

Agenda for 76th Meeting of SEAC-3 (Day-3)

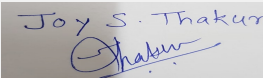
SEAC Meeting number: 76 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P), Charholi, Haveli Taluka, Pune by M/s. Tanish Associates

Is a Violation Case: No

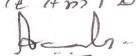
1.Name of Project	Proposed Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P), Charholi, Haveli Taluka, Pune by M/s. Tanish Associates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Dilip Solanki
4.Name of Consultant	VK:e environmental, Pune
5.Type of project	Residential and 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. 509 (P), by M/s. Tanish Associates
9.Taluka	Haveli
10.Village	Charholi
Correspondence Name:	M/s. Tanish Associates,
Room Number:	498/2/3, Tanish Srushti,
Floor:	Tanish Srushti,
Building Name:	498/2/3, Tanish Srushti,
Road/Street Name:	Alandi-Markal Road
Locality:	Alandi
City:	Pune
11.Area of the project	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Under process IOD/IOA/Concession/Plan Approval Number: Under process Approved Built-up Area: 35517
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	17,900.00 sqm
16.Deductions	614.00 m2
17.Net Plot area	Balance area of the plot :17285.96 m2 Open space: 1729.75 m2 Net Plot area: 15556.21 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 35,517.88 b) Non FSI area (sq. m.): 21998.59 c) Total BUA area (sq. m.): 57516.47
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	4070.21
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26
21.Estimated cost of the project	1480000000

22.Number of buildings & its configuration


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

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A-Building	B+P+12	39.00
2	B-Building	B+P+12	39.00
3	C-Building	B+P+12	39.00
4	D-Building	B+P+12	39.00
5	E-Building	B+P+12	39.00
6	F-Building	B+P+12	39.00
7	G-Building	B+P+12	39.00
8	H-Building	B+P+12	39.00
9	I-Building	B+P+12	39.00
10	J-Building	B+P+12	39.00
11	MHADA	P+11	36.00

23.Number of tenants and shops	No. of tenements : 1012 flats Total No. of shops: 12 Residential Tenants: 5060 Commercial Tenants: 107
24.Number of expected residents / users	Residential users : 5060 Persons Commercial : 107 persons Total: 5167 persons
25.Tenant density per hectare	Residential users : 5060 Persons Commercial : 107 persons Total: 5167 persons
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 12 m wide. Nearest fire station: PCMC fire station Nearest Fire Station Distance : Approximately 3.0 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	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

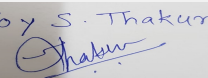
31.Production Details

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

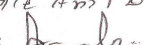
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Dry season:	Source of water	PCMC							
	Fresh water (CMD):	459							
	Recycled water - Flushing (CMD):	229							
	Recycled water - Gardening (CMD):	10							
	Swimming pool make up (Cum):	3							
	Total Water Requirement (CMD) :	701							
	Fire fighting - Underground water tank(CMD):	400							
	Fire fighting - Overhead water tank(CMD):	20 per wing							
	Excess treated water	256							
Wet season:	Source of water	PCMC							
	Fresh water (CMD):	459							
	Recycled water - Flushing (CMD):	229							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	1.5							
	Total Water Requirement (CMD) :	689.5							
	Fire fighting - Underground water tank(CMD):	400							
	Fire fighting - Overhead water tank(CMD):	20 per wing							
	Excess treated water	266							
Details of Swimming pool (If any)	3.0 kld water will be required for makeup. a) PH-7.0 to 7.6 b)Chlorine Content -0.8 to 1.0 ppm Residual Chlorine in pool c) Disinfection Treatment - With Ozone								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7-12 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	7 bores with pits
	Size of recharge pits :	Recharge pit with bore of 20 Mt. at the bottom, Dimensions - 1.2 m x 1.2 m x 3 m depth Bore well - Dia. - 160 mm Depth - 20 Mt.
	Budgetary allocation (Capital cost) :	Rs. 60,12,000/-
	Budgetary allocation (O & M cost) :	Rs. 37,800/-
	Details of UGT tanks if any :	Drinking water demand:101.6 m3 Domestic water demand: 508.2 m3 Flush water demand: 203.3 m3 Firefighting : 400 m3

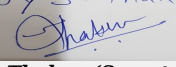
35.Storm water drainage	Natural water drainage pattern:	The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits.
	Quantity of storm water:	storm water runoff is around 3.9 cum/min.
	Size of SWD:	600 mm

Sewage and Waste water	Sewage generation in KLD:	550
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 560 kld
	Location & area of the STP:	On ground , area: 235 sqm
	Budgetary allocation (Capital cost):	Rs. 35,00,000/-
	Budgetary allocation (O & M cost):	Rs. 14,00,000/-

36.Solid waste Management


Waste generation in the Pre Construction and Construction phase:	Waste generation:	- Dry waste (Kg/day): 12 kg/day -Wet waste (Kg/day): 18 kg/day -Total waste generated:30 kg/day
	Disposal of the construction waste debris:	The Construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.

Waste generation in the operation Phase:	Dry waste:	1028 kg/day
	Wet waste:	1528.7 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	82.5 kg/day
	Others if any:	E - waste (Kg/month) : 0.8 kg/day

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Mode of Disposal of waste:	Dry waste:	Will be handed over to SWaCH
	Wet waste:	will be treated in Organic Waste Converter (OWC).
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge from STP will be used as manure.
	Others if any:	E - waste: Will be handed over to authorized recyclers
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	Area required for collection, segregation and storage including treatment: 95 m2
	Area for machinery:	Area required for collection, segregation and storage including treatment: 95 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.26,63,920 /-
	O & M cost:	Rs. 7,12,200/-

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

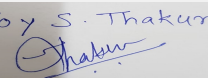
39.Stacks emission Details

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

40.Details of Fuel to be used

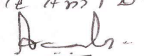
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

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43.Green Belt Development	Total RG area :	1729.75 m2
	No of trees to be cut :	00
	Number of trees to be planted :	195
	List of proposed native trees :	Refer below list
	Timeline for completion of plantation :	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	Dillenia idnica	Karambal	12	Evergreen
2	Bauhinea racemosa	Apta	4	Evergreen
3	Michelia champaca	Soan Chapha	5	Evergreen
4	Crateva religiosa	Vayavarna	6	Ornamental
5	Plumeria rubra	Chafa	5	Evergreen
6	Saraca asoca	Sita Ashok	6	Evergreen
7	Mitragnya Parvifolia	Kalamb	4	Evergreen
8	Cassia fistuia	Bahava tree	5	Ornamental
9	Mimusops elengi	Bakul	16	Evergreen
10	Millingtonia hortensis	Indian Cork Tree	8	Evergreen
11	Terminalia chebula	Hirda	4	Evergreen
12	Cerbera manghas	Sukanu	17	Ornamental
13	Syzygium cumini	Jambhul	2	Evergreen
14	Thespesia populnea	Gulbhendi	14	Evergreen
15	Pterospermum acerifolium	Muchkunda	3	Evergreen
16	Lagerstromia reginae	Jarul	8	Ornametal
17	Holoptelea integrifolia	Vavali	10	Ornamental
18	Cochlospermum religiosum	Ganer	5	Ornamental
19	Azadirachta indica	Limba	12	Evergreen
20	Sapindus laurifolus	Retha	5	Ornamental
21	Butea monosperma	Palas	25	Ornamental
22	Pongamia pinnata	Karaj	05	Ornamental
23	Madhuca indica	Moha	14	Ornamental

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	1 no. of 62.5 kvA
	During Operation phase (Connected load):	3325 KW
	During Operation phase (Demand load):	2340 KW
	Transformer:	630 kvA X 4 no.
	DG set as Power back-up during operation phase:	1 no. of 300 kvA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Energy efficient LED fixtures are proposed for bracket lights provided of all buildings.
- LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area.
- The estimated saving in common area lighting consumption is up to 6.30% due to adopting above measures.
- Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment.
- V3F drive motors should be used for lifts, which saves 30% energy consumption

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> • Energy efficient LED fixtures are proposed for bracket lights provided of all buildings. • LED lighting fixtures are proposed for general lighting for common passages, staircase & terrace area. • The estimated saving in common area lighting consumption is up to 6.30% due to adopting above measures. • Solar Heating System is being proposed for Hot water to be used in Toilets of each apartment. • V3F drive motors should be used for lifts, which saves 30% energy consumption 	16.68 %

50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Solar PV -Rs. 32,00,000/- Solar Hot Water System -Rs. 1,26,50,000/- Energy Saving Features -Rs. 20,90,000/-
	O & M cost:	Solar PV -Rs. 1,60,000/- Solar Hot Water System Rs. 2,53,000/- Energy Saving Features :Rs. 2,09,000/-

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	Erosion control - dust suppression measures, barricading and top soil preservation	13,65,140/-
2	Health and safety	Labour Camp toilets & sanitation	7,20,000/-
3	Health and safety	Labour Safety Equipment's and training	6,00,000/-
4	Environment	Environmental Monitoring	1,85,600/-
5	Health and Safety	Disinfection and Health Check-ups	51,000/-
6	Environmental mangement	Environmental Monitoring cell	1,70,000/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	Sewage treatment plant	35,00,000/-	14,00,000/-
2	Solid waste management	Solid waste management	26,63,960/-	07,12,200/-
3	Landscaping	Landscaping	4,32,437/-	43,243/-
4	Rain water harvesting	Rain water harvesting	12,60,000/-	37,800/-
5	Environmental Monitoring	Environmental Monitoring	-	1,82,500/-
6	Solar Hot Water System	Solar Hot Water System	1,26,50,000/-	2,53,000/-
7	Solar PV	Solar PV	32,00,000/-	1,60,000/-
8	Energy Saving Features	Energy Saving Features	20,90,000/-	2,09,000/-

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

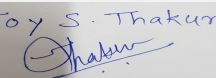
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

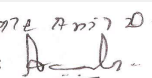
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Proposed site is located at Charholi. The road network within the site has been designed to cater to the traffic loads of the project
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Name: *Kale Anil D.*
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Parking details:	Number and area of basement:	1 basement
	Number and area of podia:	-
	Total Parking area:	15717.60 sqm
	Area per car:	30
	Area per car:	30
	Number of 2-Wheelers as approved by competent authority:	2088
	Number of 4-Wheelers as approved by competent authority:	524
	Public Transport:	NA
	Width of all Internal roads (m):	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	8a Building and Construction Projects
	Court cases pending if any	-
	Other Relevant Informations	The proposed project is Residential and Commercial Project "Tanish Pearls" at Gat No. 509 (P), Charholi, Haveli Taluka, Pune by M/s. Tanish Associates
	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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PP submitted their application for prior EC for total plot area of 17900 m2, BUA of 57516.47 m2 and FSI area of 35517.88 m2. PP proposes to construct 11 no. building.

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

DECISION OF SEAC

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

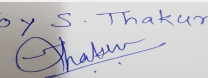
Specific Conditions by SEAC:

- 1) PP to submit revised debris management plan clarifying how they are disposing excess debris.
- 2) PP to submit Affidavit stating providing of sustainable water supply.

FINAL RECOMMENDATION

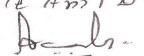
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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Shri. Anil Kale (Chairman
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Agenda for 76th Meeting of SEAC-3 (Day-3)

SEAC Meeting number: 76 Meeting Date November 17, 2018

Subject: Environment Clearance for Proposed Residential & Commercial project at S no. 131/1, CTS no. 4711, Hadapsar, Pune by M/s. Wellwisher Apartment

Is a Violation Case: No

1.Name of Project	Proposed Residential & Commercial project at S no. 131/1, CTS no. 4711, Hadapsar, Pune by M/s. Wellwisher Apartment
2.Type of institution	Private
3.Name of Project Proponent	Mr. Abhijeet Bhansali
4.Name of Consultant	J M EnviroNet Pvt Ltd (Ms. Sayali Jagtap-EIA Coordinator-9960159156)
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. 131/1, CTS no. 4711, Hadapsar, Pune
9.Taluka	Haveli
10.Village	Hadapsar
Correspondence Name:	Mr. Vijay Naikwade
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	S no. 131/1, CTS no. 4711, Hadapsar, Pune
Locality:	Hadapsar
City:	Pune
11.Area of the project	Pune Municipal Corporation(PMC)
12.IOD/IOA/Concession/Plan Approval Number	DP layout received
	IOD/IOA/Concession/Plan Approval Number: DP layout sanction no. = CC\0657/18 Dated 13.06.2018
	Approved Built-up Area: 34951.77
13.Note on the initiated work (If applicable)	Total constructed area : 17832.58 sq. m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7700 sq. m
16.Deductions	1124.20 sq. m
17.Net Plot area	6575.80 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 16598.86 sq. m
	b) Non FSI area (sq. m.): 18352.91 sq. m
	c) Total BUA area (sq. m.): 34951.77
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 16598.86 sq. m
	Approved Non FSI area (sq. m.): 18352.91 sq. m
	Date of Approval: 13-06-2018
19.Total ground coverage (m2)	1445.19 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.98 %
21.Estimated cost of the project	400000000

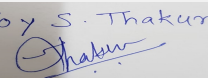
22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Wing A + Commercial Shops	Ground + 3 Parking + 13 floors	53.61	
2	Wing B & C	Parking + 16 floors	49.95	
3	Club House	Ground + 1 floor	-	
23.Number of tenants and shops	Residential : 309 Commercial shops			
24.Number of expected residents / users	Residential : 1545 no's ; Commercial floating population : 60 persons.			
25.Tenant density per hectare	250/Ha			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m wide DP road to nearest fire station at Amnora at distance 7.3 km			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m			
29.Existing structure (s) if any	Wing B & C , Club House.			
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				

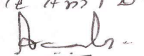
 Joy S.Thakur (Secretary SEAC-III)	SEAC Meeting No: 76 Meeting Date: November 17, 2018	Page 12 of 33	Name: K. Anil Kale  Shri. Anil Kale (Chairman SEAC-III)
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Dry season:	Source of water	Pune Municipal Corporation(PMC)							
	Fresh water (CMD):	140.55							
	Recycled water - Flushing (CMD):	70.73							
	Recycled water - Gardening (CMD):	4.72							
	Swimming pool make up (Cum):	10							
	Total Water Requirement (CMD) :	226							
	Fire fighting - Underground water tank(CMD):	450							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	105.20							
Wet season:	Source of water	Pune Municipal Corporation(PMC)							
	Fresh water (CMD):	140.55							
	Recycled water - Flushing (CMD):	70.73							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	10							
	Total Water Requirement (CMD) :	221.28							
	Fire fighting - Underground water tank(CMD):	450							
	Fire fighting - Overhead water tank(CMD):	20							
	Excess treated water	109.82							
Details of Swimming pool (If any)	Swimming Pool size : 12.60 x 5.50 m Water requirement : 10 KLD								
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

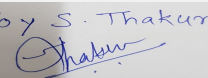
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	10 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 no's
	Size of recharge pits :	2 x 2 x 2 m
	Budgetary allocation (Capital cost) :	Rs. 3,00,000 /-
	Budgetary allocation (O & M cost) :	Rs. 60,000 /-
	Details of UGT tanks if any :	Domestic UGT capacity : 212 KLD Flushing UGT capacity : 211 KLD Fire UGT capacity : 450 KLD
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	1.67 cum/min
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	190.15
	STP technology:	MBBR technology
	Capacity of STP (CMD):	200 KLD
	Location & area of the STP:	Area : 100 sq. m
	Budgetary allocation (Capital cost):	Rs. 57,20,000 /-
	Budgetary allocation (O & M cost):	Rs. 9,50,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	30 kg/day
	Disposal of the construction waste debris:	Used within site
Waste generation in the operation Phase:	Dry waste:	276.37 kg/day
	Wet waste:	443.32 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24.60 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	Dry waste:	To Authorized vendor
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	NA
Area requirement:	Location(s):	Shown on layout
	Area for the storage of waste & other material:	23.92 sq. m
	Area for machinery:	32 sq. m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 13,30,560 /-
	O & M cost:	Rs. 3,69,000 /-

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

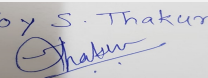
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

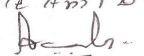
40. Details of Fuel to be used

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 :	RG area : 786.20 sq. m
	No of trees to be cut :	0
	Number of trees to be planted :	0
	List of proposed native trees :	102 no's
	Timeline for completion of plantation :	Up to completion of project

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

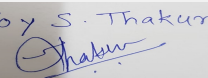
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Neolamarckia cadamba	Kadamb	12	"Large size , shady, ball shaped flowering tree. "
2	Cassia fistula	Bahawa	12	"Medium size deciduous tree, Draught tolerant,Beautiful yellow flower,butterfly host plant. "
3	Bahunia purpurea	kanchan	9	"Medium size pink flowering tree. "
4	Lagerstromia indica	Taman	9	"State flower of maharashtra, medium size tree with beautiful purple flower. "
5	Michelia champaca	Sonchafa	9	"Medium size evergreen tree. Fragrant yellow flowers,butterfly host plant. "
6	Peltoforum Petrocarpum	Copper pod	12	"Large size , shady,yellow flowering tree. "
7	Azadirachta indica	Neem	12	"Semi - evergreen tree with medicinal value. "
8	Plumeria Acutifolia	Temple tree	9	"Evergreen medium size white flowering tree, medicinal value. "
9	Psidium guayava	Gauva	3	Medium sized fruit bearing tree, medicinal plant-good source of calcium and vitamin C.
10	Achras sapota	Chikoo	3	Medium sized fruit bearing tree, medicinal value,bird attracting tree
11	Annona squamosa	Sitaphal	3	Medium sized fruit bearing tree, medicinal value.
12	Mangifera indica	Mango	9	"State tree of maharashtra (Auspicious tree), greening & popular edible fruits, medicinal & butterfly host tree. "

45.Total quantity of plants on ground

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


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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	11.08 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	868 KW
	During Operation phase (Demand load):	891 KVA
	Transformer:	630 KVA & 315 KVA
	DG set as Power back-up during operation phase:	500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

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

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy savings(Solar water heating system + Solar PV panels + LED light fittings) units per year.(For renewable/solar)	21 %

50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 94,69,775 /-
	O & M cost:	Rs. 14,93,657 /-

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	Rs. 57,20,000 /-	Rs. 9,50,000 /-
2	Rain water harvesting	3 no's	Rs. 3,00,000 /-	Rs. 60,000 /-
3	Solid Waste Management	1 OWC	Rs. 13,30,560 /-	Rs. 3,69,000 /-
4	Green Belt Development	102 no's of trees	Rs. 10,61,370 /-	Rs. 1,20,000 /-
5	Energy details	DG set + Solar hot water & PV cells	Rs. 94,69,775 /-	Rs. 14,93,657 /-
6	Environment Monitoring	Environment Monitoring	-	Rs. 1,20,000 /-

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

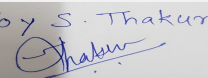
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

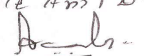
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	30 m wide DP road
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	6441.50 sq. m
	Area per car:	12.5 sq. m as per DC rule
	Area per car:	12.5 sq. m as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooters : 669 , Cycles : 365
	Number of 4-Wheelers as approved by competent authority:	317
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 m & 7.00 m drive way
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km areas
	Category as per schedule of EIA Notification sheet	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		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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PP submitted their application for prior Environmental clearance for total plot area of 7700.0 m², BUA of 34951.77 m² and FSI area of 16598.86 m². PP proposes to construct 2 no. of residential & commercial buildings +1 club house.

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

PP has satisfactorily complied with the points raised in 72nd meeting of SEAC-3.

DECISION OF SEAC

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

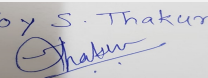
Specific Conditions by SEAC:

1) Nil.

FINAL RECOMMENDATION

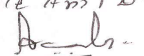
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000167

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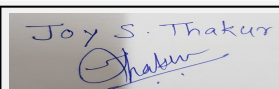
Agenda for 76th Meeting of SEAC-3 (Day-3)

SEAC Meeting number: 76 Meeting Date November 17, 2018

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

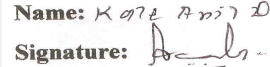
Is a Violation Case: No

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


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

22.Number of buildings & its configuration

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

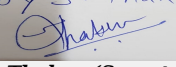
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Signature: *Anil D. Kale*
**Shri. Anil Kale (Chairman
SEAC-III)**

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

Joy S. Thakur

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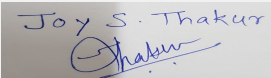
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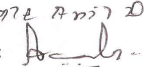
79	OCE2:Sport Complex	G+1	10.80
80	OCE2:Executive Education Centre	G+7	24.00
81	OCE2:Hostel 1	G+3	12.00
82	OCE2:Faculty Housing	G+7	24.00
83	OCE 3	0	0
84	OCE 4	0	0
85	OCE -5 Building-1	G+3	14.90
86	OCE -5 Building-2	G+3	14.90
87	OCE -5 Building-3	G+3	14.90
88	OCE -5 Building-4	G+3	14.90
89	OCE -5 Building-5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

23.Number of tenants and shops	No. of Tenements 18922 (Residential)
24.Number of expected residents / users	275168
25.Tenant density per hectare	50 (permissible 250 per hecter)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m. road developed by project proponent connected to NH-4. Fire station is at distance of 12.0 km. Fire station is proposed in the township.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mtr
29.Existing structure (s) if any	So far construction has been carried out is only 62881.92 Sq.m, which is only 10.88 per cent of the total built up area of the existing phase. Important buildings or edifices constructed in the existence phase are Golf Club Building 4763 Sq.m, Flame University 53618.92 Sq.m. and Avasara School 4500.00 Sq.m.
30.Details of the demolition with disposal (If applicable)	NA


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31. Production Details

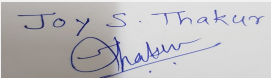
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32. Total Water Requirement

Dry season:	Source of water	Irrigation Department Pune							
	Fresh water (CMD):	9230							
	Recycled water - Flushing (CMD):	4758							
	Recycled water - Gardening (CMD):	2561							
	Swimming pool make up (Cum):	9							
	Total Water Requirement (CMD) :	16549							
	Fire fighting - Underground water tank(CMD):	500 KL							
	Fire fighting - Overhead water tank(CMD):	30 Kl							
	Excess treated water	4209							
Wet season:	Source of water	Irrigation Department Pune							
	Fresh water (CMD):	9230							
	Recycled water - Flushing (CMD):	4758							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	9							
	Total Water Requirement (CMD) :	13988							
	Fire fighting - Underground water tank(CMD):	500 KL							
	Fire fighting - Overhead water tank(CMD):	30 KL							
	Excess treated water	6769							
Details of Swimming pool (If any)	AS per Layout plan								

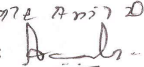
33. Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	336	13652	13988	90	1763	1853	246	11889	12135

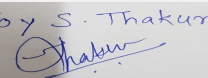

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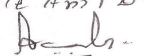
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Gardening	664	1897	2561	0	0	0	0	0	0	
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon depth of Water level 2-5 m								
	Size and no of RWH tank(s) and Quantity:	details are given in EIA Report								
	Location of the RWH tank(s):	As per contour of the site								
	Quantity of recharge pits:	600 Nos.								
	Size of recharge pits :	1.5 x1.5 x 2 m								
	Budgetary allocation (Capital cost) :	120 Lakhs								
	Budgetary allocation (O & M cost) :	10 Lakhs/Annum								
	Details of UGT tanks if any :	UGT Name In KLD UGT-1 2170 UGT-2a 710 UGT-2b 830 UGT-3 3140 UGT-4a 870 UGT-4b- 380 UGTb-2 210 UGT-F 400 UGT-V1 90 UGT-V2 90 UGT-V3 90 UGT-G 250 Total 9230 Total : 12 UGWT will be provided.								
35.Storm water drainage	Natural water drainage pattern:	Storm water drainage will be designed according to contour of the site								
	Quantity of storm water:	169263 cum								
	Size of SWD:	1200 mm in diameter								
Sewage and Waste water	Sewage generation in KLD:	12135								
	STP technology:	MBBR								
	Capacity of STP (CMD):	13 no. Total Capacity 12330 KLD								
	Location & area of the STP:	Shown in Layout Plan								
	Budgetary allocation (Capital cost):	Rs. 900 Lakhs								
	Budgetary allocation (O & M cost):	Rs. 90 lakhs/Annum								
36.Solid waste Management										

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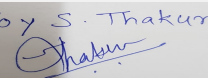
Waste generation in the Pre Construction and Construction phase:	Waste generation:	30 Kg/day
	Disposal of the construction waste debris:	Authorized Dealer
Waste generation in the operation Phase:	Dry waste:	24990.5 Kg/Day
	Wet waste:	37485.7Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):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

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	7.5-8.5	7.0-7.5	6.5-9.0
2	SS	mg/ltr	150-200	50-100	100
3	BOD	mg/ltr	50-80	10-30	30
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

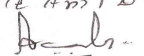
38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	ltr/annum	30	100	130	Authorised Vendor

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39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	2625 ltr/day	107 nos.	as per Norms	appropriate as per height.	--

40.Details of Fuel to be used

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

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

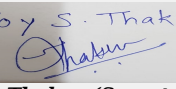
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azardirachtaindica	Neem	3000	Dense , Evergreen
2	FicusBenghalensis	Bargad,(Wad)	150	Large, Dense , Evergreen
3	TerminaliaArjuna	Arjuna	2000	semi-deciduous, Medium
4	PolyalthiaPendula	Ashoka	4000	Evergreen, small
5	MangiferaIndica	Amba	1000	Large, Dense , Evergreen
6	SyzygiumCumini	Jambhul	1000	semi-deciduous, Medium
7	Cassia Fistula	Amaltas	1500	Evergreen, small
8	DalbergiaLatifolia	Shisam	1000	Large, Dense , Evergreen
9	MicheliaChampaka	SoanChafa	800	Large, Dense , Evergreen
10	Manilkarazapota	Chiku	800	semi-deciduous, Medium, tall
11	FurcrataGigantia	Furcurea	700	succulent garden ornamental.
12	DelonixRegia	Gulmohar	1500	Deciduous, Large
13	Artocarpusheterophyllus	Jackfruit	500	Good canopy, Fruit & flower, attracting
14	FicusBenjamina	Fig	550	Deciduous, Large
15	Roystonearegia	Royal Palm	1500	Deciduous, Large

45.Total quantity of plants on ground

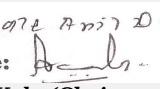
46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
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1	NA	NA	NA
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47. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	200 KVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	456 MVA
	During Operation phase (Demand load):	247 MVA
	Transformer:	194 Nos.
	DG set as Power back-up during operation phase:	107 Nos.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	132 KVA line

48. Energy saving by non-conventional method:

Solar Energy Conventional Energy

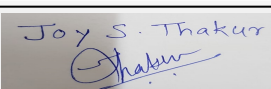
Sr.	No	Description	Units Saved/ year	Energy cost savings/ Year	Units Saved/ Day	Units / year	Energy cost / Year	% Energy Saving/yr
			(Kw-hr/ year)	(Rs./year)	(Kw-hr/ Day)	(Kw-hr/ year)	Rs./year	
1		Solar Lighting (for Landscape/Driveway)	43800	306600	120	438000	3066000	10
2		Still Floor / Staircase / Lift Lobby Lighting	5162706	36138942	14144	17209020	120463140	30
3		VFD's on Lifts	4204800	29433600	11520	21024000	147168000	20
4		Solar Panels for Hot Water	2509600	17567200	6875.62	135505000	94535000	19
Total Savings/year (KWH)			11920906	83446342	32660	52176020	365232140	20
Total Savings/ day (Kwh)			32660	228620	142948	1000636		

49. Detail calculations & % of saving:

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

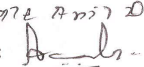
50. Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.4203.00Lakhs
	O & M cost:	Rs.40.00 Lakh per Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	SPM	7.20 (Rs.1500/day for 2 years)
2	Site Sanitation & Safety	mobile toilets	5.50
3	Environmental Monitoring	--	4.50
4	Health & Checkup of Labour	--	2.0
5	TOTAL	--	19.2

b) Operation Phase (with Break-up):

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

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

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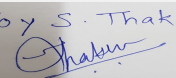
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

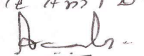
53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project site is approachable by Mumbai-Bangalore NH-4 road through TarRoad Developed by Project Proponent.
Parking details:	Number and area of basement:	None
	Number and area of podia:	46 Podium.
	Total Parking area:	817000 Sq. m.
	Area per car:	As per PMRD Norms
	Area per car:	As per PMRD Norms
	Number of 2-Wheelers as approved by competent authority:	87770 Scooter and 87770 Cycles
	Number of 4-Wheelers as approved by competent authority:	27678 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	6-12 m.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	None
	Other Relevant Informations	Application for Environmental Clearance.

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	In order to undertake the proposed development, an Environmental assessment has been done. This assessment shows that; a measure negative impact could be generated mainly during the construction phase. This impact may occur due to excavation activity, transportation activities. These aspects may have impacts in terms of dust issue, noise, etc. the EMP and EIA report has been done which provides mitigation measures in order to minimize or to eliminate the probable minor impacts occurring due to the above-mentioned activities during the life cycle of the project.
Water Budget	Total water requirement-16510 KLD, Fresh Water-8792 KLD, Recycled Water for Flushing- 5158 KLD, Recycled water for gardening-2560 KLD.
Waste Water Treatment	Sewage Generation- 12135 KLD, STP of capacity - 12330 KLD with MBBR technology is proposed to treat waste water.
Drainage pattern of the project	The artificial pond are created will collect and temporarily stored water on project site. Estimated storage capacity is 25434000 Litr (25434 KL) Excess water - 18,11,087 KL is estimated to overflow into the existing stream.
Ground water parameters	PP has proposed recharging through pits and bores having approximate capacity 50 CuM/pit. As such, 250 pits with bores are to be constructed on the project site.
Solid Waste Management	Solid waste will be segregated into three types of waste- dry, wait and E-waste. By providing different waste collection bins with different colour coding at suitable places. Dry waste of 243991 Kg/day will be collected by SWACH. Agreement has been made with SWACH. Wait waste of 467 Kg/day including food waste and garden waste will be treated in OWC proposed on site. Bio-medical waste of 30 Kg/day will be utilized as manure on site. E-waste of 578 Kg/day will be handed over to Hi-Tech Recycler Pvt. Ltd. Agreement for the same has been done.
Air Quality & Noise Level issues	Following mitigation measures will be taken to avoid Air and Noise issues : a) The need for excavation will be minimized considering the building design. b) Site clearing process will be phased out to only areas that need excavation initially, this will reduce the dust emission from currently unused areas. c) Water sprinkling will be done frequently to reduce local dust emissions. d) Site barricading to avoid noise penetration into the neighbouring sites. e) Silencer / dumpers will be attached to the equipment to reduce noise from the equipment to surrounding areas. f) No excavation / foundation activities during night time will be followed.
Energy Management	Total Demand Load: 197312 KW, Total DG Sets : 97 Nos. (Residential 42 and Commercial 65) SWHS and SPV will be provided
Traffic circulation system and risk assessment	Road surrounding to the site : The site is connected with NH-47 in the East, SH-60 Paud Road in South, Lavale and SUS Road in West and North Respectively.
Landscape Plan	Already planted 7500 trees and proposed are 20000 Nos.
Disaster management system and risk assessment	Detailed DMP is prepared.
Socioeconomic impact assessment	Positive impact due to increase in employment generation. Increase in the carrying capacity of the area. There will be no stress on existing development since the area has good infrastructure accessibility.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Nil.

Brief information of the project by SEAC

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PP submitted their application for Expansion in existing Environmental clearance for total plot area of 3857154 m2, BUA of 5424423.31 m2 and FSI area of 4253512.80 m2.

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

DECISION OF SEAC

The PP has satisfactorily addressed the points raised in previous meetings. SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the following conditions.

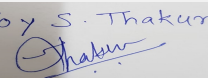
Specific Conditions by SEAC:

- 1) PP to upload all required NOCs from the concerned agencies including consent for fresh water supply of required quantity.
- 2) PP to use herbicides instead of pesticides if any to be used on Golf Course.
- 3) PP informed that treated water will be disposed in artificial water body. PP to explore possibility of using HRTS system.
- 4) PP to submit Grampanchayat NOC for cremation facility.

FINAL RECOMMENDATION

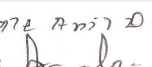
SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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