (CMD) :	577 KLD							
	Fire fighting - Underground water tank(CMD):	300 KLD							
	Fire fighting - Overhead water tank(CMD):	300 KLD							
	Excess treated water	250 KLD							
Wet season:	Source of water	Kanhe Gram panchayat							
	Fresh water (CMD):	341 KLD							
	Recycled water - Flushing (CMD):	180 KLD							
	Recycled water - Gardening (CMD):	0 KLD							
	Swimming pool make up (Cum):	5 KLD							
	Total Water Requirement (CMD) :	521 KLD							
	Fire fighting - Underground water tank(CMD):	300 KLD							
	Fire fighting - Overhead water tank(CMD):	300 KLD							
	Excess treated water	306 KLD							
Details of Swimming pool (If any)	Club House- Dry season= 5 KLD & Wet season= 5KLD								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	0	521	521	0	35	35	0	486	486
Domestic	0	521	521	0	35	35	0	486	486

Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

Signature: Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Summer Season - 14 to 23 Mt. below ground level. Rainy season - 7 to 10 Mt. below ground level Winter season - 10.50m to 16.50m below ground level	
	Size and no of RWH tank(s) and Quantity:	NA	
	Location of the RWH tank(s):	NA	
	Quantity of recharge pits:	24 Nos.	
	Size of recharge pits :	1) 14 No.s of 2.0 m x 2.0 m x 2.0 m with desiltation pit of 1.0x1.0x1.5 m and 60m Deep 6" dia. Bore wells. 2) 10 No.s of 2.0 m x 2.0 m x 2.0 m Soak Pits	
	Budgetary allocation (Capital cost) :	Rs. 34.00 Lacs	
	Budgetary allocation (O & M cost) :	Rs. 1.20 Lacs/annum	
Details of UGT tanks if any :	Residential & Commercial: Domestic : 510 KLD Flushing : 270 KLD Fire : 300 KLD Commercial : NA NA		
35.Storm water drainage			
35.Storm water drainage	Natural water drainage pattern:	North to South	
	Quantity of storm water:	38132.38 cum/year	
	Size of SWD:	Internal 250 to 900 mm diameter	
Sewage and Waste water			
Sewage and Waste water	Sewage generation in KLD:	486 KLD	
	STP technology:	MBBR	
	Capacity of STP (CMD):	1 no. - 550 KLD	
	Location & area of the STP:	At south East Corner, STP area -272 sq.m.	
	Budgetary allocation (Capital cost):	Rs. 70 Lacs	
	Budgetary allocation (O & M cost):	Rs. 11.00 Lacs/annum	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	0.5 to 0.75 MT/day	
	Disposal of the construction waste debris:	For Plot filling	
Waste generation in the operation Phase:	Dry waste:	806 Kg/day	
	Wet waste:	1156 Kg/day	
	Hazardous waste:	Spent Oil - 40 kg /Month	
	Biomedical waste (If applicable):	NA	
	STP Sludge (Dry sludge):	44 Kg/day	
	Others if any:	NA	
Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 95 of 164	Shri. Anil Kate (Chairman SEAC-III)

Mode of Disposal of waste:	Dry waste:	To SWACH
	Wet waste:	Organic Waste Converter
	Hazardous waste:	Authorized dealer
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	STP sludge will be process in composting machine and used as manure.
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	Total area provided for the storage & Treatment of the solid Waste: 150 Sq.m. & 49 Sq.m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 23.67 Lacs
	O & M cost:	Rs. 3 Lacs/Annum

37. Effluent Charecterestics

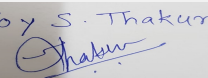
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.5-8	6.5-8	6.5-9
2	TSS	mg/l	200	10	100
3	BOD	mg/l	300	10	100
4	COD	mg/l	450	30	250
5	Oil & Grease	mg/l	10-50	1-5	20
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil/ Spent Oil	5.1	kg/month	Not applicable	40	40	Authorized dealer

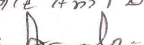
39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing DG set 1	HSD , 15 lit./hr (Half Load)	1	2.5 Mtr	-	-
2	Proposed DG set 1	HSD , 15 lit./hr (Half load)	2	2.5 Mtr	-	-
3	Proposed DG set 2	HSD , 15 lit./hr (Half load)	3	2.5 Mtr	-	-

Joy S. Thakur

Joy S. Thakur (Secretary SEAC-III)

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Name: K. Anil Kale

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	45 lit./hr	45 lit./hr
41.Source of Fuel		Local vendor		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	Total RG area :	9197.55 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	700 no.s
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	4 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	Bixa orelliana	Achiote	32	Small evergreen tree used in medicine.
2	Lagerstroemia thorelli	Queen's Flower	14	Flowering Tree
3	Ficus hispida	Hairy Fig	16	Small but well distributed tropical fig tree.
4	Bauhinia purpuera	Kanchan	18	Medium sized flowering tree
5	Bauhinia blakeana	Orchid tree	62	Tree with large thick leaves & purplish red flowers.
6	Cordia sebestena	Raktabhokar	37	Flowering tree.
7	Cordia dichotoma	Bhokar	34	Small sized flowering tree, used as vegetable fodder
8	Cassia grandis	Pink Shower	47	Tall Pink Flowering tree.
9	Cassia javanica	Pink Shower	35	Pink flowering tree, used as medicinally
10	Cassia fistula	Bahawa	25	Popular ornamental tree & used in herbal medicine.
11	Erythrina varigata	Pangara	92	Fragrant flowers, Drought tolerant species, Birds attracting
12	Ficus racemosa	Umbar	11	It serves as food plant
13	Lagerstroemia parviflora	Tamhan	7	Small flowering tree
14	Lagerstroemia speciosa	Banaba Plant	36	Medium sized growing herbal tree.
15	Millingtonia hortensis	Aakara mogra	36	Evergreen, versatile tree. It has pleasant fragrance.
16	Mesua ferrea	Nagchafa	11	It is used as herbal medicine.
17	Mimospos ellengi	Bakul	20	Fragrant flowers, Medicinal value, To control
18	Ncytanthes arbortristis	Parijatak	56	Fragrant flowers, Medicinal value

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 97 of 164	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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19	Sarca asoca	Seeta ashok	80	It has beautiful foliage & fragrant flowers.
20	Bauhinia tomentosa	Pivlakanchan	31	Small sized yellow flowering tree.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	35 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	5420 KW
	During Operation phase (Demand load):	3252 KW
	Transformer:	8 Nos. 630 KVA
	DG set as Power back-up during operation phase:	For residential & commercial- 3 No. 125KVA (1 out of 3 has already installed)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy saving measures

• Energy saving by non-conventional method:

1. CFL, Solar Water,

• The following Energy Conservation Methods are proposed in the project:

1. Timers and contactors will be used to switch on/ off common area & external landscape and façade lighting

2. T5 fluorescent lamps (CFL) with high frequency ballast will be used for corridors and common area & external Road lights.

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

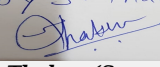
4. Energy efficient CFL/T5/LED lamps which give approximate 30% more light output for the same watts consumed and therefore require less nos. of fixtures and corresponding lower point wiring costs.

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. Solar water heating is provided for 125 litres water per flat.


49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
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Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

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1	Solar water heating for minimum 20% design capacity	Complies
2	Equipment efficiency standards	Complies
3	Exterior lighting to be controlled by photo sensor or time switch	Complies - controlled by time switch
4	Exterior lighting power to be within specified limits	Complies
5	Energy efficient motors	All Motors and in PHE systems will have nominal full load efficiency as per IS12615
6	Check metering	Complies

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water	Sewage Treatment Plant	NA
Solid waste	Organic Waste Converter	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1. Solar Water Heating system- Capital Cost - Rs. 105 Lacs , 2. Solar Street light system - Capital Cost - Rs 48 Lacs
	O & M cost:	1. Solar Water Heating system- O & M Cost - Rs 5.25 Lacs/annum, 2. Solar Street light system - O & M Cost - Rs 1 Lacs/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	Drinking water	-	01
2	Sanitation	-	12.5
3	Health check up	-	01
4	Labour Camp Management	-	03

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	-	70.00	11.00
2	Storm Water Drainage & RWH System	-	34.0	1.20
3	Solid Waste Management	-	23.67	3
4	Solar Energy System	-	153.0	6.25
5	Landscaping	-	12.5	1.25
6	Swimming Pool	-	40.0	3.0
7	Environmental Monitoring	-	-	1.50

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

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 99 of 164	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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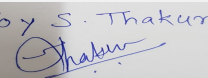
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

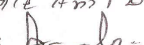
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	Type of parking : Stilt & Open
	Number and area of podia:	NA
	Total Parking area:	8467.30 m ²
	Area per car:	30 m ² & 25m ²
	Area per car:	30 m ² & 25m ²
	Number of 2-Wheelers as approved by competent authority:	860 no.s
	Number of 4-Wheelers as approved by competent authority:	211 no.s
	Public Transport:	Buses, Auto rickshaws,Train
	Width of all Internal roads (m):	12.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No

Joy S. Thakur

 Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 1, 2018

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Name: K. Anil Kale

 Signature: Shri. Anil Kale (Chairman SEAC-III)

	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
<p>Environment Clearance for Residential & Commercial Development at Gat No.: 595 & 597/2, Village: Kanhe, Tal.: Maval, Dist.: Pune, Maharashtra by Mr. Z. M. Bharucha.</p> <p>PP submitted their application for modernization of earlier Environmental clearance for total plot area of 56100.00 Sq. Mtrs, BUA of 83129.92 Sq. Mtrs and FSI area of 51567 Sq. Mtrs. PP proposes to construct 2 no. residential & commercial building +row houses+1 club house.</p> <p>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.</p>		
DECISION OF SEAC		
<p><i>During discussion PP inform that the case was considered in 40th meeting of SEAC -3 and recommended to SEIAA for prior Environmental clearance, hence committee decided to Transfer the proposal online to SEIAA.</i></p>		
<p>Specific Conditions by SEAC:</p>		
FINAL RECOMMENDATION		
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions		

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 101 of 164	Name: K 072 Anil D.  Signature: Shri. Anil Kale (Chairman SEAC-III)
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72 nd Meeting of SEAC-3 (Day-2)

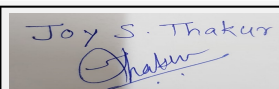
SEAC Meeting number: 72 Meeting Date October 1, 2018

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

Is a Violation Case: No

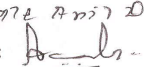
1.Name of Project	Proposed Residential Building on S.No. 62 H NO.1A + 1B Kondhwa Khurd, Tal-Haveli, Pune
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinay Chugera
4.Name of Consultant	Vke Environmental LLP
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification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

22.Number of buildings & its configuration


Joy S.Thakur (Secretary
SEAC-III)

**SEAC Meeting No: 72 Meeting Date: October 1,
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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

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

23.Number of tenants and shops	372
24.Number of expected residents / users	1860
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Building C,D,F,G,H,I,J,L,M
30.Details of the demolition with disposal (If applicable)	Existing Club House and Swimming pool to be demolished - Disposal will be as per Debris Management Plan

31.Production Details

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

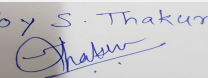
32.Total Water Requirement

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 103 of 164	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	PMC/Treated Water from STP
	Fresh water (CMD):	169
	Recycled water - Flushing (CMD):	86
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	264
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	137
Wet season:	Source of water	PMC/Treated Water from STP
	Fresh water (CMD):	169
	Recycled water - Flushing (CMD):	86
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	255
	Fire fighting - Underground water tank(CMD):	225
	Fire fighting - Overhead water tank(CMD):	150
	Excess treated water	145
Details of Swimming pool (If any)	Not applicable	

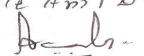
33.Details of Total water consumed

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

Joy S. Thakur

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SEAC Meeting No: 72 Meeting Date: October 1, 2018

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Name: K. Anil D.

 Shri. Anil Kale (Chairman SEAC-III)

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

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

37. Effluent Characteristics

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

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

38. Hazardous Waste Details

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

39. Stacks emission Details

 Joy S. Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 106 of 164	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	400 Kva	Diesel 76 lit/hr	1	4	0.152	533°C

40.Details of Fuel to be used

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

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

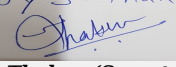
44.Number and list of trees species to be planted in the ground

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

45.Total quantity of plants on ground


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

Serial Number	Name	C/C Distance	Area m2
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Joy S. Thakur

Joy S.Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 1, 2018

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Name: K. Anil Kale

Shri. Anil Kale (Chairman SEAC-III)

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

47. Energy

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

48. Energy saving by non-conventional method:

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

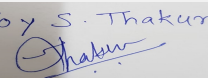
49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

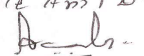
Source	Existing pollution control system	Proposed to be installed
Effluent	Not applicable	STP
Biodegradable waste	Not applicable	OWC
DG Set	Not applicable	Installing DG Set which complies to CPCB norms

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

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Name: K. Anil Kale
Signature: 
 Shri. Anil Kale (Chairman SEAC-III)

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

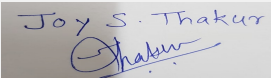
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Including external drainage connection, 1 no STP cost considered	62.00	13.42
2	Rain Water Harvesting	Based on GeoHydrology Report, 12 no pit will be provided	7.2	0.7
3	Storm Water Networking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

51.Storage of chemicals (inflammable/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

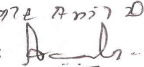
52.Any Other Information

No Information Available


Joy S.Thakur (Secretary SEAC-III)

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Name: K. Anil Kale
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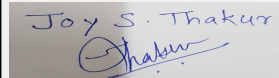
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	As per Parking & Traffic Management Plan
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	1- 3257.393 Sq.m.
	Total Parking area:	(Covered -Ground parking-7,806.00 sq.m. + Podium parking-2,964.00 sq.m.) + (Uncovered - 452.20 sq.m.) = 11,222.20 Sq.m.
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	555
	Number of 4-Wheelers as approved by competent authority:	255
	Public Transport:	Bus Stop is Available
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

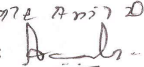
Summarised in brief information of Project as below.

Brief information of the project by SEAC


Joy S. Thakur (Secretary SEAC-III)

SEAC Meeting No: 72 Meeting Date: October 1, 2018

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Name: K. Anil Kale
Signature:

Shri. Anil Kale (Chairman SEAC-III)

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

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

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

DECISION OF SEAC

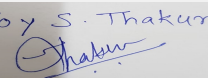
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

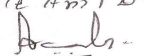
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: Kote Anil D.
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

72 nd Meeting of SEAC-3 (Day-2)

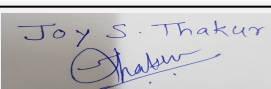
SEAC Meeting number: 72 Meeting Date October 1, 2018

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

Is a Violation Case: No

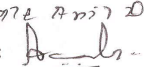
1.Name of Project	Proposed Residential & commercial Development at S.No 47(P),Plot No.(1+2)+(A+B), Baner, Tal. - Haveli, Pune By M/s Rahul construction Co.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Siddharth Kunkulol
4.Name of Consultant	VK:e environmental LLP
5.Type of project	Proposed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

22.Number of buildings & its configuration

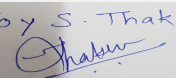

Joy S.Thakur (Secretary SEAC-III)

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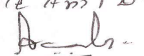
Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman SEAC-III)

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Building A	2P+17	54.60	
2	Building B	2P+17	54.60	
3	Building C	2P+17	54.60	
4	Building D	2P+17	54.60	
5	Building E	3P+Amenity floor+20	71.16	
6	Building F	G+1	7.90	
23.Number of tenants and shops	Residential: 5 residential buildings with 488 flats Commercial :1 Commercial Building with 2 shops			
24.Number of expected residents / users	Residential Tenants: 2440 Commercial Tenants: 36			
25.Tenant density per hectare	209 Tenements/hectare 1047 Tenants/hectare			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Width of the road is 18 m wide. Nearest fire station: Aundh fire station Nearest Fire Station Distance : Approximately 4.60 Km			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m			
29.Existing structure (s) if any	Construction work is in progress as per EC received.			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

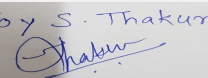
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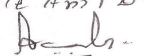
Name: K. Anil Kale

Signature: Shri. Anil Kale (Chairman SEAC-III)

Dry season:	Source of water	PMC							
	Fresh water (CMD):	221							
	Recycled water - Flushing (CMD):	111 m3/day							
	Recycled water - Gardening (CMD):	17 m3/day							
	Swimming pool make up (Cum):	1 m3/day							
	Total Water Requirement (CMD) :	350 m3/day							
	Fire fighting - Underground water tank(CMD):	2,00,000 lit							
	Fire fighting - Overhead water tank(CMD):	20,000 lit/building							
	Excess treated water	139 m3/day							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	221							
	Recycled water - Flushing (CMD):	111 m3/day							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	0							
	Total Water Requirement (CMD) :	332 m3/day							
	Fire fighting - Underground water tank(CMD):	2,00,000 lit							
	Fire fighting - Overhead water tank(CMD):	20,000 lit/building							
	Excess treated water	156 m3/day							
Details of Swimming pool (If any)	0.5 kld water will be required for makeup. a) PH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

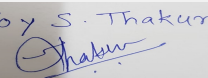
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon : 18.33 m bgl Post monsoon : 8.67 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4
	Size of recharge pits :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

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

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

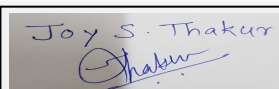
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

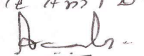
40. Details of Fuel to be used

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		

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43.Green Belt Development	Total RG area :	2279.56 m2
	No of trees to be cut :	00
	Number of trees to be planted :	292
	List of proposed native trees :	Please refer below list
	Timeline for completion of plantation :	Till operation phase

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

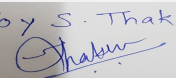
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul Tree	05	A large size tree with dense foliage provides shade along roads; wood is water resistant and attracts a variety of birds.
2	Millingtonia hortensis	Indian cork tree	35	A columnar, evergreen tree, grows well in both dry and moist regions.
3	Lagerstromia flos-regineae	Tamhan	35	Large tree good for stopping soil erosion along canal banks.
4	Pongamia pinnata	Karanj	35	Large tree good for stopping soil erosion along canal banks
5	Azadirachta indica	Neem	35	A medium to large size hardy tree which stand in drought conditions. Air Purifying quality Attain a much larger size in dry regions.
6	Cassia fistula	Bahava	30	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping Fig	20	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Plumeria alba	Champa	22	Ornamental flowering tree
9	Michelia champaca	Sonchapha	20	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant.
10	Polyathia longifolia	Ashoka	25	Large evergreen tree Effective in decreasing noise pollution.
11	Mangifera indica	Mango	05	Large evergreen and fruit bearing tree
12	Albizia lebeck	Shirish	25	Shady, large tree, ball shaped flowers

45.Total quantity of plants on ground

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

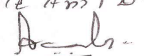
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	22 kW
	DG set as Power back-up during construction phase	1 DG set of 40 kVA
	During Operation phase (Connected load):	3672 KW
	During Operation phase (Demand load):	1766 kva
	Transformer:	630KVA X 3 NO
	DG set as Power back-up during operation phase:	400 KVA X 1NO
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 81,90,300/-
	O & M cost:	Rs. 7,06,515/-

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control - dust suppression measures, barricading and top soil preservation	17.74/-
2	Land	Labour Camp toilets & sanitation	4.80/-
3	Health & Safety	Labour Safety Equipments and training	4.00/-

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

b) Operation Phase (with Break-up):

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

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

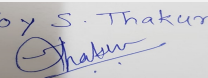
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

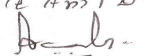
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Proposed site is located at Baner. The road network within the site has been designed to cater to the traffic loads of the project. Internal driveways are 6 m wide. Existing access road is 18 m wide.
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	9951.00 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	984
	Number of 4-Wheelers as approved by competent authority:	571
	Public Transport:	NA
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 120 of 164	Name: K 072 Anil D. Signature:  Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for Proposed Residential & commercial Development at S.No 47(P), Plot No.(1+2)+(A+B), Baner, Tal. - Haveli, Pune by M/s Rahul construction co.

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

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

DECISION OF SEAC

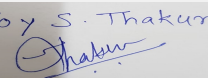
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

1) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dated 01.05.2018 with details of fund utilization & agreement with executor.

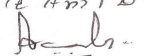
FINAL RECOMMENDATION

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

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72 nd Meeting of SEAC-3 (Day-2)

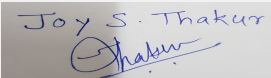
SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for New Residential Project

Is a Violation Case: No

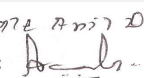
1.Name of Project	Proposed Residential Development
2.Type of institution	Private
3.Name of Project Proponent	M/s Yashada Developers
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory) NABET certificate no: NABET/EIA/1720/RA0094
5.Type of project	Residential Project with convenient shopping
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No:113(P),114(P) & 116
9.Taluka	Haveli
10.Village	Dudulgaon
Correspondence Name:	Mr. Vasant Kate
Room Number:	J-4,
Floor:	3rd floor
Building Name:	Yashada House
Road/Street Name:	Near Govid Yashada Chowk
Locality:	Pimple Saudagar
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 87708.70
13.Note on the initiated work (If applicable)	No work has been initiated on site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	24,400 Sq.m.
16.Deductions	4455.26 Sq.m.
17.Net Plot area	19,944.74 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 51257.53 Sq.m
	b) Non FSI area (sq. m.): 36451.17 Sq.m
	c) Total BUA area (sq. m.): 87708.70
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 30-06-2018
19.Total ground coverage (m2)	4681.69 Sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.47 %
21.Estimated cost of the project	1717640000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	G (Shop/Parking) + 11	35.90
2	Building B,C,D,E,F,G,H,I	P+P+12	41.80
3	commercial shops (6 Shops)	G + 0	3
4	Club House	G + 1	6.70
5	Club House	G + 1	6.70

23.Number of tenants and shops	990 Nos. + 6 Shops
24.Number of expected residents / users	4950 Residential and 50 commercial users
25.Tenant density per hectare	555/hectare (except MHADA)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18m Wide DP road abutting the site, accessible from 30m wide Moshi-Alandi Road nearest fire station Bhosari fire station at ~10 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	None
30.Details of the demolition with disposal (If applicable)	Not Applicable

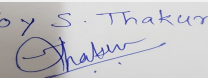
31.Production Details

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

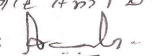
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	459							
	Recycled water - Flushing (CMD):	224							
	Recycled water - Gardening (CMD):	29							
	Swimming pool make up (Cum):	4							
	Total Water Requirement (CMD) :	716							
	Fire fighting - Underground water tank(CMD):	Phase 1-350 &Phase 2-300							
	Fire fighting - Overhead water tank(CMD):	Phase 1-125 & Phase 2-100							
	Excess treated water	331							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	459							
	Recycled water - Flushing (CMD):	224							
	Recycled water - Gardening (CMD):	00							
	Swimming pool make up (Cum):	4							
	Total Water Requirement (CMD) :	687							
	Fire fighting - Underground water tank(CMD):	Phase 1-350 & Phase 2-300							
	Fire fighting - Overhead water tank(CMD):	Phase 1-125 & Phase 2-100							
	Excess treated water	360							
Details of Swimming pool (If any)	Pool 1(2 no.) : 7.755 x 5.855 x 1.20 volume: 54.48 m3 Pool 2 (Kids pool- 2 No.): 2.50 x 5.855 x 0.60 volume: 8.78 m3								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	0	459	459	0	46	46	0	413	413
Domestic	0	224	224	00	22	22	0	202	202
Gardening	0	29	29	0	0	0	0	0	0

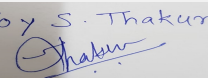
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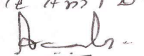
Name: K. Anil Kale

Signature: Shri. Anil Kale (Chairman SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Around 20 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:	phase 1 -6 nos of Recharge pits, phase 2 -2 nos of Recharge pits, Total 8 nos. of recharge pits.
	Size of recharge pits :	1.5 X 1.5 X 1.5 m
	Budgetary allocation (Capital cost) :	9.21 Lakh
	Budgetary allocation (O & M cost) :	0.8 Lakhs/annum
	Details of UGT tanks if any :	Phase 1: Domestic - 432 CMD and Firefighting - 350 CMD Phase 2: Domestic - 258 CMD and Firefighting - 300 CMD Flushing Near STP : Phase 1 - 170 CMD and Phase 2 - 83 CMD
35.Storm water drainage	Natural water drainage pattern:	NW to SE
	Quantity of storm water:	0.45 Cu.M./sec
	Size of SWD:	700mm
Sewage and Waste water	Sewage generation in KLD:	615 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	400 KLD & 240 KLD
	Location & area of the STP:	Near Open Space
	Budgetary allocation (Capital cost):	110.46 + 77.18 =187.64 Lakh
	Budgetary allocation (O & M cost):	Rs.14.82 + 8.37 = 23.19 Lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	solid waste -37 kg/day
	Disposal of the construction waste debris:	9153 m3 Top Soil will be preserved for Landscape 13729 m3 Used in back-filling and leveling. . Balance will be handed over to authorized agency/site
Waste generation in the operation Phase:	Dry waste:	672 kg/day
	Wet waste:	1568 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	128 kg/day
	Others if any:	Not applicable

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Mode of Disposal of waste:	Dry waste:	will be Handed over to Authorised vendor
	Wet waste:	Treatment in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	Not applicable
Area requirement:	Location(s):	Near STP
	Area for the storage of waste & other material:	144.74 sq. meters
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	26.33 +19.36 =45.69 lakhs
	O & M cost:	4.09 + 2.76 = 6.85 lakhs/ annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

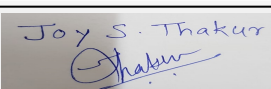
39. Stacks emission Details

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 of 125 KVA	20.2Ltr/Hr. @75% loading	1	4.22 m Above ground level	0.0125Mtr	450 Degree

40. Details of Fuel to be used

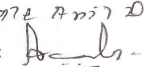
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	Diesel	Diesel

41. Source of Fuel Authorized Fuel Distribution centre


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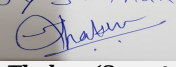
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Name: K. Anil Kale
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42.Mode of Transportation of fuel to site		By road
43.Green Belt Development	Total RG area :	2216.10 sq.m
	No of trees to be cut :	03
	Number of trees to be planted :	285
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	3.5 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Amaltas	19	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads
2	Millingtonia hortensis	Akash neem	04	Medium sized evergreen tree planted along the road, attract birds due to its fragrant flowers.
3	Mimusops elengi	Bakul	03	Large sized evergreen tree. The flowers are a key source for some of the nesting space for birds.
4	Neolamarkia kadamb	Kadamba	09	Large sized deciduous tree. It attracts butterflies. The fragrant orange flowers attract pollinators.
5	Albizia lebbeck	Siris	10	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage.
6	Bauhinia variegata	Kachnar	09	Small sized deciduous tree. It is suitable for roadside planting and also used for group planting or as specimen tree in large lawns.
7	Elaeocarpus sphaericus	Rudraksh	10	large evergreen broad-leaved tree. Seeds are of religious value equivalent to semi-precious stones-used for organic jewellery/necklaces
8	Putranjiva roxburghii	Putranjiva	03	Medium sized evergreen tree. A good avenue tree for medium-sized road. Also suitable for growing in gardens and parks in rows for their globular, shining crown
9	Pongamia pinnata	Karanj	08	Tree is well suited to intense heat and sunlight and its network of lateral route makes it draught tolerant
10	Syzigium jambolana	Jambhul	07	It is an evergreen tree growing to 15-25m tall tree. dense foliage & edible violet fruits invite lots of birds. Not preferred along roads or in parking lots, due falling fruits & bird droppings

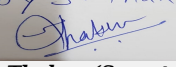
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11	Aegle marmelos	Bel	05	It is an evergreen tree growing with graceful appearance. Fruits are edible used in various medicinal purpose. leaves are of religious significance
12	Azadirachta indica	Neem	07	Neem is a fast-growing tree that can reach a height of 15-20 metres. It is deciduous tree and the branches are wide and spreading. Good for air purification. Leaves have medicinal use.
13	Michelia champaca	Sonchafa	02	Popular for its fragrant yellow flowers, large evergreen tree is handsome in appearance grows uprights & suitable for planting anywhere. All parts of plants have medicinal value & used in Ayurveda. Also religious significance. Flowering from end of summers till monsoons
14	Swietenia macrophylla	Mahogany	06	Swietenia mahagoni is a medium-sized semi-evergreen tree growing. Very rare due to over-harvesting. It is regarded as the world's finest timber wood. It is grown as an ornamental tree in various parts of India.
15	Bahuniya Purpuriya	Purple orchid tree	13	Pest tolerant, Aggressive surface roots possible, Specimen, Blooms are very showy. The bark is a source of tannins, it is also used for dyeing.
16	Mimusops elengi	Bakul	36	Medium sized slow-growing evergreen tree with dense foliage. The flowers are a key source for some of the nesting space for birds.
17	Thespesia populnea	Bhendi	03	These trees are often used in traditional medicine, where the bark, root, leaves, flowers and fruits are all used to treat a range of ailments.
18	Prunus avium	Cheri	10	It is often cultivated as a flowering tree. Because of the size of the tree, it is often used in parkland, and less often as a street or garden tree.
19	Pongamia pinnata	Karanja	02	The oil from this tree is not edible but can produce bio-gas Karanja is an herbal medicine used in Ayurveda which predominantly is used in treating skin diseases
20	Bombax Ceiba	Katesavar	06	A straight tall trunk and its leaves are deciduous in winter Although its stout trunk suggests that it is useful for timber, its wood is too soft to be very useful.

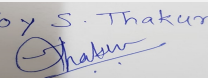
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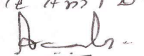
Name: K. Anil Kale

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21	Cassia fistula	Golden Shower Tree	03	It is widely grown as an ornamental plant in tropical and subtropical areas. Flowering is profuse, with trees being covered with yellow flowers, many times with almost no leaf being seen
22	Keshiya Samiya	Yellow Cassia	18	It is a popular ornamental plant and is also used in herbal medicine. Growth for this tree is best in full sun on well-drained soil; it is relatively drought-tolerant and slightly salt-tolerant
23	-	Kristal Pam	06	-
24	Mangifera indica	Mango	1	different parts of the mango tree, both as food and medicine. Extracts of the bark, leaves, stems, and unripe fruits have demonstrated antibiotic properties in vitro, and are used in traditional medicine
25	Millingtonia hortensis	Indian Cork Tree	19	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree. The wood is also used as timber and the bark is used as an inferior substitute for cork.
26	Swietenia macrophylla	Mahogany	11	very large tree, used as wind breakers. used as a shade tree, has been used in reforestation projects.
27	Azadirachta indica	Neem	11	Neem leaves are dried in India and placed in cupboards to prevent insects eating the clothes, and also in tins where rice is stored. Neem leaves are dried and burnt in the tropical regions to keep away mosquitoes.
28	Moringa oleifera	Shevga	01	Effective as soap for hand washing when wetted in advance to enable anti-septic and detergent properties from phytochemicals in the leaves.
29	Michelia champaca	Sonchafa	09	Popular for its fragrant yellow flowers, large evergreen tree is handsome in appearance grows uprights & suitable for planting anywhere. All parts of plants have medicinal value & used in Ayurveda. Also religious significance. Flowering from end of summers till monsoons.
30	Tabebuia Rojiya	Tabebuia	14	Tabebuia consists almost entirely of trees, but a few are often large shrubs. A few species produce timber, but the genus is mostly known for those that are cultivated as flowering trees.
31	-	Valke	11	-

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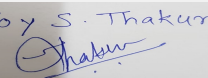
Name: K. Anil Kale

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32	Cassia fistula	Amaltas	03	Medium sized deciduous tree. A beautiful tree for small gardens, parks and along medium and small roads excellent yellow inflorescence
33	Albizia lebbeck	Siris	03	Large sized deciduous tree. The tree has a graceful appearance and beautiful foliage.
34	Pongamia pinnata	Karanj	03	Tree is well suited to intense heat and sunlight and its network of lateral route makes it draught tolerant
35	Proposed Trees: 102 Nos., Trees already planted on site: 174 nos., Trees For Compensatory Plantation: 09 nos.	Total Trees at site	285	

45.Total quantity of plants on ground

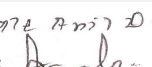
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Spider lily	@ 0.45m c/c	91.93 Sq. Mts.
2	Lobster-claws	@ 0.45m c/c	91.93 Sq. Mts.
3	Canna	@ 0.45m c/c	91.93 Sq. Mts.
4	Giant Water Lily	@ 0.45m c/c	91.93 Sq. Mts.
5	Oleander	@ 0.45m c/c	91.93 Sq. Mts.
6	Plumbago	@ 0.45m c/c	91.93 Sq. Mts.
7	Slender goldshower	@ 0.45m c/c	91.93 Sq. Mts.
8	Hibiscus	@ 0.45m c/c	91.93 Sq. Mts.
9	Acalypha	@ 0.45m c/c	91.93 Sq. Mts.
10	Blue porterweed	@ 0.45m c/c	91.93 Sq. Mts.
11	Cape honeysuckle	@ 0.45m c/c	91.93 Sq. Mts.
12	Lemon grass	@ 0.45m c/c	91.93 Sq. Mts.
13	Fountain grass	@ 0.45m c/c	91.93 Sq. Mts.
14	Gardenia	@ 0.45m c/c	91.93 Sq. Mts.
15	Yellow bells	@ 0.90m c/c	91.93 Sq. Mts.
16	Yellow bauhinia	@ 0.90m c/c	91.93 Sq. Mts.
17	Dwarf white bauhinia	@ 0.90m c/c	91.93 Sq. Mts.
18	Red Powderpuff	@ 0.90m c/c	91.93 Sq. Mts.
19	Yellow hibiscus	@ 0.90m c/c	91.93 Sq. Mts.
20	White hibiscus	@ 0.90m c/c	91.93 Sq. Mts.
21	Red hibiscus	@ 0.90m c/c	91.93 Sq. Mts.
22	Yellow oleander	@ 0.90m c/c	91.93 Sq. Mts.
23	Adusa	@ 0.90m c/c	91.93 Sq. Mts.
24	Dombeya	@ 0.90m c/c	91.93 Sq. Mts.
25	Physic nut	@ 0.90m c/c	91.93 Sq. Mts.
26	Peacock flower	@ 0.90m c/c	91.93 Sq. Mts.
27	Crepeflower	@ 0.90m c/c	91.93 Sq. Mts.

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28	Ashanti blood	@ 0.90m c/c	91.93 Sq. Mts.
29	Crape jasmine	@ 0.90m c/c	91.93 Sq. Mts.

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	75 kW
	DG set as Power back-up during construction phase	1 No of 125 KVA
	During Operation phase (Connected load):	3577 KW
	During Operation phase (Demand load):	1965 KW
	Transformer:	3 Nos. of 630 KVA
	DG set as Power back-up during operation phase:	2 Nos. of 125 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

LED Light are considered.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV	27000 KWH/Annum - 0.36
2	Auto Timer Logic Controller	104770 KWH/Annum - 1.39
3	Electronic VVF drive for Lifts	34309 KWH/Annum - 0.46
4	Solar Water Heater	1722600 KWH/Annum - 22.86
5	Total	1888678 KWH/Annum - 25.07 %

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	0	STP with MBBR technology
OWC	0	Samruddhi composting machine
DG set	0	Stack as per CPCB guidelines

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 190.19 Lakhs
	O & M cost:	Rs. 5.37 Lakhs/annum

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, air and noise monitoring	0.72+0.48 = 1.2 Lakh
2	Water Environment	Tanker water for construction & water monitoring	3.24+0.6 = 3.84 Lakh
3	Land Environment	Site Sanitation	5.4 Lakh
4	Biological Environment	Gardening Set Up and top soil preservation	1.98 Lakh
5	Socio-Economic Environment	Safety, First Aid, Health Hygiene Facilities, Disinfection at site (Pest control), Health Check Up, Creches for children, Personal Protective Equipment.	7.95 Lakh
6	Total	-	20.37 Lakh

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	MoEF & CC approved laboratory	10.72
2	Water	STP	187.64	23.19
3	Energy	Solar PV Cells / Streetlight/Wire rope LED light	190.19	5.37
4	Land Environment	Gardening	466.00	0.65
5	Solid waste	Solid waste management	45.69	6.85
6	Total	-	889.52 Lakh	46.78 Lakh/yr

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

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	Nos. of the junction to the main road & design of confluence:	1 No. till main Road.
Parking details:	Number and area of basement:	Area of the basement: NA No. of basements:00
	Number and area of podia:	Area of the Podium: =13323.79 Sq.m. No. of Podium: 1 No.
	Total Parking area:	24172.85 sq.m.
	Area per car:	For stilt Parking: 30 m2
	Area per car:	For stilt Parking: 30 m2
	Number of 2-Wheelers as approved by competent authority:	2004 Nos
	Number of 4-Wheelers as approved by competent authority:	502 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 15 km
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 72 Meeting Date: October 1, 2018	Page 133 of 164	Name: K. Anil Kale  Signature: Shri. Anil Kale (Chairman SEAC-III)
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Environment Clearance for New Residential Project at Gat No:113(P),114(P) & 116, Dudulgaon, Tal. Haveli by M/s Yashada Developers.

PP submitted their application for prior Environmental clearance for total plot area of 24,400 Sq. Mtrs, BUA of 87708.70 Sq. Mtrs and FSI area of 51257.53 Sq. Mtrs. PP proposes to construct 10 no. residential & commercial building +2 club houses.

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

DECISION OF SEAC

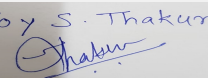
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) Committee noted that PP has applied to PCMC for obtaining permission to lay down storm water drain across 12.5 m wide DP road, however the same is yet to be received. PP has undertaken that they will commission the work after permission is received.
- 2) PP to upload revised STP drawings.

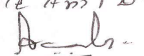
FINAL RECOMMENDATION

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

Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale

**Signature: Shri. Anil Kale (Chairman
SEAC-III)**

72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Submission of Application for Environmental Clearance for "66 Avenue" by R R Lunkad Landmarks LLP at Gat No 65/66, At Pimple Nilakh, Haveli Pune-411027

Is a Violation Case: No

1.Name of Project	66 Avenue
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajendra Ramanlal Lunkad
4.Name of Consultant	Vke Environmental LLP
5.Type of project	Others-(Residential + Commercial)
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No 65/66, At Pimple Nilakh, Haveli Pune
9.Taluka	Haveli
10.Village	Pimple Nilakh
Correspondence Name:	Rajendra Ramanlal Lunkad
Room Number:	RKL Business centre
Floor:	3rd floor
Building Name:	RKL Business Centre
Road/Street Name:	Kokane chowk
Locality:	Pimple Saudagar
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Applied IOD/IOA/Concession/Plan Approval Number: Applied Approved Built-up Area: 49949.48
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	15410.82
16.Deductions	4095.13
17.Net Plot area	11315.69
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 25665.26 b) Non FSI area (sq. m.): 24284.22 c) Total BUA area (sq. m.): 49949.48
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Applied Approved Non FSI area (sq. m.): Applied Date of Approval: 28-06-2018
19.Total ground coverage (m2)	3168.48
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.56 % of total plot area
21.Estimated cost of the project	860000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	2P+10	29.60
2	B	BP + G+10	35.60
3	C	BP+ G+10	35.60
4	D	2P+10	35.60
5	E	2P+10	35.60
6	F	2P+10	29.60
7	MHADA	2P+10	35.60
8	Clubhouse	G+1	6.90

23.Number of tenants and shops	Flats- 388 & Shops- 29
24.Number of expected residents / users	2625
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
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

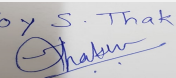
32.Total Water Requirement

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Dry season:	Source of water	GramPanchayat/Recycled water from STP
	Fresh water (CMD):	190
	Recycled water - Flushing (CMD):	106
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	303
	Fire fighting - Underground water tank(CMD):	375
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	154
Wet season:	Source of water	GramPanchayat/Recycled water from STP
	Fresh water (CMD):	190
	Recycled water - Flushing (CMD):	106
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	296
	Fire fighting - Underground water tank(CMD):	375
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	161
Details of Swimming pool (If any)	NA	

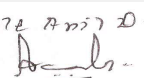
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement	Not applicable	190	190	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Fresh water requirement	Not applicable	190	190	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Gardening	Not applicable	7	7	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Domestic	Not applicable	296	296	Not applicable	20	20	Not applicable	276	276

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Name: K. Anil Kale

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	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:	6
	Size of recharge pits :	1.5 X 1.5 X 1.5 M
	Budgetary allocation (Capital cost) :	7.20 Lakh
	Budgetary allocation (O & M cost) :	0.80 Lakh/year
	Details of UGT tanks if any :	For Residential Wing (A,B,C,D,E,F) Drinking- 66 Domestic- 192 Flushing- 96 Fire- 300 For MHADA Drinking- 8 Domestic- 20 Flushing- 10 Fire- 75
35.Storm water drainage	Natural water drainage pattern:	Through Gravity
	Quantity of storm water:	0.2141 m3/sec
	Size of SWD:	450 x 300 mm wide trench
Sewage and Waste water	Sewage generation in KLD:	276 m3/day (residential- 251 m3/day & MHADA- 25m3/day)
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos. 1. residential- 280 m3/day 2. MHADA- 25 m3/day
	Location & area of the STP:	Locations are as per master layout ; 1. 280 m3/day - 150Sq.m. & 2. 25 m3/day- 28 Sq.m.
	Budgetary allocation (Capital cost):	82.00 Lakh
	Budgetary allocation (O & M cost):	19.6 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	20.00 kg/day
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area & top soil for Landscaping
Waste generation in the operation Phase:	Dry waste:	491 Kg/day
	Wet waste:	651 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1. 280m3/day- 41.6 Kg/day & 2. 25m3/day- 4 Kg/day
	Others if any:	E-Waste-4.53 Kg/day

Mode of Disposal of waste:	Dry waste:	Handed over to authorized recycler for further handling & disposal purpose
	Wet waste:	Through Mechanical Composter (Smart OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage & sewage treatment system be used as manure for Landscaping
	Others if any:	E-waste - handed over to authorized dealers
Area requirement:	Location(s):	Locations are as per master layout
	Area for the storage of waste & other material:	15 sqm
	Area for machinery:	60 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20.75 Lakh
	O & M cost:	4.83 Lakh/year

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6- 8.5	5.5-9.0	6.5 - 7.5
2	Oil & Grease	mg/l	10-20	<10	<10
3	Biological Oxygen Demand	mg/l	200-250	<10	<10
4	Chemical Oxygen Demand	mg/l	350-450	<50	<50
5	Total Suspended Solid	mg/l	150-200	<10	<10
6	Total Nitrogen	mg/l	120	<50	<50
7	Nitrate	mg/l	15-16	<5	<5
8	Dissolve PO4	mg/l	13-15	<5	<5
9	Fecal Coliform	MPN/100 ml	10 ⁶	Nil	Nil

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

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	100 Kva	Diesel 30.35 lit/hr	1	4	0.152m	533°C
2	250 Kva	Diesel 56.2 lit/hr	1	5	0.152m	532°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	100KVA- 30.35litre/hr	100KVA- 30.35litre/hr
2	Diesel	NA	"250KVA - 56.2 litre/hr "	"250KVA - 56.2 litre/hr "

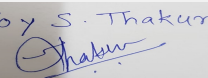
41.Source of Fuel Authorized Dealer

42.Mode of Transportation of fuel to site Barrels in Closed Tampo

43.Green Belt Development	Total RG area :	1131.60 sqm i.e 10% of net plot area (11315.69 sqm)
	No of trees to be cut :	0
	Number of trees to be planted :	150
	List of proposed native trees :	Maharukh, Kadamb, Fish Tail Palm, Pangara, Kunti, Son Chafa,Sita Asoka, Tamhan, Chiku,Palas, Sitafal
	Timeline for completion of plantation :	6 month after Project Completion

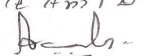
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus excelsa	Maharukh	12	Large tree, good for roadside plantation
2	Anthosaphalus kadamba	Kadamb	10	Shady, large tree, ball shaped flowers.
3	Caryota urens	Fish Tail Palm	16	Tall evergreen tree
4	Erythrina indica	Pangara	13	Medium sized deciduous tree. Bright scarlet flowers.
5	Murrayya paniulate	Kunti	11	Small tree, Fragrant white flowers, Butterfly host plant
6	Michela champaca	Son Chafa	12	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Saraca asoka	Sita Asoka	16	Shady tree with red-yellow flowers.
8	Lagestromia flosre genia	Tamhan	12	State flower tree of Maharashtra,
9	Manilkara zapota	Chiku	9	Evergreen Fruit Bearing Tree
10	Butea monosperma	Palas	15	Medium sized deciduous tree. Beautiful orange flowers,
11	Gmelina arborea	Shivan	13	fast growing deciduous tree with yellow flower, medical use tree
12	Annona squaosa	Sitafal	11	Evergreen Fruit Bearing Tree

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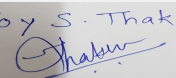
13	Azadirachta indica	Neem Tree	5	fast growing Tree, useful for methane gas production
14	Albizia lebbeck	Shirish tree	5	Medium to large tree with gray-brown bark
15	Shrubs	-	-	-
16	Thevetia nerifolia	Sagargota	-	Hedge plant
17	Stachytarpheta sp	Stachytarpheta	-	Ornamental, flowers attract butterflies
18	Plumbago zeylanica	White plumbago	-	Beautiful white flowers, Butterfly host plant
19	Acorus calamus	wekhand	-	Small plant used in ayurvedic medicines
20	korphad	Korphad	-	A succulent plant with many medicinal & cosmetic uses. It is a very drought resistant plant.
21	Ocimum sanctum	Tulas	-	Medicinal plant and a herbal tea, commonly used in Ayurveda, and has an important role within the Vaishnava tradition of Hinduism
22	Cymbopogon floxosus	Leman grass	-	Lemongrass is widely used as a culinary herb and also as medicinal herb.
23	Clitoria ternatea	Gokarna	-	perennial herbaceous plant with blueish or white flowers, flower is used as a natural food colouring

45.Total quantity of plants on ground

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

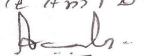
Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Name: K 072 Anil D.

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	85 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	2260.00 KW
	During Operation phase (Demand load):	1406.00 KVA
	Transformer:	Residential (630 KVA X 2) + (315 KVA X 1)
	DG set as Power back-up during operation phase:	Residential (250 KVA X 1) & MHADA (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:

Overall % Saving - 19797600 Kwh/yr i.e. 6.68%
Using Conventional CFL & LED - 443924.20 Kwh/Yr i.e 31.57%
Using Low Loss Transformer -3153.60Kwh/Yr i.e 12.86%
Using Solar Water Heater -1824075.00 Kwh/Yr i.e 75.34%
Using Solar lighting - 1971.0Kwh/ys i.e. 50%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Conventional CFL & LED	31.27%
2	Using Low Loss Transformer	12.86%
3	Using Solar Water heater	75.34%
4	Using Solar Lighting	50.00%
5	Overall % saving	6.68%

50. Details of pollution control Systems

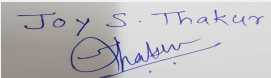
Source	Existing pollution control system	Proposed to be installed
Effluent	NA	STP
Biodegradable waste	NA	OWC
DG Set	NA	Installing DG Set which compiles to CPCB norms.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	68.40 Lakh
	O & M cost:	3.90 Lakh/year

51. Environmental Management plan Budgetary Allocation

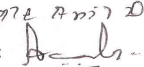
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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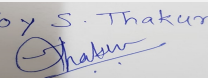
1	Air	Water For Dust Suppression , Air & Noise Monitoring	0.92
2	Water	Tanker Water For Construction	4.40
3	Water	Water monitoring	0.50
4	Land & Safety	Site Sanitation, Mobile toilets, protective equipments	3.37
5	Socio-Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up	1.30
6	DMP	Disaster Management cell	8.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	2 no STP cost considered	82.00	19.6
2	Rain Water Harvesting	Based on GeoHydrology Report, 06 no pit will be provided	7.21	0.80
3	Storm Water Networking	To assure proper disposal of Storm Water	3.4	0.51
4	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	20.75	4.83
5	Landscape	As required by the authorities to help environment	8.1	2.04
6	Energy	With all said energy saving measures like solar panels and solar water heaters	68.40	3.90
7	Environmental Monitoring	Air, Noise, Water, Effluent tests as per government norms	NA	2.95
8	External Sewer Connection	To assure proper disposal of drainage Water from STP	4.75	0.71
9	Safety	Safety equipments	NA	5.00
10	DMP	Disaster Management cell	NA	8.50

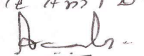
51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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

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Name: K 072 Anil D.

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	As per Parking & Traffic Management Plan
Parking details:	Number and area of basement:	2 and Area - 1,000.00 Sqm
	Number and area of podia:	01 and Area- 5,583.30 SQ.M.
	Total Parking area:	11,718.00 Sq.m
	Area per car:	Covered -30.00 sqm & Open - 25 Sqm
	Area per car:	Covered -30.00 sqm & Open - 25 Sqm
	Number of 2-Wheelers as approved by competent authority:	902
	Number of 4-Wheelers as approved by competent authority:	Covered-223 & open - 65 (Total 293)
	Public Transport:	Bus Stop is Available
	Width of all Internal roads (m):	6m & 7.5m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	Fire Noc-Applied ; Water NOC -Applied ; Drainage Noc -Applied, Dry waste Collection- Applied
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

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Brief information of the project by SEAC

Environment Clearance for Submission of Application for Environmental Clearance for "66 Avenue" by R R Lunkad Landmarks LLP at Gat No 65/66, At Pimple Nilakh, Haveli Pune-411027 by Mr. Rajendra Ramanlal Lunkad.

PP submitted their application for prior Environmental clearance for total plot area of 15410.82 Sq. Mtrs, BUA of 49949.48 Sq. Mtrs and FSI area of 25665.26 Sq. Mtrs. PP proposes to construct 6 no. residential & commercial building +1 MHADA building+1 club house.

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

DECISION OF SEAC

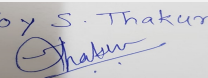
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit CFO NOC.
- 2) PP to submit revised indemnity bond for project land.
- 3) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement with executor.
- 4) PP to submit revised RG drawing.
- 5) PP to submit SWD drawing giving details of chambers up to final disposal point of municipal chamber and invert levels.
- 6) PP to submit STP details.
- 7) PP to submit approved copy of plan for basement.
- 8) PP to relocate the UGT at suitable location with proper head room.
- 9) PP to submit revised site specific EMP.
- 10) PP to submit cross section of roads at four places including UGT, OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.
- 11) PP to submit approved parking plan with details of drive way, width & slope of ramp.
- 12) PP to submit revised fire tender movement plan.

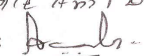
FINAL RECOMMENDATION

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

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Joy S. Thakur (Secretary
SEAC-III)

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Name: K. Anil Kale
Signature: 
Shri. Anil Kale (Chairman
SEAC-III)

72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Proposed IT Offices Construction Project at S. No.228 (P), Plot 4 B, Lohegaon, Tal. Havel, Dist. Pune

Is a Violation Case: No

1.Name of Project	Proposed IT Offices Construction Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Milind Lunkad/ Mr. Ashwin Lunkad
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	IT Offices Construction Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No.228 (P), Plot 4 B
9.Taluka	Haveli
10.Village	Lohegaon
Correspondence Name:	Mr. Nikhil Agrawal
Room Number:	1, Modibaug
Floor:	Second Floor
Building Name:	1, Modibaug, Commercial Building
Road/Street Name:	Ganesjkhind Road, Near Agriculture Collage
Locality:	Shivaji Nagar
City:	Pune
11.Area of the project	Pune Municipal Coprporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD from PMC is in Process IOD/IOA/Concession/Plan Approval Number: Sanction is in process from PMC Approved Built-up Area:
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	8,150 Sqm
16.Deductions	815 Sqm for 10% Open Space
17.Net Plot area	8,150 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 24,450 .00 b) Non FSI area (sq. m.): 23,046.99 c) Total BUA area (sq. m.): 47496.99
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3,010.40
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37 %
21.Estimated cost of the project	850000000

22.Number of buildings & its configuration

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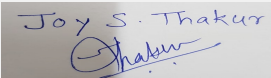
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 BUILDING	2 B + G + 8	34.9 m from ground
23.Number of tenants and shops	one building with 8 floor.		
24.Number of expected residents / users	Total IT office Occupant Load: 4,075 nos.		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 mtrs		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtrs		
29.Existing structure (s) if any	Temporary sheds for storage of our other site construction material		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

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

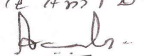
32.Total Water Requirement

Dry season:	Source of water	PMC
	Fresh water (CMD):	104 (Including Club House)
	Recycled water - Flushing (CMD):	82
	Recycled water - Gardening (CMD):	11
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	197
	Fire fighting - Underground water tank(CMD):	100 CUM
	Fire fighting - Overhead water tank(CMD):	20 CUM
	Excess treated water	83 CUM

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Wet season:	Source of water	PMC
	Fresh water (CMD):	104 (Including Club House)
	Recycled water - Flushing (CMD):	82
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	186
	Fire fighting - Underground water tank(CMD):	100 CUM
	Fire fighting - Overhead water tank(CMD):	20 CUM
	Excess treated water	94 CUM

Details of Swimming pool (If any)

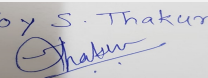
NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	104	104	Not applicable	10	10	Not applicable	94	94
Gardening	Not applicable	11	11	Not applicable	0	0	Not applicable	11	11

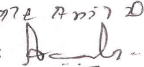
34.Rain Water Harvesting (RWH)

Level of the Ground water table:	10 mtrs
Size and no of RWH tank(s) and Quantity:	NA
Location of the RWH tank(s):	NA
Quantity of recharge pits:	5
Size of recharge pits :	2 X 2 X 1
Budgetary allocation (Capital cost) :	2.5 lakhs
Budgetary allocation (O & M cost) :	0.5 lakhs
Details of UGT tanks if any :	1. Domestic UG tank Capacity: 65 m3 2. Drinking Water UG Tank Capacity: 65 m3 3. Flushing UG tank Capacity : 50 m3 4. Fire UG tank Capacity : 100 m3

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35.Storm water drainage	Natural water drainage pattern:	As per Contour
	Quantity of storm water:	8 CUM/Min
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	176
	STP technology:	MBR
	Capacity of STP (CMD):	1 no of STP of 180 KLD Capacity
	Location & area of the STP:	Given in the master plan
	Budgetary allocation (Capital cost):	25 lakhs
	Budgetary allocation (O & M cost):	2.5 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	25 kg/day total solid waste from labour camp for 50 labours
	Disposal of the construction waste debris:	Debris shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites
Waste generation in the operation Phase:	Dry waste:	631 kg/day
	Wet waste:	387 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8 kg/day
	Others if any:	E-Waste generated: Approx 47 kg/annum
Mode of Disposal of waste:	Dry waste:	Will be handed over to SWACH.
	Wet waste:	Will be treated in Organic waste converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for landscaping of own premises
	Others if any:	E Waste Generated will be handed over to authorized E waste handling vendor/ Dealer
Area requirement:	Location(s):	Given in Master Plan
	Area for the storage of waste & other material:	15 SQM
	Area for machinery:	40 SQM
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2 lakhs
	O & M cost:	0.25 lakhs
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site

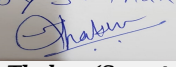
Not applicable

43.Green Belt Development

Total RG area :	Mandatory RG Area: 815.00 m2, Green on peripheral plantation: 538.07 m2; Green Area on Slab: 520.90 SQM. Total RG Area + Slab Area: 1,873.97 m2.
No of trees to be cut :	0
Number of trees to be planted :	99 (102 TREES REQUIRED; 3 TREES EXISTING)
List of proposed native trees :	List of proposed trees attached as annexure with form 1 & 1A & Given below
Timeline for completion of plantation :	5 years


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Magnifera indica	Mango	18	Fruit bearing plant
2	Ficus glomerata	Cluster Fig	20	Fruit bearing plant

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3	Dalbergia latifolia	Indian Rosewood	15	shade giving tree
4	Chordia dichtoma	Indian Cherry	16	Fruit bearing plant
5	Plumeria rubra	Firangapani	10	Ornamental Plant
6	Syzigium cumini	Jambhul	10	Fruit bearing plant
7	Phyllunthus emblica	Gooseberry	10	Fruit bearing plant

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Canna dwarf	0.45 m	100
2	Cassia alata	0.45 m	100
3	Golden duranta	0.45 m	150
4	Hamelia dwarf	0.45 m	75

47.Energy

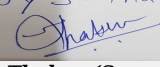
Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	160 KVA
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	3,472.82 KVA
	During Operation phase (Demand load):	2,604.61 KVA
	Transformer:	2 nos. of 2,500 KVA
	DG set as Power back-up during operation phase:	3 nos. of DG sets of 1,000 KVA capacity
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. % of Energy saving per annum by using PV Solar system to MSEDCL grid: 21.93 % of common area load.
2. Energy saving by LED & T5 lighting system at common areas: 50 % of common area load
3. Energy Saving from transformers: 14 % of total connected load


49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving per annum by using PV Solar system to MSEDCL grid	21.93 %
2	Energy saving by LED & T5 lighting system at common areas	50 %
3	Energy Saving from transformers	14 %

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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste water generated	Not applicable	STP will be installed in operation phase to treat waste water
Solid waste generation	Not applicable	OWC will be installed to treat the biodegradable waste
DG Set	Not applicable	DG sets will be installed for Power Backup
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	For Solar PV Panels: Capital Cost 14,70,000/- & For DG Sets: Capital Cost: 1,50,00,000/-
	O & M cost:	For Solar PV Panels: O & M Cost: 1,47,000/- ; For DG Sets: O & M Cost: 15,00,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

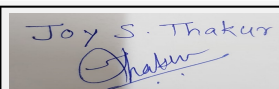
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Water for dust suppression measures & Soil Preservation	0.4
2	Site Safety	Barricading & nets	0.3
3	Site Sanitation	Mobile Toilets etc.	0.8
4	Disinfection & Health Check Up	For Labours	0.75
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	25	2.5
2	Water	RWH	2.5	0.5
3	Solar Street Lighting	PV Cells	14.70	1.47
4	Land Environment	Gardening	1	0.4
5	Solid Waste	OWC	2	0.25
6	Storm Water Networking	Inlet piping system	2.5	0.25
7	Environmental Monitoring	Air, Water, Noise & DG Stack	0	2.60

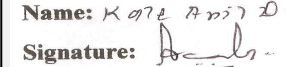
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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


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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	Number and area of basement:	2 basements with total area: 10,710.62 SQM
	Number and area of podia:	NO
	Total Parking area:	15,581.4 SQM (10,710.62 Sqm of Basement + 2006.72 Sqm of Open Parking Area + 2864.06 SQM of Top Terrace Parking Area)
	Area per car:	35 SQM Considering Stack Parking
	Area per car:	35 SQM Considering Stack Parking
	Number of 2-Wheelers as approved by competent authority:	1,467
	Number of 4-Wheelers as approved by competent authority:	Total 612 cars out of these 306 are stack car parking
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summarised in brief information of Project as below.

Brief information of the project by SEAC

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Environment Clearance for Proposed IT Offices Construction Project at S. No.228 (P), Plot 4 B, Lohegaon, Tal. Havel, Dist. Pune by Mr. Milind Lunkad/ Mr. Ashwin Lunkad.

PP submitted their application for prior Environmental clearance for total plot area of 8150 Sq. Mtrs, BUA of 47496.99 Sq. Mtrs and FSI area of 24450 Sq. Mtrs. PP proposes to construct 1 commercial building.

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

DECISION OF SEAC

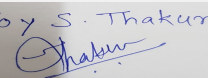
PP requested for time to submit above information; after deliberations committee asked PP to comply with the above observations and submit information to the committee for further discussion and consideration of SEAC.

Specific Conditions by SEAC:

- 1) PP to submit basement approved plan.
- 2) PP to submit revised NOC of swatch with correct quantity of waste.
- 3) PP to submit STP details.
- 4) PP to explore the possibility to use solar panel on terrace.
- 5) PP to submit revised RG plan with list of local native species of trees.
- 6) PP to submit waste management plan.
- 7) PP has stated excesses debris will shift outside the plot PP to submit the details of plot where excess debris dump its absorbing capacity and NOC from owner.
- 8) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018. With details of fund utilization & agreement or consent of executor.
- 9) PP to submit revised parking layout and basement ventilation plan.
- 10) PP to submit CFO NOC considering the two lift for two wheeler parking on terrace area.
- 11) PP to submit details of slop & width of ramp.

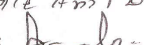
FINAL RECOMMENDATION

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

Joy S. Thakur

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Signature: 
Shri. Anil Kale (Chairman
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72 nd Meeting of SEAC-3 (Day-2)

SEAC Meeting number: 72 Meeting Date October 1, 2018

Subject: Environment Clearance for Expansion of Residential construction project Ishanya by Mahanagar Realty

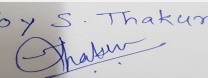
Is a Violation Case: No

1.Name of Project	Ishanya
2.Type of institution	Private
3.Name of Project Proponent	Mahanagar Realty
4.Name of Consultant	Pollution and Ecology control services
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental clearance obtained vide no. SEAC-2011/ C.R. 44/TC-2 dated 22nd March 2013
8.Location of the project	CTS No. 373 (pt), 375,376,377(pt), 378 (pt), S.No. 19A/3A, Dhankawadi, Satara Road, Pune-411043
9.Taluka	Haveli
10.Village	Dhankawadi
Correspondence Name:	Swaran Singh Sohal
Room Number:	0
Floor:	6
Building Name:	San Mahu Complex
Road/Street Name:	Poona Club road
Locality:	Camp
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	In process
	IOD/IOA/Concession/Plan Approval Number:
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Building A, B, C complete. Constructed area 70076.68 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	23734
16.Deductions	3985.9
17.Net Plot area	19748.10
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 49993.85 sq.m
	b) Non FSI area (sq. m.): 65411.66 sq.m.
	c) Total BUA area (sq. m.): 115406
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 31514.91
	Approved Non FSI area (sq. m.): 40664.39
	Date of Approval: 20-07-2017
19.Total ground coverage (m2)	9240
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48.5
21.Estimated cost of the project	2620400000

22.Number of buildings & its configuration

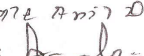
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	A (1)	3B +P +21	69.70	
2	B (1)	3 B + P + 21	70	
3	C (1)	3 B + P + 21	70	
4	D (1)	1 B + G + Mezz +5 P + 29	99.99	
5	Commercial at D building	G + mezz	6	
6	community prayer hall	G	9	
23.Number of tenants and shops	495 + 6 shops			
24.Number of expected residents / users	Residential - 2475 Commercial - 140			
25.Tenant density per hectare	250 T/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))	60			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9			
29.Existing structure (s) if any	Residential building: 03 Bldg A- 3B+S+21 Bldg B- 3B+S+21 Bldg C- 3B+S+10 Commercial building: 01			
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				

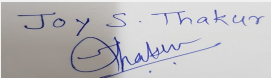
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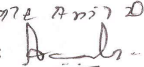
Name: K. Anil Kale

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Dry season:	Source of water	PMC							
	Fresh water (CMD):	232							
	Recycled water - Flushing (CMD):	116							
	Recycled water - Gardening (CMD):	58							
	Swimming pool make up (Cum):	6							
	Total Water Requirement (CMD) :	406							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	25 kl/bldg							
	Excess treated water	139							
Wet season:	Source of water	PMC							
	Fresh water (CMD):	232							
	Recycled water - Flushing (CMD):	116							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	6							
	Total Water Requirement (CMD) :	348							
	Fire fighting - Underground water tank(CMD):	300							
	Fire fighting - Overhead water tank(CMD):	25 KL/bldg							
	Excess treated water	197							
Details of Swimming pool (If any)	Dimension of Swimming Pool: Main Pool Size:18 mX 7M Baby Pool size: 4 m X 7m Total water Requirement in KLD: 168 Water requirement for make up in KLD: 6 Details of Plant& Machinery used for treatment of Swimming pool water: Filter, Self Priming pump, Control panel for pump, Hair and lint strainer, S/F main drain in white ABS, S/F vacuum point in white ABS, S/F inlet point in white ABS, overflow grating.								
	33.Details of Total water consumed								
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement	Not applicable	232	232	Not applicable	23	23	Not applicable	209	209
Domestic	Not applicable	232	232	Not applicable	23	23	Not applicable	209	209

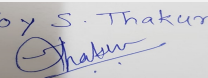

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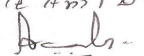
Name: K. Anil Kale
 Signature: 
 Shri. Anil Kale (Chairman
 SEAC-III)

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon: 10 m BGL Post monsoon : 3-5 BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	15
	Size of recharge pits :	2.0 m x 0.90 m x 2.0 m
	Budgetary allocation (Capital cost) :	11.25/- lakhs
	Budgetary allocation (O & M cost) :	1.0 /- lakh p.a.
	Details of UGT tanks if any :	Domestic UG tank Capacity: 371.40 KLD Fire UG tank Capacity: 300 KLD
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	23.86 m ³ /min
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	313
	STP technology:	FAB & MBBR
	Capacity of STP (CMD):	2 STPS 150 KLD + 210 KLD
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	94 /- lakhs
	Budgetary allocation (O & M cost):	18 /- lakhs p.a.
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:	On the same site as filling material
Waste generation in the operation Phase:	Dry waste:	479 kg/day
	Wet waste:	700 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	19
	Others if any:	E waste : 500 kg/year

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Mode of Disposal of waste:	Dry waste:	Through authorized vendor
	Wet waste:	Mechanical composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Through mechanical composting unit
	Others if any:	E waste: Through authorized vendor
Area requirement:	Location(s):	As per layout
	Area for the storage of waste & other material:	24 sqm
	Area for machinery:	20 sqm
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	25 /- lakhs
	O & M cost:	12.26 /- lakhs p.a.

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7 - 8.5	6.5 - 7.5	NA
2	COD	mg/l	300 - 400	<30	Not exceed 100 mg/l
3	BOD	mg/l	250- 300	<10	Not exceed 10 mg/l
4	S.S.	mg/l	350 -450	<5	Not exceed 50 mg/l
5	Oil & grease	mg/l	10	<5	NA
6	TDS	mg/l	NA	<1000	Not applicable
7	Total Nitrogen	mg/l	40-50	< or equal to 10	Not applicable
8	Ammonical nitrogen as nitrogen	mg/l	Not applicable	< or equal to 1	Not applicable
9	Total phosphate	mg/l	5 -7	< or equal to 2	Not applicable
10	Feacal Coliform	MPN/100 ml	10000000	ND	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

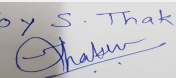
Note on ETP technology to be used Not applicable

Disposal of the ETP sludge Not applicable

38. Hazardous Waste Details

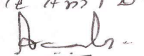
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39. Stacks emission Details

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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 :	2760.90 sqm
	No of trees to be cut :	16
	Number of trees to be planted :	381
	List of proposed native trees :	As per list
	Timeline for completion of plantation :	2 years

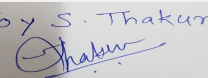
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Astonia scholaris	Saptarni	80	Native, Evergreen
2	Azadirachta indica	Neem	42	Native, Medicinal value, To control soil erosion
3	Bauhinia purpurea	Kanchan	27	Every part of plant is medicinal, Drought tolerant species
4	Lagerstomia flosreginae	Taman	37	Native, Medicinal value, To control soil erosion
5	Michelia Champaca	Son chapha	77	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing
6	Dalbergia sissoo	Shisum	98	Native, flowering
7	Mimosops elengi	Bakul	70	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing

45.Total quantity of plants on ground

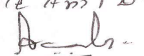
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Allamanda nerifolia Nana	Not applicable	Not applicable
2	Canna generalis hybrid red	Not applicable	Not applicable
3	Agave angustifolia 'Variegata'	Not applicable	Not applicable
4	Nerium olender roseum Dwarf	Not applicable	Not applicable

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5	Leucophyllum frutescence	Not applicable	Not applicable
6	Murraya exotica	Not applicable	Not applicable
7	Tabernaemontana coronaria 'variegata'	Not applicable	Not applicable
8	Tabernaemontana coronaria 'Mini'	Not applicable	Not applicable

47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	62.5 KVA (1)
	During Operation phase (Connected load):	5092 KVA
	During Operation phase (Demand load):	2367 KVA
	Transformer:	630 KVA X 6
	DG set as Power back-up during operation phase:	400 KVA X 1 No.
	Fuel used:	Diesel
Details of high tension line passing through the plot if any:	NA	

48. Energy saving by non-conventional method:

Solar Water Heating Systems

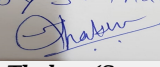
- LED based lighting will be done in the common areas, landscape areas, signage's, Entry Gates and boundary compound walls etc.
- Auto timer switches will be provided for street lights, Garden lights, Parking & staircase lights & other Common area Lights for saving electrical energy.
- Water Level Controllers with timers will be used for water pumps.
- Overall Energy Saving is: Approx. 25%

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamps	28835 KWH / Annum
2	Solar Water heater	180675 KWH / Annum

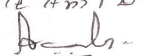
50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution	Not applicable	STP
Noise Pollution due to DG set	Not applicable	Acoustic encloser and canopy

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Solid waste	Not applicable	OWC
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	124 /- lakhs
	O & M cost:	7.9 /- lakhs p.a.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

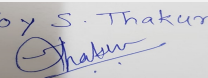
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	Dust suppression measures	1.8
2	Site safety	Net, PPE to labours, Sigh boards, etc	2
3	Site sanitation	Mobile toilets, and solid waste management	2
4	Disinfection and health check up	Medical camp	2.4
5	Environmental monitoring	Air, water , noise and soil monitoring and 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	Two STP of FAB and MBBR technology	94	18
2	Rain Water Harvesting	Pits with bore and internal piping	11.25	1
3	Solid waste managment	OWC installation	25	12.26
4	Landscape	Plantation	64	3.70
5	Energy	Energy conservation measures	124	7.9
6	Environmental monitoring	air, water, soil, noise monitoring and analysis	0	1.60
7	Safety training and awareness	training to residence	9	0
8	Water tanker in case of water shortage	water tanker	0	1.50

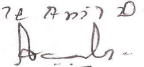
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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

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52.Any Other Information

No Information Available

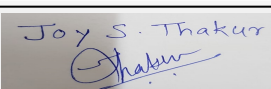
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	Number and area of basement:	23636.87 sqm (3)
	Number and area of podia:	12195.73 sqm (5)
	Total Parking area:	35832.60 sq.m.
	Area per car:	35m2 and 30 m2
	Area per car:	35m2 and 30 m2
	Number of 2-Wheelers as approved by competent authority:	1071
	Number of 4-Wheelers as approved by competent authority:	1072
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

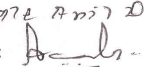
Summorised in brief information of Project as below.

Brief information of the project by SEAC


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Environment Clearance for Expansion of Residential construction project Ishanya at CTS No. 373 (pt), 375,376,377(pt), 378 (pt), S.No. 19A/3A, Dhankawadi, Satara Road, Pune- 411043 by Mahanagar Realty.

PP submitted their application for modernization of earlier Environmental clearance for total plot area of 23734.00 Sq. Mtrs, BUA of 115406.00 Sq. Mtrs and FSI area of 49993.85 Sq. Mtrs. PP proposes to construct 5 no. of residential & commercial building +1 community prayer hall.

DECISION OF SEAC

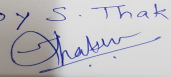
PP remains absent, hence committee decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

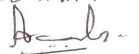
SEAC-III decided to defer the proposal. Kindly find SEAC decision above.

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Joy S. Thakur

Joy S. Thakur (Secretary
SEAC-III)

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