

55th SEAC-II meeting Day-1 (28/9/2017)

SEAC Meeting number: 55 Meeting Date September 28, 2017


Subject: Environment Clearance for "MMRDA Rental Housing Scheme with Sale component" at Village Shillotar Raichur and village Aakurli, Taluka - Panvel

General Information:

1.Name of Project	"MMRDA Rental Housing Scheme with Sale component" at Village Shillotar Raichur and village Aakurli, Taluka - Panvel
2.Type of institution	Private
3.Name of Project Proponent	Mr. Vinay S Agrawal
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	MMRDA Rental Housing Scheme with Sale component
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	Received Environmental Clearance dt. 29th June, 2011
8.Location of the project	Survey no. 45/2 [old nos. 45/4, 45/8B, 45/9, 45/18(PT), 45/11(PT)] at Village Shillotar Raichur, Survey No. 173/0 at village Aakurli, Taluka - Panvel
9.Taluka	Panvel
10.Village	Shiloter Raichur and Aakurli
11.Area of the project	Local Planning Authority: Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: CIDCO / NAINA / PANVEL / Shillotar Raichur+ Aakurli/ BP-92/CC/2016/2541
	Approved Built-up Area: 138560.74
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 2,55,777.00 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received Location Clearance No. MMRDA/RHS-57/09/72 dated 02/09/2009
15.Total Plot Area (sq. m.)	36,910.00 sq. mt.
16.Deductions	1, 845.50 sq. mt.
17.Net Plot area	35,064.50 sq. mt.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1, 38,560.74 sq. mt.
	b) Non FSI area (sq. m.): 1,59, 659.12 sq. mt.
	c) Total BUA area (sq. m.): 2, 98, 219.86 sq. mt.
19.Total ground coverage (m2)	16,833.64 sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	48 %
21.Estimated cost of the project	3948900000

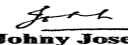
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rental Building No. 1	Ground + 14 Floors	42.09 mt. up to terrace level
2	Rental Building No. 2	Ground + 14 Floors	42.09 mt. up to terrace level
3	Rental Building No. 3	Ground + 14 Floors	42.09 mt. up to terrace level
4	Rental Building No. 4	Ground + 14 Floors	42.09 mt. up to terrace level
5	Sale Building Wing A	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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**Shri. Johnny Joseph
(Chairman SEAC-II)**

6	Sale Building Wing B	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level
7	Sale Building Wing C	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level
8	Sale Building Wing D	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level
9	Sale Building Wing E	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level
10	Sale Building Wing F	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level
11	Sale Building Wing G	2 Basements + Stilt + 3 Podia + 1st to 29th floors	100 mt. up to terrace level
12	Sale Building Wing H	2 Basements + Stilt + 4 Podia + 1st to 29th floors	100 mt. up to terrace level
13	Sale Building Wing I	Stilt + 2 Podia + 1st to 30th floors	100 mt. up to terrace level
14	Sale Building Wing J	Stilt + 2 Podia + 1st to 30th floors	100 mt. up to terrace level
15	Sale Building Wing K	Stilt + 2 Podia + 1st to 30th floors	100 mt. up to terrace level

23.Number of tenants and shops	Rental Buildings : Flats: 2039 Nos. Shops: 12 Nos. Balwadi: 11 Nos. Welfare Centre: 11 Nos. Manager Cabin: 5 Nos. Any other: 4 Nos. Sale Buildings : Total Flats: 1982 Nos.
24.Number of expected residents / users	Rental - 10441 Nos. and Sale - 9910 Nos.
25.Tenant density per hectare	1093/hectars
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	27 mt. wide Panvel - Matheran road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.0 mt. to 9.0 mt.
29.Existing structure (s) if any	Part construction completed as per previous EC
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)
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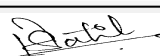
1	Not applicable	Not applicable	Not applicable	Not applicable
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32.Total Water Requirement

Dry season:	Source of water	Sukhapur Gram Panchayat Water Works Dept.							
	Fresh water (CMD):	1815							
	Recycled water - Flushing (CMD):	912							
	Recycled water - Gardening (CMD):	29							
	Swimming pool make up (Cum):	3							
	Total Water Requirement (CMD) :	2759							
	Fire fighting - Underground water tank(CMD):	700							
	Fire fighting - Overhead water tank(CMD):	450							
	Excess treated water	1187							
Wet season:	Source of water	Sukhapur Gram Panchayat Water Works Dept./RWH							
	Fresh water (CMD):	1815							
	Recycled water - Flushing (CMD):	912							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	3							
	Total Water Requirement (CMD) :	2730							
	Fire fighting - Underground water tank(CMD):	700							
	Fire fighting - Overhead water tank(CMD):	450							
	Excess treated water	1216							
Details of Swimming pool (If any)	Swimming pool Volume - 221 m3								

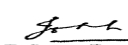
33.Details of Total water consumed

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:	3.0 m and 6.3 m below ground level.
	Size and no of RWH tank(s) and Quantity:	Rental Buildings - 4 tanks of total capacity 106 KL and Sale Buildings - 2 tanks of total capacity 71 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 35.90 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.38 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Underground
35.Storm water drainage	Natural water drainage pattern:	The storm water collected through the storm water drains of adequate capacity will be discharged into the external drain.
	Quantity of storm water:	0.991 m3/sec
	Size of SWD:	2.490 m3/sec
Sewage and Waste water	Sewage generation in KLD:	Rental Buildings: 1204 KLD, Sale Buildings: 1160 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	Rental Building: 1 STP of capacity 1250 KL , Sale Building: 1 STP of capacity 1280 KL
	Location & area of the STP:	Underground
	Budgetary allocation (Capital cost):	Rs. 475.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 29.11 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavation material has been reused on site and remaining disposed for filling and leveling of another plot.
	Disposal of the construction waste debris:	Construction waste partly reused on site and partly disposed to the authorized landfill site
Waste generation in the operation Phase:	Dry waste:	2734 Kg/day
	Wet waste:	6339 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	356 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Recyclable waste : To recyclers , Non-recyclable waste : To Sukhapur Grampanchayat
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	As manure
	Others if any:	NA
Area requirement:	Location(s):	Ground level
	Area for the storage of waste & other material:	540
	Area for machinery:	60
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 45.00 Lacs
	O & M cost:	Rs. 17.51 Lacs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

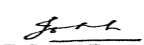
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 on Ground - 3539.31 Sq.mt.
	No of trees to be cut :	Cut trees: 29 Nos.
	Number of trees to be planted :	470 Nos.
	List of proposed native trees :	Given in list of proposed plantation on ground
	Timeline for completion of plantation :	Before Occupation

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	Bahava	48	Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant.
2	Erythrina indica	Pangara	27	It is a drought resistant tree. Flowers are pollinated by birds.
3	Putranjiva roxburghii	Putranjiva	30	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
4	Lagestromia speciosa	Tamhan	37	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, wood is commercially used. Helps to control soil erosion
5	Michelia champaca	Sonchafa	22	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
6	Azadirachta indica	Neem	27	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
7	Neolamarckia cadamba	Kadamb	15	It is a quick growing , large traffic like spreading branches, its fragrant orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
8	Terminalia arjuna	Arjun	16	Leaves are fed on by the Antheraea paphia moth which produces the tassar silk (tussah), a wild silk of commercial importance. Its bark is used in pharmaceuticals for preparing medicines of heart liver & sexually transmitted diseases.

9	Mimusops elengi	Bakul	30	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
10	Ailanthus excelsa	Maharukh	30	Large tree, aromatic good for roadside plantation
11	Murraya paniculata	Kunti	36	Small tropical, evergreen tree, Fragrant white flowers, planted as ornamental tree, it has potential of medicinal properties, family tree for bees, Butterfly host plant
12	Mangifera indica	Mango	44	It is large evergreen and shady tree. Its uses are clearing digestion and acidity due to pitta (heat). Medicinal properties are attributed to different parts of mango tree.
13	Pongamia pinnata	Karanj	40	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant.
14	Bauhinia variegata	Kanchan	42	Plant is attractive to bees, butterflies and/or birds. Inflorescence is white in color. Plant is attractive to bees, butterflies and/or birds. Inflorescence is white in color.
15	Saraca asoka	Sita ashok	26	Shady evergreen tree with red-yellow flowers.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	3 Nos. of DG sets of capacity 125 kVA each and 2 Nos. of DG sets of capacity 62.5 kVA each
	During Operation phase (Connected load):	Rental - 1595 KW, Sale - 5719 KW
	During Operation phase (Demand load):	Rental - 1355 KW, Sale - 4862 KW
	Transformer:	----
	DG set as Power back-up during operation phase:	Rental - 1 no of DG Set of capacity 250 kVA, Sale - 2 nos. of DG Sets of capacity 250 kVA each, 1 no of DG Set of capacity 140 kVA and 3 nos. of DG Sets of capacity 320 kVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Use of T-5 Fittings (28 w) and Electronic ballasts
- Use of BEE certified motors
- Use of Group controls and variable speed drives
- Use of LED Fittings (18 w)
- Daylight based controls
- Provision of solar water heating system

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of T-5 Fittings (28 w) and Electronic ballasts • Use of BEE certified motors • Use of Group controls and variable speed drives • Use of LED Fittings (18 w) • Daylight based controls • Provision of solar water heating system Energy Saving - 21%	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.95.00 Lacs
	O & M cost:	Rs.5.00 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 Environment	Dust suppression	4.32

2	Air Environment	Air and Noise quality monitoring - On site sensors	10.00
3	Air Environment	Air and Noise quality monitoring - By outside MOEF Approved Laboratory	3.30
4	Air Environment	Batching plant monitoring	0.54
5	Water Environment	Drinking water analysis	0.54
6	Land Environment	Site Sanitation	10.00
7	Health & Hygiene	Disinfection- Pest Control	3.60
8	Health & Hygiene	Health Check up of workers	45.00
9	Cost towards Disaster management	---	172.00

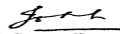
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Cost for Gardening	28.06	1.20
2	Air Environment	Cost for Ambient air & Noise Monitoring	No set up cost is involved	0.22
3	Air Environment	Cost for DG Stack Exhaust Monitoring	No set up cost is involved	0.25
4	Air Environment	Air cleaning system	40.00	3.00
5	Water Environment - Waste water treatment	Cost for sewage Treatment Plants	439.00	27.00
6	Water Environment - Waste water treatment	Cost for Waste water Monitoring - On site sensors	36.00	2.00
7	Water Environment - Waste water treatment	Cost for Waste water Monitoring - By outside MOEF Approved Laboratory	No set up cost is involved	0.11
8	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for RWH tank	17.90	0.90
9	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for rain water tanks	18.00	0.21
10	Water Environment - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.27
11	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage	45.00	17.11
12	Land Environment (Solid Waste Management)	Cost for monitoring of organic manure	No set up cost is involved	0.40


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13	Energy Conservation	Solar system	95.00	5.00
14	Cost towards Disaster management	----	363.32	32.58

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:	One Entry and Exit
Parking details:	Number and area of basement:	2 Basements
	Number and area of podia:	4 Podia
	Total Parking area:	As per NBC
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	Required - 161 nos. , Provided - 816 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required - 1769 Nos. , Provided - 1773 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 mt. to 9.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category 8(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	-

Brief information of the project by SEAC

PP, Mr. Vinay Agrawal was present during the meeting along with environmental consultant M/s. Ultra-Tech. PP informed that EC was received on 29/6/2011 and now the proposal is for Amendment in EC which comprises change in Built-up Area as per FSI from 1,47,640 sq. m to 1,38,560.74 Sq. mt. and Total built up area from 3,08,392.42 Sq. mt to 2,98,219.86 Sq. mt. Total plot area remain same as 36,910.00 Sq.mt. Building configuration changes as Sale Building- 12 residential + 1 commercial: G+30 floors (No of tenements 1955) to 1 building with 11 wings (Wing A to F & H: 2B+S+4P+ 29 floors, wing G: 2B+S+3P+ 29 floors and wing I,J,K: S+2P+ 30 floors) Rental Building- 1 building (9 wings): G+23 floors (No of rental units- 2136) to 4 buildings (G+14 floors). PP informed that, they have total constructed work (FSI+ Non FSI): 2,55,777.00 Sq. mt.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project was earlier considered in 34th & 54th meeting of SEAC II. The TOR was approved in 34th SEAC II meeting. PP submitted EIA report in the meeting. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

In view of above, committee decided to refer the proposal to SEIAA/Environment Department for verification and action on above mentioned violation of EIA Notification.

Specific Conditions by SEAC:

- 1) Committee noted that, building profile and plinth which was appraised and approved by SEIAA in its 33rd & 36th meeting has been changed by project proponent while undertaking actual work ground. It was informed by PP that change in construction on ground is as per the changes approved by NAINA while approving the plans post EC.
- 2) Further committee noticed that sewer line has not been constructed by planning authority. So there is no provision at the moment to discharge the treated waste water. It was informed that, PP will treat sewage upto 5 BOD and discharge the treated water in nalla, which was not acceptable to committee.
- 3) Local body not to issue Occupancy Certificate till the time outside sewer line is completed and connection to it provided. PP to also not to handover flats till such time.
- 4) It was also noted that work of Rental building no 1,2,3,4 completed and work of sale building wing A- RCC completed, wing B- up to 7th Floor slab completed, wing C,D & E- 4th floor completed, building F- RCC completed, wing G- all 29 floors completed=, wing H- 18th floor completed and wing I,J &K- RCC up to 30 floor completed.

FINAL RECOMMENDATION

SEAC-II decided to refer the proposal to SEIAA/Environment Department for verification of above mentioned violation.

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 11 of 83	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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55th SEAC-II meeting Day-1 (28/9/2017)


SEAC Meeting number: 55 Meeting Date September 28, 2017

Subject: Environment Clearance for Environmental Clearance for Expansion of IT Knowledge Park

1.Name of Project	Expansion of IT Knowledge Park
2.Type of institution	Private
3.Name of Project Proponent	IGATE Global Solutions Ltd.
4.Name of Consultant	Ultra-Tech (Environmental Consultancy and laboratory)
5.Type of project	Expansion of IT Knowledge Park
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC vide letter dated 25/03/2014 for total construction area of 92,401.15 m2.
8.Location of the project	PLOT NO. IT3, IT4, TTC INDUSTRIAL AREA, MIDC
9.Taluka	Airoli
10.Village	Airoli
11.Area of the project	MIDC DCR
12.IOD/IOA/Concession/Plan Approval Number	Sanction Received from MIDC For Phase-I MIDC Vide Letter no- DE/MHP/(C)/IT-3&IT-4/IFMS/52882/2013 Dated 15/02/2013. For Phase-II MIDC Vide Letter no- DE/MHP(C) /IT-3&IT-4/IFMS/B -01087 Dated 31/03/2016 IOD/IOA/Concession/Plan Approval Number: Sanction Received from MIDC For Phase-I MIDC Vide Letter no- DE/MHP/(C)/IT-3&IT-4/IFMS/52882/2013 Dated 15/02/2013. For Phase-II MIDC Vide Letter no- DE/MHP(C) /IT-3&IT-4/IFMS/B -01087 Dated 31/03/2016.Sanction Obtained for FSI area : 1,58,221.24 m2 Approved Built-up Area: 275217.81
13.Note on the initiated work (If applicable)	We have constructed Phase-I as per earlier EC received vide letter SEAC-2013/CR-353/TC-1 dated 25th March, 2014.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,41,640 m2
16.Deductions	0
17.Net Plot area	1,41,640 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Existing: 55,859.31 m2 Proposed: 1,02,361.93 m2 Total : 1,58,221.24 m2 b) Non FSI area (sq. m.): Existing: 36,526.52m2 Proposed: 80,470.05m2 Total : 1,16,996.57 m2 c) Total BUA area (sq. m.): Existing :92,385.83 m2 proposed: 1,82,831.98 m2 Total: 2,75,217.81 m
19.Total ground coverage (m2)	43,589.22
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.46
21.Estimated cost of the project	11220000000

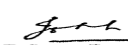
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase I- office Building-1 (constructed)	Stilt + Ground + 5 Upper Floors	30.15
2	Phase I- office Building-2 (constructed)	Stilt + Ground + 2 Upper Floors	25.50
3	Phase I- office Building-3 (constructed)	Stilt + Ground + 4 Upper Floors	29.85


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4	Phase I- office Building-4(constructed)	Stilt + Ground + 9 Upper Floors	38.25
5	Phase I- Employee relaxation centre (constructed)	Stilt + Ground + 4 Upper Floors	18.00
6	Phase I- Customer experience centre(CEC) constructed	Ground Floors	9.40
7	Phase - II- Office Building-05	4 Stilt Parking + 12 Office Floors	65.85
8	Phase - II- Office Building-06	4 Stilt Parking + 2 level cafeteria + 10 Office Floors	65.85
9	Phase - II-Cafeteria	2 FLOORS	8
10	Total: 6 office building, 1 ERC ,1 CEC and Cafeteria	--	--

23.Number of tenants and shops	06 Office Buildings, 1 ERC, 1 CEC, Cafeteria
24.Number of expected residents / users	Commercial Users: Existing (Phase -I): 8160 Nos. Proposed (Phase -II): 14004 Nos. & 3000 seats Total: 22,164 Nos. & 3000 Seats
25.Tenant density per hectare	Commercial Use
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 from the nearest fire station to the proposed building - 45 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12 m
29.Existing structure (s) if any	1. Office building 1,2,3,4, ERC and CEC as per Phase I 2.Temporary labour camp that will be demolished.
30.Details of the demolition with disposal (If applicable)	Temporary labour camp will be demolished and used for back filling

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	MIDC
	Fresh water (CMD):	578
	Recycled water - Flushing (CMD):	764
	Recycled water - Gardening (CMD):	224 and 235 HVAC
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1801
	Fire fighting - Underground water tank(CMD):	1200(Phase-1:-800 CUM + Phase 2:- 400 Cum)
	Fire fighting - Overhead water tank(CMD):	140Cum(Phase-1:-5Nos. 20cum + Phase2:- 2 Nos. of 20Cum)
	Excess treated water	00
Wet season:	Source of water	MIDC
	Fresh water (CMD):	578
	Recycled water - Flushing (CMD):	764
	Recycled water - Gardening (CMD):	0 and 235 HVAC
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1577
	Fire fighting - Underground water tank(CMD):	1200(Phase-1:-800CUM + Phase2:- 400Cum)
	Fire fighting - Overhead water tank(CMD):	140Cum(Phase-1:-5Nos. 20cum + Phase2:- 2 Nos. of 20 Cum)
	Excess treated water	00
Details of Swimming pool (If any)	Not any	

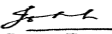
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Fresh water requirement	228	350	578	46	70	116	182	296	463
Domestic	244	520	764	49	104	153	195	416	611
Gardening	124	100	224	0	0	0	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1 m & 2.5 m	
	Size and no of RWH tank(s) and Quantity:	2 Tanks , 800 m ³ & 500 m ³	
	Location of the RWH tank(s):	At Stilt Floor	
	Quantity of recharge pits:	0	
	Size of recharge pits :	0	
	Budgetary allocation (Capital cost) :	171 Lakhs	
	Budgetary allocation (O & M cost) :	8.0 Lakhs/annum	
	Details of UGT tanks if any :	Domestic UG tank Capacity: 240 m ³ & 225 m ³ Flushing UG tank Capacity: 240 m ³ & 225 m ³ Fire UG tank Capacity: 300 m ³ - 2 Nos & 200 m ³ - 2 Nos.	
35.Storm water drainage	Natural water drainage pattern:	Project site is a flat land	
	Quantity of storm water:	3.80 m ³ /sec	
	Size of SWD:	Size of drain: Discharge point 1: 0.75 m x 1.30 m-1.239 m ³ /sec Discharge point 2: 600 mm dia pipe -0.434 m ³ /sec Discharge point 3: 0.75 m x 1.30 m-1.239 m ³ /sec Discharge point 4: 0.75 m x 0.90 m -0.744 m ³ /sec Discharge point 5: 0.75 m x 1.20 m-1.114 m ³ /sec	
Sewage and Waste water	Sewage generation in KLD:	1074	
	STP technology:	SBR	
	Capacity of STP (CMD):	400 (2 modules of 200 m ³) + 700 m ³ (2 Modules of 350)	
	Location & area of the STP:	South side of plot STP area:-1870 Sq. Mtrs.	
	Budgetary allocation (Capital cost):	193 Lakhs	
	Budgetary allocation (O & M cost):	43 lakhs/annum	
36.Solid waste Management			
Waste generation in the Pre Construction and Construction phase:	Waste generation:	135 Kg/day	
	Disposal of the construction waste debris:	land filling	
Waste generation in the operation Phase:	Dry waste:	4404 Kg/day	
	Wet waste:	1887 Kg/day	
	Hazardous waste:	Waste Oil which is generated due to usage of DG sets shall be stored and subsequently given to the authorized hazardous waste management agencies recognized by MPCB	
	Biomedical waste (If applicable):	0	
	STP Sludge (Dry sludge):	101 Kg/day	
	Others if any:	E waste generation: 7356 Kg/day	
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Mode of Disposal of waste:	Dry waste:	Authorized Agency
	Wet waste:	Composting machine
	Hazardous waste:	Will be handed over to Authorized Agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	E-waste handling:Computers, printers and accessories,Network equipments, IT accessories, Associated Electrical items handed over to M/s. Green Valley E-waste management Pvt Ltd
Area requirement:	Location(s):	Phase I and II
	Area for the storage of waste & other material:	98 m ²
	Area for machinery:	48 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	94Lakhs
	O & M cost:	11.6 Lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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


39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	2000 kVA	HSD & 360 ltr / hr.	9	73	0.5	509 degree celsius

40.Details of Fuel to be used

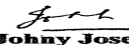
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	HSD	HSD	360 L/hr

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


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43.Green Belt Development	Total RG area :	14,302.00 ground 5,220.85 additional green area Total = 19384.85 Sq.M. On Podium : 17955.25
	No of trees to be cut :	0
	Number of trees to be planted :	2842
	List of proposed native trees :	All native
	Timeline for completion of plantation :	December 2018

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum sp.	Copper pod tree	200	Medium sized evergreen tree, fragrant yellow flowers.
2	Pongamia pinnata	Karanj	110	Shady tree.
3	Azadirachta indica	Neem	110	Large tree, good for roadside plantation
4	Mangifera indica	Mango	30	Shady fruit tree.
5	Michelia Champaca	Son Chapha	210	Medium sized evergreen tree, Shady tree. fragment flower
6	Milingtonia hortensis	Buch	194	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree.
7	Erythrina indica	Pangara	96	Medium sized deciduous tree. Bright scarlet flowers
8	Cordia Sebestena	Bokar	57	Ornamental, flowering tree
9	Lagerstroemia flosregineae	Tamhan	07	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
10	Tabebuia argentea	Trumpet tree	98	The nectar of Tabebuia flowers is an important food source for several species of bees.
11	Tabebuia rosea	Trumpet tree	102	It is a popular ornamental tree in subtropical and tropical regions, grown for its spectacular flower display on leafless shoots at the end of the dry season.
12	Bauhinia blakeana	Kanchan	174	This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers and also used as food item
13	Spathodia sp.	Pichkari	93	This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson
14	Anthocephallus cadamba	Kadam	152	Shady, large tree, ball shaped flowers
15	Terminalia catappa	Khota Badam	108	Shady tree.

16	Plumeria alba	Pandhra Chapha	115	Medium sized evergreen tree, fragrant white flowers, Butterfly host plant
17	Plumeria rubra	Red Chapha	40	Ornamental tree, Insect & butterfly attraction
18	Jacaranda mimosifolia	Neel mohar	36	Shady tree, look attractive
19	Cassia fistula	Bahava	24	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
20	Syzygium cumini	Jamun	61	Fruit bearing tree
21	Manilkara zapota	Chikku	118	Fruit bearing tree
22	Psidium guajava	Guava	63	Fruit bearing tree
23	Pisonia alba	Lettuce tree	29	Lettuce tree is a small, evergreen foliage tree or a large shrub.
24	Terminalia mentalis	-	132	Flowering tree
25	Colvillea racemosa	Colville's Glory	03	Flowering tree
26	Callistemon citrinus	Bottle brush	33	Flowering tree
27	Ficus religiosa	Pimpal	34	large dry season-deciduous or semi-evergreen tree
28	Swietenia mahagoni	Indian mahagoni	26	Mahogany is a kind of wood, the straight-grained, reddish-brown timber of three tropical hardwood species
29	Ficus benjamina	weeping fig	51	Flowering tree
30	TOTAL	--	2506	--
31	Nallah border list	--	--	--
32	Pongamia pinnata	Karanj	40	Shady tree.
33	Azadirachta indica	Neem	40	Large tree, good for roadside plantation
34	Mangifera indica	Mango	40	Shady fruit tree.
35	Michelia champaca	Sonchafa	40	Medium sized evergreen tree, Shady tree. fragment flower
36	Millingtonia hortensis	Buch	56	The tree is considered ornamental and the pleasant fragrance of the flowers renders it ideal as a garden tree.
37	Erythrina indica	Pangara	32	Medium sized deciduous tree. Bright scarlet flowers
38	Lagerstroemia flosregineae	Tamhan	10	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
39	Tabebuia argentea	Trumpet tree	18	The nectar of Tabebuia flowers is an important food source for several species of bees.
40	Jacaranda mimosifolia	Neelmohar	12	Shady tree, look attractive
41	Bauhinia blakeana	KAnchane	20	This is a very popular ornamental tree in subtropical and tropical climates, grown for its scented flowers and also used as food item
42	Spathodea campanulata	Pichkari	14	This tree is planted extensively as an ornamental tree and is much appreciated for its very showy reddish-orange or crimson

43	Syzygium cumini	JAmun	14	Fruit bearing tree
44	Total	--	336	--
45	Total	--	2506+336=2842	--

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	300 mm	75
2	HAmelia patens	450 mm	110
3	Caesaplinea pulcherrima	1000 mm	150
4	Hibiscus	600 mm	100
5	JAtropa pink	500 mm	100
6	Vitex negundo	900 mm	100
7	Stachyterphata	600 mm	150
8	Adatoda vasika	750 mm	150
9	Lemon grass	300 mm	200
10	Tulas	300 mm	150
11	Bauhinia tomentosa	1200 mm	200
12	Muraya exotica	1200 mm	200
13	Tecoma stans	1200 mm	300
14	Phyllostachys aurea	1200 mm	400
15	Bambusa ventricosa	900 mm	200
16	Crinum asiaticum	450 mm	500
17	Allamanda yellow	500 mm	150
18	Areca palm	1000 mm	400
19	Raphis excelsa	900 mm	100
20	Helliconia psittacorum	600 mm	100
21	Alpinea zerumbet	450 mm	100
22	Wedelia trilobata	200 mm	500
23	Rhoeo discolour	300 mm	300
24	Pennisetum grass	450 mm	300
25	Nerium oleander	600 mm	100
26	Tabernamontana coronaria	750 mm	100
27	Jasminum sambac	450 mm	75
28	Bougainvella torch	900 mm	50
29	Floribunda	300 mm	75

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 kVA
	During Operation phase (Connected load):	15, 574 kW
	During Operation phase (Demand load):	9420 kW
	Transformer:	6x2500 KVA
	DG set as Power back-up during operation phase:	9 of 2000 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not sny

48. Energy saving by non-conventional method:

1) Providing alternate Street lighting under Solar system.-Centralized solar plant of 700 KW. (4.5%)

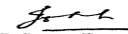
49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By using LED/ T5 fluorescent lamps to achieve maximum light with least wattage. Maximum usage of low wattage LED fixtures in office areas which consumes 32 watts against 64 watts.	4.5%
2	Providing alternate Street lighting under Solar system.	Centralized solar plant of 700 KW. (4.5%)
3	By using LED lamps for street lighting.	0.3%
4	By using low loss energy efficient Transformers.	1.3%
5	By using Occupancy Sensors in cabins and toilets.	0.4%
6	By using Lux Sensors near windows for day light sensing.	0.2%
7	By using TFT/LED monitors instead of CRT tubes and computers with sleep mode facility	1.4%
8	By using energy efficient UPS systems	3.6%
9	By using VVVF Non gear lifts.	0.4%
10	By using energy efficient / load sharing DG sets.	1.1%
11	HVAC & BMS Energy saving features	--
12	• Heat recovery system for AHU	674128 KWH/YEAR(5%)
13	• VFD for pumps and fans	1470875 KWH/YEAR(10%)
14	• Demand controlled ventilation	258300 KWH/YEAR(3%)
15	• Intelligent and efficient chillers	1210781 KWH/YEAR(8%)
16	BMS scheduling and control	2511250 KWH/YEAR(18%)


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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	400 (2 modules of 200 m3)	700 m3(2 Modules of 350)
OWC	Phase I	Composting Machine
DG Set	4 DG sets of 2000 kVA	5 DG set of 2000 kVA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	702 Lakhs
	O & M cost:	65.20 Lakhs/annum


51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Tanker water for construction, water monitoring	4.92
2	Air	Water For Dust Suppression ,air and noise monitoring	2.61
3	soil	gardening	1.68
4	Socio	Safety, First Aid, Health Hygiene Facilities, Disinfection at site,Health Check Up,Crèches for children,Personal Protective Equipment,CFL lamps for labor hutments	36.39
5	Site sanitation	Mobile toilets	5.54
6	Energy Conservation	CFL for labor huts and LPG	3.12
7	Total	--	54.26

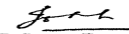
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	STP	193	43
2	water and waste water Monitoring	water and waste water Monitoring	--	9.85
3	Water- Conservation	RWH tank	171	8.00
4	Rain water monitoring	Rain water monitoring	--	0.04
5	Land	Solid waste	94	11.68
6	OWC manure	Monitoring of OWC manure	--	0.08
7	Energy conservation	Solar systems	415	10.60
8	Disaster Management Plan	Cost for DMP units	2760	276
9	Building Management System	Cost for BMS	720	90
10	Ambient Air and Noise monitoring	--	--	1.10


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11	Air	D.G Stack Exhaust monitoring	--	0.24
12	Biological environment	Gardening	240	36
13	Total	--	4593	486.51

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
Parking details:	Number and area of basement:	0
	Number and area of podia:	4 podium
	Total Parking area:	Phase01 - 30994.64 Sq.Mts. Phase02 - 60654.95 Sq.Mts. Total - 91654.59 Sq.Mts.
	Area per car:	33 Sq.Mts.
	Area per car:	33 Sq.Mts.
	Number of 2-Wheelers as approved by competent authority:	340
	Number of 4-Wheelers as approved by competent authority:	4271 Nos
	Public Transport:	2.50 Km Airoli Bus depot
	Width of all Internal roads (m):	Minimum 12 m.
	CRZ/ RRZ clearance obtain, if any:	Not any
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park-within 5 Km aerial distance.


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	Category as per schedule of EIA Notification sheet	8 a (B1)
	Court cases pending if any	No
	Other Relevant Informations	Online application was done on 17.11. 2015 and project was recommended in 50 PART B SEAC II. The Project is ECBC compliant. EIA has been attached and annexures are attached as a separate document.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-11-2015

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0120000033

55th SEAC-II meeting Day-1 (28/9/2017)


SEAC Meeting number: 55 Meeting Date September 28, 2017

Subject: Environment Clearance for Development of Residential cum Commercial project Puraniks City Reserva (Earlier known as Puranik City Phase IV) at 3(67)/1, 3(67)/2, (17pt)/1/4, (17pt)/1/5, (17pt)/1/11, (17pt)/1/12, 42(55)/1A, 42(55)/1B of Village- Mogharpada, 52/1, 52/2, 53/1, 53/2, 53/3, 53/4, 53/5, 54/1, 54/2, 54/3, 54/4, 55/1 of Village- Vadavali, Thane (W)

1.Name of Project	M/S. PURANIK BUILDERS PVT. LTD.
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Shailesh Puranik, M/S. PURANIK BUILDERS PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Obtained EC vide letter No. F. No./21-58/2014.IA.III dated. 18th June 2015 for the plot area 46,810.05 m2 having FSI 59,616.54 m2 & the Total Construction area 1,49,033.33 m2. We have purchased the adjacent plot (Survey numbers 53/3, 54/4). Now the total plot area is 48,109.65 m2 & total construction area is 1,97,006.90 m2. Hence we have applied for Expansion in prior Environmental clearance.
8.Location of the project	Development of Residential cum Commercial project Puraniks City Reserva (Earlier known as Puranik City Phase IV) at 3(67)/1, 3(67)/2, (17pt)/1/4, (17pt)/1/5, (17pt)/1/11, (17pt)/1/12, 42(55)/1A, 42(55)/1B of Village- Mogharpada, 52/1, 52/2, 53/1, 53/2, 53/3, 53/4, 53/5, 54/1, 54/2, 54/3, 54/4, 55/1 of Village- Vadavali, Thane (W)
9.Taluka	Thane
10.Village	Vadavali, Thane (W)
11.Area of the project	Thane Municipal corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	Approved Plan V.P. No. S06/0218/15 TMC/TD.DP/TPS/1852/16 dated 23.6.2017 IOD/IOA/Concession/Plan Approval Number: Approved Plan V.P. No. S06/0218/15 TMC/TD.DP/TPS/1852/16 dated 23.6.2017 Approved Built-up Area: 78496.34
13.Note on the initiated work (If applicable)	Plinth completed for Buildings T4, T5
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved Plan V.P. No. S06/0218/15 TMC/TD.DP/TPS/1852/16 dated 23.6.2017
15.Total Plot Area (sq. m.)	48,109.65 m2
16.Deductions	10684.59 m2
17.Net Plot area	37,425.06 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 89,065.35 m2 b) Non FSI area (sq. m.): 107941.55 m2 c) Total BUA area (sq. m.): 197006.90
19.Total ground coverage (m2)	17,085 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.65%
21.Estimated cost of the project	6350000000

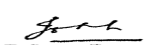
22.Number of buildings & its configuration


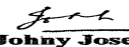
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. T1	LG+ UG+ Stilt + 40th floors	126.15 m
2	Bldg. T2	LG+ UG+ Stilt + 45th floors	140.40 m
3	Bldg. T3	LG+ UG+ Stilt + 45th floors	140.40 m
4	Bldg. T4	LG+ UG+ Stilt + 35th floors	111.90 m
5	Bldg. T5	LG+ UG+ Stilt + 35th floors	111.90 m


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6	Commercial	Ground	-	
7	Bungalows (2 Nos)	G+1st floor	7.80 m	
23.Number of tenants and shops	Flats: 1,560 Nos Bungalows: 2 Nos. Commercial Area: 1,020.61 m ²			
24.Number of expected residents / users	7,912 Nos.			
25.Tenant density per hectare	418/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))	40 m & 20.0 m wide DP Road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m			
29.Existing structure (s) if any	NA			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				
Dry season:	Source of water	TMC		
	Fresh water (CMD):	704 KLD		
	Recycled water - Flushing (CMD):	355 KLD		
	Recycled water - Gardening (CMD):	40 KLD		
	Swimming pool make up (Cum):	NA		
	Total Water Requirement (CMD) :	1,059 KLD		
	Fire fighting - Underground water tank(CMD):	As per CFO NOC		
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC		
	Excess treated water	584 KLD		
 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 28, 2017		Page 25 of 83	 Johny Joseph Shri. Johny Joseph (Chairman SEAC-II)

Wet season:	Source of water	TMC + RWH
	Fresh water (CMD):	602 + 102 KLD
	Recycled water - Flushing (CMD):	355 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,059 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	624 KLD

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

34.Rain Water Harvesting (RWH)

Level of the Ground water table:	3-4 m
Size and no of RWH tank(s) and Quantity:	4 RWH tank with total capacity: 233 m3
Location of the RWH tank(s):	Under Ground
Quantity of recharge pits:	NA
Size of recharge pits :	NA
Budgetary allocation (Capital cost) :	Rs. 54.0 Lakh
Budgetary allocation (O & M cost) :	Rs. 3.0 Lakh/year
Details of UGT tanks if any :	Underground

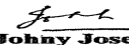
35.Storm water drainage

Natural water drainage pattern:	Towards South side of the plot
Quantity of storm water:	3,527.43 m3/hr
Size of SWD:	450 mm wide X 600 mm depth


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Sewage and Waste water	Sewage generation in KLD:	988 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	Capacity of STP:- Total 1,000 KLD (STP1: 200 KLD, STP2: 450 KLD, STP3: 350 KLD)
	Location & area of the STP:	Ground (Area provided: STP 1: 150 m2, STP 2: 350 m2, STP 3: 260 m2)
	Budgetary allocation (Capital cost):	Rs. 200 Lakh
	Budgetary allocation (O & M cost):	Rs. 40 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction Debris: 5,358 m3
	Disposal of the construction waste debris:	Top soil will be preserved and used for landscaping. The construction debris will be utilized at site for Road Paving and plinth filling.
Waste generation in the operation Phase:	Dry waste:	1,569 Kg/d
	Wet waste:	2,353 Kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 KLD
	Others if any:	Household E-waste generation
Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	Total: 125 m2
	Area for machinery:	Total: 90 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 96 Lakh
	O & M cost:	Rs. 38 Lakh/Year

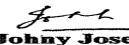
37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			


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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 :	8033.61 m2
	No of trees to be cut :	As per Tree NOC dated 12.1.2017, No. of trees on site: 46 Nos & Trees to be cut: 8 Nos.
	Number of trees to be planted :	Trees to be transplanted: 38 Nos. Compensatory Trees to be planted: 230 Nos. Total 535+230 Nos. of trees will be planted in RG area & along Plot boundary.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	2 Years

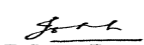
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstromia Reginea	Taaman	35	Official state tree
2	Saraca indica	Sita Ashok	32	Hardly evergreen tree, grows well in warm climate
3	Butea Monosperma	Palash	42	Medium deciduous tree with bright flowers
4	Anthocephalus kadamba	Kadamb	45	Deciduous tree, large foliage & beautiful tree
5	Azadirachta Indica	Neem	35	Hardy evergreen tree, has medicinal properties


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6	Murraya exotica	Kunti	40	Small, evergreen tree, good for gardens
7	Magnolia Champaca	Chafa	45	Ornamental flowering tree, hardy in nature
8	Erythrina indica	Pangara	42	Medium sized deciduous tree. Bright scarlet flowers.
9	Murraya Koenigii	Curry Leaves	25	Evergreen tree, has medicinal properties
10	Bauhinia racemosa	apta	32	Small tree with small white flowers, Butterfly host plant
11	Michelia champaca	Son Chafa	42	Medium sized evergreen tree, fragrant yellow flowers
12	Cassia fistula	Bahava	35	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
13	Alstonia scholaris	Satvin	35	Shady, large evergreen tree, white fragrant flowers
14	Pongamia pinnata	Karanj	40	Shady tree
15	Albizia lebbeck	Shirij	35	Shady tree, yellowish green fragrant flowers
16	Erythrina Variegata	Coral Tree	42	Deciduous flowering tree, quick growing tree
17	Phyllanthus Emblica	Amla	30	Fruit tree attracting birds
18	Manilkara Zapota	Chicu	25	Fruit tree attracting birds
19	Tamarindus Indica	Tamarind	35	Large fruit tree attracting birds
20	Syzygium Cumini	Jaamun Tree	38	Fruit tree attracting birds
21	Ailanthus excelsa	Maharukh	35	Large tree, good for roadside plantation

45.Total quantity of plants on ground

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

Serial Number	Name	C/C Distance	Area m2
1	Chitrak - Plumbago Capensis	-	-
2	Raphis Palm - Raphis Palm	-	-
3	Adulsa - Adhatoda Vasica	-	-
4	Kardal - Canna Dwarf	-	-

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	425 kW
	DG set as Power back-up during construction phase	Total 605 kVA (D.G - 1 for Crane & Lift - 200 kVA, D.G - 2 for Crane & Lift (Optional) -180 kVA, D.G - 3 for Water Pump, Construction Equipment - 200 kVA, D.G - 4- Lighting- 25 kVA)
	During Operation phase (Connected load):	8.5 MW
	During Operation phase (Demand load):	6.8 MW
	Transformer:	6X990 kVA
	DG set as Power back-up during operation phase:	DG Set capacity Total: 765 kVA (1X140 kVA, 1X250 kVA, 1X200 kVA, 1X100 kVA, 1X75 kVA)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Solar lighting in common areas, garden and road
- Solar hot water for residential buildings
- Energy efficient lighting fixtures (LED lights) to all buildings
- Energy Efficient multi-speed pumps & Motors for STP, UG & FF.
- Energy efficient lifts

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	21.20%
2	Energy saving through renewable energy source	14.57%

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. 80 lakh
	O & M cost:	Rs. 4.0 Lakh/year

51. Environmental Management plan Budgetary Allocation

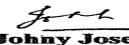
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	8
2	Site sanitation (Toilets)	-	12


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3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	8
4	Potable Water Supply to Labour Camp	-	6
5	Health check-up & first aid	-	6
6	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	12
7	Traffic Management	Sign Boards, Persons at entry exit and Parking area	4
8	Safety nets	-	10
9	Tyre cleaning and Vehicle maintenance	-	4.5
10	Solid Waste Management & Site maintenance activity	-	3.5
11	Safety - Training to Workers (Twice in Year), Safety Officer	-	6.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	200	40
2	Solar Hot Water	Monthly	80	4
3	Rain Water Harvesting	Only for filtration plant.	54	3
4	Solid waste Composting plant	Continuous O & M	96	38
5	Landscape	Daily	80	12
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

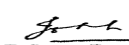
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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:	40 m & 20.0 m wide DP Road
Parking details:	Number and area of basement:	NA
	Number and area of podia:	2 Podium
	Total Parking area:	Stilt/Podium: 46,227.59 m ² & Parking tower: 12500 m ²
	Area per car:	Parking tower + Podium/stilt parking
	Area per car:	Parking tower + Podium/stilt parking
	Number of 2-Wheelers as approved by competent authority:	Required 2W: 1,560 Nos & provided: 1,560 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required 4W: 1,509 Nos & provided: 1,874 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is 1.4 km away from Sanjay Gandhi National Park. As per MoEF&CC ESZ Notification No. S.O. 3645(E) dated 05.12.2016 our site is outside eco sensitive zone i.e. (100 m) & at a distance of 2.0 km. Hence the clearance from the standing committee of NBWL is not required.
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	07-07-2017

Brief information of the project by SEAC

 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 32 of 83	 Shri. Johnny Joseph (Chairman SEAC-II)
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PP, MS. Ameeta Ambeka was present during the meeting along with environmental consultant M/s D.A Patil; Mahabal Enviro Engineers Pvt.Ltd.

PP informed that EC was received vide letter No. F. No./21-58/2014.IA.III dated 18th June 2015 for the plot area 46,810.05 sq. m having FSI 59,616.54 sq. m. Total Construction area is 1,49,033.33 sq. m. Proposal is for expansion of the project as PP has purchased the adjacent plot (Survey numbers 53/3, 54/4). PP stated that now the total plot area is 48,109.65 sq. m & total construction area is 1,97,006.90 sq.m. (FSI- 89,065.35 sq.mt + Non FSI- 107941.55 sq.mt) hence, applied for Expansion.

PP informed that, they have total constructed work (FSI+ Non FSI): 2,55,777.00 Sq. mt. as per received the Environment Clearance dated 18th June 2015. Committee noted that, the presentation is on conceptual plan comprising 1.4 TDR, 0.3 paid FSI and new plot area admeasuring 1299.6 Sq.m

The project proposal was discussed on the basis of the draft ToR for expansion of the residential and commercial project, presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC


After discussion, ToR presented by PP was approved with following additional ToR in the same:

Specific Conditions by SEAC:

- 1) Full potential LOI has to be submitted by PP with EIA.
- 2) PP stated that no wetland or CRZ area is involved in the project.
- 3) Proposed expansion is vertical with 1 addition of 2 bunglow.
- 4) PP to present & upload Comparative Statement/Status of EC conditions and proposed expansion.
- 5) PP to present change in Environmental base line (for critically important parameters)
- 6) Water requirement should be as per NBC norms. PP to submit detail water budget indicating recycled water, reused water & fresh water requirement for the proposed expansion.
- 7) Commitment letter from TMC for water supply and time frame for sewer line construction.
- 8) Committed noted that currently there is no sewer line in place therefore BOD of waste water should be less than 5 mg/lit and submit detail scheme of recycle/reuse of treated water to be generated in the project cycle.
- 9) PP to submit Shadow analysis, traffic analysis, SWEPT PATH analysis.
- 10) PP to ensure that Renewable energy component should be 20% of net demand.
- 11) PP to take measures to reduce heat island effect with quantification. Present details of method employed for the same.
- 12) Committee asked PP to explore the use of grass/garden paver blocks instead of cement concrete layer on open areas except RG area. Details of area etc to be submitted
- 13) PP to submit & upload the project specific qualitative and quantitative EMP & DMP.
- 14) PP to submit details of fire fighting mechanism by SWEPT PATH analysis for cars & fire tender movement.
- 15) PP to submit corrected CS with EIA
- 16) PP to submit details of parking and its nature, type etc, area per car area as per NBC. Number of two wheelers, cycle as per DCR norms etc. Chart should be provided with standards and provisions.
- 17) PP to also refer ToR standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
- 18) PP to upload the building plans, duly stamped & signed, submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpch.in

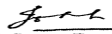
FINAL RECOMMENDATION

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.


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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**Shri. Johnny Joseph
(Chairman SEAC-II)**

55th SEAC-II meeting Day-1 (28/9/2017)


SEAC Meeting number: 55 Meeting Date September 28, 2017

Subject: Environment Clearance for Proposed Residential Cum Commercial Project "Rajhans Kshitij" on Land bearing S.No.71 H.No.1, 2, 3, 4, 5, 6, 7, 8; S.No.72 H.No.1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15; S.No.73 H.No.8, 9, 10, 11(Pt); S.No.74 H.No.1, 2, 3, 4, 5, 7, 10, 11, 14, 15, 16, 17A, 18, 19, &20; S.No.74A H.No.17A; S.No.75 H.No.1, 2, 3, 4, 5A, 5B, 6, 7, 8; S.No.76 H.No.16A, 16B, 17; S.No.77 H.No.1A, 1B, 2, 3, 4, 6; S.No.78 H.No.1, 2, 7, 8, 9, 10/1, 10/2, 10/3, 11, 12, 13, 14, 15, 16 at Village Manickpur; S.No.

1.Name of Project	Ajmera Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jayesh B. Ajmera
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Residential & Commercial Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Residential & Commercial Project
8.Location of the project	At Land bearing S.No.71 H.No.1, 2, 3, 4, 5, 6, 7, 8; S.No.72 H.No.1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15; S.No.73 H.No.8, 9, 10, 11(Pt); S.No.74 H.No.1, 2, 3, 4, 5, 7, 10, 11, 14, 15, 16, 17A, 18, 19, &20; S.No.74A H.No.17A; S.No.75 H.No.1, 2, 3, 4, 5A, 5B, 6, 7, 8; S.No.76 H.No.16A, 16B, 17; S.No.77 H.No.1A, 1B, 2, 3, 4, 6; S.No.78 H.No.1, 2, 7, 8, 9, 10/1, 10/2, 10/3, 11, 12, 13, 14, 15, 16 at Village Manickpur; S.No.119 H.No.3A, 3B; S.No.121 H.No.1, 2, 5, 6A,6B, 7, 8A, 8B, 9, 10, 11, 12A, 12B, 13; S.No.122 H.No.2/2; S.No.124 H.No. 4, 5, 6, 7, 11, 12, 13; S.No.125 H.No.1, 2, 3, 4A, 4B, 4C, 5, 6, 7A, 7B; S.No.126 H.No.1, 2, 3A, 3B, 4, 5, 6, 7/1, 7/2, 8; S.No.127 H.No.1, 2, 3, 4, 5; S.No.128 H.No.1/1, 1/2, 2, 4, 5, 6, 7, 8A, 8B; S.No.129 H.No. 1, 2, 5, 6, 7, 8, 9 at village Diwanman, Ta.Vasai, Dist.Palghar
9.Taluka	Vasai
10.Village	Diwanman
11.Area of the project	Vasai-Virar Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plan approved from VVMC vide no. VVMC/TP/2457/2016 dt 10/10/2016 IOD/IOA/Concession/Plan Approval Number: Plan approved from VVMC vide no. VVMC/TP/2457/2016 dt 10/10/2016 Approved Built-up Area: 133554.58
13.Note on the initiated work (If applicable)	No work has been started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan approved from VVMC vide no. VVMC/TP/2457/2016 dt 10/10/2016
15.Total Plot Area (sq. m.)	1,15,390.0 m2
16.Deductions	54,775.79 m2
17.Net Plot area	60,614.21 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,33,554.58 m2 b) Non FSI area (sq. m.): 1,22,311.33 m2 c) Total BUA area (sq. m.): 255865.41
19.Total ground coverage (m2)	21081.753
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.27 %
21.Estimated cost of the project	3700000000

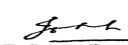
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Building No. 4 (2 Wings)	St + 14 Floors	45.00 m


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Member Secretary
SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

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2	Residential Building No. 5 (6 Wings)	St + 14 Floors	45.00 m
3	Residential Building No. 6 (5 Wings)	St + 14 Floors	45.00 m
4	Residential Building No. 7 (8 Wings)	St + 14 Floors	45.00 m
5	Residential Building No. 8 (3 Wings)	St + 14 Floors	45.00 m
6	Residential Building No. 9 (6 Wings)	St + 7 Floors	45.00 m
7	C. F.C Building	St + 4 Floors	45.00 m
8	CC Building	St + 4 Floors	45.00 m
9	Market Building	St + 4 Floors	45.00 m
10	HS/PS Building	St + 7 Floors	45.00 m

23.Number of tenants and shops	Flats : 1682, Shops :74
24.Number of expected residents / users	Residential, School, Market, Community Hall, Shops, C.C, Total: 19371 Nos.
25.Tenant density per hectare	280 per 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))	Proposed site is accessible by 40 m and 20 m wide D. P. Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

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

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 35 of 83	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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Dry season:	Source of water	Vasai-Virar Municipal Corporation							
	Fresh water (CMD):	922							
	Recycled water - Flushing (CMD):	707 KLD							
	Recycled water - Gardening (CMD):	69 KLD							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	1629 KLD							
	Fire fighting - Underground water tank(CMD):	As per NBC							
	Fire fighting - Overhead water tank(CMD):	As per NBC							
	Excess treated water	745 KLD							
Wet season:	Source of water	Vasai-Virar Municipal Corporation							
	Fresh water (CMD):	489							
	Recycled water - Flushing (CMD):	707 KLD							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	1629							
	Fire fighting - Underground water tank(CMD):	As per NBC							
	Fire fighting - Overhead water tank(CMD):	As per NBC							
	Excess treated water	745 KLD							
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	4-5 m
	Size and no of RWH tank(s) and Quantity:	RWH : 6 tank will be provided with total capacity 870 m ³
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Ground
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	95 Lakh
	Budgetary allocation (O & M cost) :	7 Lakh
	Details of UGT tanks if any :	Ground
35. Storm water drainage	Natural water drainage pattern:	Towards North west side of the plot
	Quantity of storm water:	14680.60 m ³ /hr
	Size of SWD:	0.3 x 0.45 m, 0.45 x 0.6 m, 0.6 x 0.9 m, 0.9 x 1.2 m
Sewage and Waste water	Sewage generation in KLD:	1536 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total STP Capacity 1650 KLD
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	330 Lakh
	Budgetary allocation (O & M cost):	66 Lakh
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction Debris quantity: 7430 m ³
	Disposal of the construction waste debris:	The construction debris will be utilized at site for site formation
Waste generation in the operation Phase:	Dry waste:	2559 kg/day
	Wet waste:	3838 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15m ³ /day
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening.
	Others if any:	NA
Area requirement:	Location(s):	Location: Ground
	Area for the storage of waste & other material:	500 m ²
	Area for machinery:	132 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	90 Lakh
	O & M cost:	40 Lakh

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

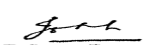
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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


 (Dr. B. N. Patil)
 Member Secretary
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43.Green Belt Development	Total RG area :	RG on ground: 11664.57 m2, RG on Podium: 2232.18 m2
	No of trees to be cut :	-
	Number of trees to be planted :	No of trees to be planted: 713 nos.
	List of proposed native trees :	As below
	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	Cassia fistula	Bahava	67	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	Mimusops elengi	Bakul	69	Shady tree, small white fragrant flowers
3	Nyctanthes arbor-tristis	Parijatak	61	Small deciduous fast growing tree, beautiful flowerers.
4	Lagerstroemia flos-regineae	Tamhan	58	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Murraya paniculata	Kunti	71	Small tree, Fragrant white flowers, Butterfly host plant
6	Saraca asoka	Sita Ashok	55	Shady tree with red-yellow flowers.
7	Bombax ceiba	Kate sawar	65	Large deciduous tree. Flowers attract many birds.
8	Erythrina indica	Pangara	67	Medium sized deciduous tree. Bright scarlet flowers.
9	Michelia champaca	Son chafa	67	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Putranjiva roxburghii	Putranjiva	65	Medium sized evergreen tree
11	Anthocephallus cadamba	Kadamb	68	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	300 kVA
	DG set as Power back-up during construction phase	300 kVA
	During Operation phase (Connected load):	21.8 MW
	During Operation phase (Demand load):	12.8 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	4 DG sets of total : 2800 kVA Capacity
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	no

48. Energy saving by non-conventional method:

- ? Energy efficient lighting using T5 lamps, CFLs in offices and LEDs in Lift Lobby, Toilets & Core area Passages
- ? Solar lighting on street and RG area
- ? Use of high energy efficient pumps for fire fighting, UG tanks and STP
- ? Solar Hot water for Residential buildings

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	21.52 %

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:	225 Lakh
	O & M cost:	20 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 spray for dust suppression	-	12
2	Site sanitation	-	10

3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	5
4	Disinfection	-	3
5	Health check-up & first aid	-	6
6	Safety Personal Protective Equipment	-	12
7	Traffic Management	-	5
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	3
10	Safety Training to Workers	-	8
11	Total	-	84

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	330	66
2	Solar System	Weekly	225	20
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	95	7
4	Solid Waste Composting plant	Continuous O & M	90	40
5	Landscape	Daily	140	20
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4
7	Total Cost	-	880	157

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

 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 41 of 83	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
DR. B.N.Patil (Secretary SEAC-II)			


	Nos. of the junction to the main road & design of confluence:	The proposed site is accessible by 40 m and 20 m wide D. P. Road.
Parking details:	Number and area of basement:	-
	Number and area of podia:	Podium For Building No. 5 , 6 & 7 for parking
	Total Parking area:	54988 m2 (Open, podium below and Stilt Parking)
	Area per car:	28.3 m2
	Area per car:	28.3 m2
	Number of 2-Wheelers as approved by competent authority:	2095 nos.
	Number of 4-Wheelers as approved by competent authority:	1832 nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 12 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 (b)
	Court cases pending if any	-
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

DECISION OF SEAC


PP vide letter dated 26/9/2017 informed the committee that they have received the EC, therefore project delisted from SEAC-II list.

Specific Conditions by SEAC:


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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**Shri. Johnny Joseph
(Chairman SEAC-II)**

FINAL RECOMMENDATION

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

SEAC-AGENDA-00000000033



(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)

**DR. B.N.Patil (Secretary
SEAC-II)**

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**Shri. Johnny Joseph
(Chairman SEAC-II)**

55th SEAC-II meeting Day-1 (28/9/2017)


SEAC Meeting number: 55 Meeting Date September 28, 2017

Subject: Environment Clearance for Proposed Residential Cum Commercial Project "Rajhans Kshitij" on Land bearing S.No.71 H.No.1, 2, 3, 4, 5, 6, 7, 8; S.No.72 H.No.1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15; S.No.73 H.No.8, 9, 10, 11(Pt); S.No.74 H.No.1, 2, 3, 4, 5, 7, 10, 11, 14, 15, 16, 17A, 18, 19, &20; S.No.74A H.No.17A; S.No.75 H.No.1, 2, 3, 4, 5A, 5B, 6, 7, 8; S.No.76 H.No.16A, 16B, 17; S.No.77 H.No.1A, 1B, 2, 3, 4, 6; S.No.78 H.No.1, 2, 7, 8, 9, 10/1, 10/2, 10/3, 11, 12, 13, 14, 15, 16 at Village Manickpur; S.No.

1.Name of Project	Ajmera Developers
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jayesh B. Ajmera
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Residential & Commercial Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Residential & Commercial Project
8.Location of the project	At Land bearing S.No.71 H.No.1, 2, 3, 4, 5, 6, 7, 8; S.No.72 H.No.1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15; S.No.73 H.No.8, 9, 10, 11(Pt); S.No.74 H.No.1, 2, 3, 4, 5, 7, 10, 11, 14, 15, 16, 17A, 18, 19, &20; S.No.74A H.No.17A; S.No.75 H.No.1, 2, 3, 4, 5A, 5B, 6, 7, 8; S.No.76 H.No.16A, 16B, 17; S.No.77 H.No.1A, 1B, 2, 3, 4, 6; S.No.78 H.No.1, 2, 7, 8, 9, 10/1, 10/2, 10/3, 11, 12, 13, 14, 15, 16 at Village Manickpur; S.No.119 H.No.3A, 3B; S.No.121 H.No.1, 2, 5, 6A, 6B, 7, 8A, 8B, 9, 10, 11, 12A, 12B, 13; S.No.122 H.No.2/2; S.No.124 H.No. 4, 5, 6, 7, 11, 12, 13; S.No.125 H.No.1, 2, 3, 4A, 4B, 4C, 5, 6, 7A, 7B; S.No.126 H.No.1, 2, 3A, 3B, 4, 5, 6, 7/1, 7/2, 8; S.No.127 H.No.1, 2, 3, 4, 5; S.No.128 H.No.1/1, 1/2, 2, 4, 5, 6, 7, 8A, 8B; S.No.129 H.No. 1, 2, 5, 6, 7, 8, 9 at village Diwanman, Ta.Vasai, Dist.Palghar
9.Taluka	Vasai
10.Village	Diwanman
11.Area of the project	Vasai-Virar Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plan approved from VVMC vide no. VVMC/TP/2457/2016 dt 10/10/2016 IOD/IOA/Concession/Plan Approval Number: Plan approved from VVMC vide no. VVMC/TP/2457/2016 dt 10/10/2016 Approved Built-up Area: 133554.58
13.Note on the initiated work (If applicable)	No work has been started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan approved from VVMC vide no. VVMC/TP/2457/2016 dt 10/10/2016
15.Total Plot Area (sq. m.)	1,15,390.0 m2
16.Deductions	54,775.79 m2
17.Net Plot area	60,614.21 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1,33,554.58 m2 b) Non FSI area (sq. m.): 1,22,311.33 m2 c) Total BUA area (sq. m.): 255865.41
19.Total ground coverage (m2)	21081.753
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.27 %
21.Estimated cost of the project	3700000000

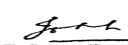
22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential Building No. 4 (2 Wings)	St + 14 Floors	45.00 m


(Dr. B. N. Patil)
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2	Residential Building No. 5 (6 Wings)	St + 14 Floors	45.00 m
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25.Tenant density per hectare	280 per 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))	Proposed site is accessible by 40 m and 20 m wide D. P. Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

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Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
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32.Total Water Requirement

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 45 of 83	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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	Excess treated water	745 KLD							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
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Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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	Size of recharge pits :	NA
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	Wet waste:	3838 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15m3/day
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening.
	Others if any:	NA
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	Area for machinery:	132 m ²
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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
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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
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40. Details of Fuel to be used

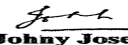
Serial Number	Type of Fuel	Existing	Proposed	Total
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41. Source of Fuel	Not applicable
42. Mode of Transportation of fuel to site	Not applicable


 (Dr. B. N. Patil)
 Member Secretary
 SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

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Johnny Joseph
 Shri. Johnny Joseph
 (Chairman SEAC-II)

43.Green Belt Development	Total RG area :	RG on ground: 11664.57 m2, RG on Podium: 2232.18 m2
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2	Mimusops elengi	Bakul	69	Shady tree, small white fragrant flowers
3	Nyctanthes arbor-tristis	Parijatak	61	Small deciduous fast growing tree, beautiful flowerers.
4	Lagerstroemia flos-regineae	Tamhan	58	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Murraya paniculata	Kunti	71	Small tree, Fragrant white flowers, Butterfly host plant
6	Saraca asoka	Sita Ashok	55	Shady tree with red-yellow flowers.
7	Bombax ceiba	Kate sawar	65	Large deciduous tree. Flowers attract many birds.
8	Erythrina indica	Pangara	67	Medium sized deciduous tree. Bright scarlet flowers.
9	Michelia champaca	Son chafa	67	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Putranjiva roxburghii	Putranjiva	65	Medium sized evergreen tree
11	Anthocephallus cadamba	Kadamb	68	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	300 kVA
	DG set as Power back-up during construction phase	300 kVA
	During Operation phase (Connected load):	21.8 MW
	During Operation phase (Demand load):	12.8 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	4 DG sets of total : 2800 kVA Capacity
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	no

48. Energy saving by non-conventional method:

- ? Energy efficient lighting using T5 lamps, CFLs in offices and LEDs in Lift Lobby, Toilets & Core area Passages
- ? Solar lighting on street and RG area
- ? Use of high energy efficient pumps for fire fighting, UG tanks and STP
- ? Solar Hot water for Residential buildings

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	21.52 %

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:	225 Lakh
	O & M cost:	20 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 spray for dust suppression	-	12
2	Site sanitation	-	10

3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	5
4	Disinfection	-	3
5	Health check-up & first aid	-	6
6	Safety Personal Protective Equipment	-	12
7	Traffic Management	-	5
8	Safety nets	-	20
9	Tyre cleaning and Vehicle maintenance	-	3
10	Safety Training to Workers	-	8
11	Total	-	84

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	330	66
2	Solar System	Weekly	225	20
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	95	7
4	Solid Waste Composting plant	Continuous O & M	90	40
5	Landscape	Daily	140	20
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4
7	Total Cost	-	880	157

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

 (Dr. B. N. Patil) Member Secretary SEAC (MMR)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 51 of 83	 Johnny Joseph Shri. Johnny Joseph (Chairman SEAC-II)
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	Nos. of the junction to the main road & design of confluence:	The proposed site is accessible by 40 m and 20 m wide D. P. Road.
Parking details:	Number and area of basement:	-
	Number and area of podia:	Podium For Building No. 5 , 6 & 7 for parking
	Total Parking area:	54988 m2 (Open, podium below and Stilt Parking)
	Area per car:	28.3 m2
	Area per car:	28.3 m2
	Number of 2-Wheelers as approved by competent authority:	2095 nos.
	Number of 4-Wheelers as approved by competent authority:	1832 nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 12 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 (b)
	Court cases pending if any	-
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

DECISION OF SEAC

PP vide letter dated 26/9/2017 informed the committee that they have received the EC, therefore project delisted from SEAC-II list.

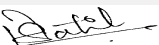
Specific Conditions by SEAC:

 <small>(Dr. B. N. Patil) Member Secretary SEAC (MMR)</small> DR. B.N.Patil (Secretary SEAC-II)	SEAC Meeting No: 55 Meeting Date: September 28, 2017	Page 52 of 83	 Shri. Johnny Joseph (Chairman SEAC-II)
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FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC-AGENDA-00000000033



(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)

**DR. B.N.Patil (Secretary
SEAC-II)**

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**Shri. Johnny Joseph
(Chairman SEAC-II)**

55th SEAC-II meeting Day-1 (28/9/2017)

SEAC Meeting number: 55 Meeting Date September 28, 2017


Subject: Environment Clearance for Amendment and Expansion in Residential cum Commercial project

1.Name of Project	MAAD REALTORS & INFRA LTD.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Abhishek Singh, Maad Realtors & Infra Ltd.
4.Name of Consultant	Dr. D .A. Patil, Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment and Expansion in Residential cum Commercial project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC Granted Ref No. SEAC-2016/C. R. 166/TC-1 Dt. 02/02/2017 (FSI Area: 1,50,724.58 m2, Non FSI Area: 59,309.06, Total Construction area: 2,10,033.64)
8.Location of the project	S. No. 91 (Old) 52 (New) & 92 (Old) 54(New) at Village Khairagaon & S.No.105 at Village Saravali - Boisar, and MIDC Plot No. RH - 81, At Tarapur Industrial Area, Boisar, Tal. & Dist Palghar, Maharashtra.
9.Taluka	Palghar
10.Village	Bhoisar
11.Area of the project	Boisar MIDC & Town Planning, Palghar
12.IOD/IOA/Concession/Plan Approval Number	? 1st Approval dated: 21.08.2009 ? 2nd Approval dated: 03.06.2011 ? 3rd Approval Order No.- 163 dated: 04.06.2014 ? MIDC R.H.-81 Approval date -19/01/2015 Order No.- A-21395/2015 IOD/IOA/Concession/Plan Approval Number: ? 1st Approval dated: 21.08.2009 ? 2nd Approval dated: 03.06.2011 ? 3rd Approval Order No.- 163 dated: 04.06.2014 ? MIDC R.H.-81 Approval date -19/01/2015 Order No.- A-21395/2015 Approved Built-up Area: 223751.02
13.Note on the initiated work (If applicable)	Total constructed area = 1,89,262.25 m2 (FSI = 1,46,037.34 m2 + NON FSI = 4,32,24.91 m2) (ENVIRONMENTAL CLEARANCE RECEIVED VIDE LETTER NO. SEAC-2016/C.R.166/TC-1 dt. 02.02.2017)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	? 1st Approval dated: 21.08.2009 ? 2nd Approval dated: 03.06.2011 ? 3rd Approval Order No.- 163 dated: 04.06.2014 ? MIDC R.H.-81 Approval date -19/01/2015 Order No.- A-21395/2015
15.Total Plot Area (sq. m.)	1,70,936.00 m2
16.Deductions	1,431.68 m2
17.Net Plot area	1,69,504.32 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 2,28,658.52 m2 b) Non FSI area (sq. m.): 56,677.29 m2 c) Total BUA area (sq. m.): 285335.81
19.Total ground coverage (m2)	49571.44
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29%
21.Estimated cost of the project	3990000000

22.Number of buildings & its configuration

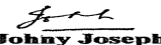
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	23 buildings	G + 4 floors	Max 23.80 m
2	7 buildings	G/S + 7 floors	Max 23.80 m
3	School building	G + 3 floors	Max 23.80 m
4	Club House	G + 3 floors	Max 23.80 m

23.Number of tenants and shops	Flats: 4631 Nos. Shops: 802 Nos.
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(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

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24.Number of expected residents / users	Population: 28,370 Nos.
25.Tenant density per hectare	268/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))	Palghar Boisar Main Road & 20 m wide MIDC road; MIDC Fire Station near Camlin Naka: 2.2 km
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 is started on site as per EC received
30.Details of the demolition with disposal (If applicable)	No demolition

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	Boisar Grampanchayat and Tarapur MIDC
	Fresh water (CMD):	2162
	Recycled water - Flushing (CMD):	1198
	Recycled water - Gardening (CMD):	85
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD):	3365
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	2010

Wet season:	Source of water	Boisar Grampanchayat and Tarapur MIDC
	Fresh water (CMD):	1291
	Recycled water - Flushing (CMD):	1198
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	4
	Total Water Requirement (CMD) :	3365
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	2010

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

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2-3 m
	Size and no of RWH tank(s) and Quantity:	20 RWH tanks
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	22 Nos.
	Size of recharge pits :	22 Nos. of deep bore well recharge pits
	Budgetary allocation (Capital cost) :	402.5 lakh
	Budgetary allocation (O & M cost) :	40.3 lakh / y
	Details of UGT tanks if any :	Below ground

35.Storm water drainage	Natural water drainage pattern:	Towards South
	Quantity of storm water:	12,995 m3/hr
	Size of SWD:	0.3 x 0.45, 0.6 x 0.60, 0.6 x 0.9 m, 1 x 1.5m


Sewage and Waste water	Sewage generation in KLD:	3241 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	3500 KLD
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	700 Lakh
	Budgetary allocation (O & M cost):	140 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris : 8252 m3
	Disposal of the construction waste debris:	Debris will be used at project site for back filling and site formation.
Waste generation in the operation Phase:	Dry waste:	5048
	Wet waste:	7572
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	32 m3/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be managed by using Bio-methanation process and digested slurry used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge will be mixed with the compost to form a soil conditioner which will be used for landscaping purpose
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	-
	Area for machinery:	140 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	320 Lakh
	O & M cost:	128 Lakh/y

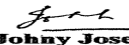
37.Effluent Charecterestics

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			


 (Dr. B. N. Patil)
 Member Secretary
 SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

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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 :	16,992,89 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	NA
	List of proposed native trees :	As below
	Timeline for completion of plantation :	3 Years

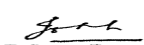
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	109	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	212	Large tree, good for roadside plantation
3	Alstonia scholaris	Satwin	85	Shady Tree, white fragrant flowers
4	Ficus retusa	Nandruk	69	Shady tree, good for roadside plantation
5	Pongamia pinnata	Karanj	102	Shady tree
6	Saraca asoka	Sita Ashok	78	Shady tree with red-yellow flowers.


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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7	Cassia fistula	Bahavar	69	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
8	Murraya paniculata	Kunti	45	Small tree, Fragrant white flowers, Butterfly host plant
9	Cassia fistula	Bahava	55	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
10	Mimusops elengi	Bakul	51	Shady tree, small white fragrant flowers
11	Nyctanthes arbor-tristis	Parijatak	89	Small deciduous fast growing tree, beautiful flowerers.
12	Lagerstroemia flos-regineae	Tamhan	94	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
13	Murraya paniculata	Kunti	104	Small tree, Fragrant white flowers, Butterfly host plant
14	Gmelina arborea	Shivan	88	Fast growing tree with beautiful yellow flowers
15	Bombax ceiba	Kate sawar	98	Large deciduous tree. Flowers attract many birds.
16	Bombax ceiba	Kate sawar	106	Large deciduous tree. Flowers attract many birds.
17	Ziziphus mauritiana	Ber	75	Fast growing & hardy plant
18	Albizia lebbeck	Shirish	85	Shady tree, yellowish green fragrant flowers
19	Azadiracta indica	Neem	110	Large tree, good for roadside plantation
20	Ficus retusa	Nandruk	57	Shady tree, good for roadside plantation
21	Alstonia scholaris	Satwin	71	Shady Tree, white fragrant flowers
22	Pongamia pinnata	Karanj	44	Shady tree
23	Saracaasoka	Sita Ashok	72	SShady tree with red-yellow flowers.
24	Saracaasoka	Sita Ashok	38	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	4000 kVA
	DG set as Power back-up during construction phase	4000 kVA
	During Operation phase (Connected load):	24.5 MW
	During Operation phase (Demand load):	12 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Total DG set Capacity: 4000 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- Use of energy efficient, BEE labeled electrical fixtures, solar powered lighting in external common area
- Energy efficient fluorescent lights & CFL / LED lamps which gives approx 30% more light output for the same watts consumed are proposed to be used thus reducing energy consumption
- Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically
- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Solar lighting in common areas, garden and driveways
- Provision of energy efficient lighting fixtures (LED lights) to buildings

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Savings	23.23%
2	Total Energy Savings	23.23%

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:	350 Lakhs
	O & M cost:	20 Lakh/y

51. Environmental Management plan Budgetary Allocation

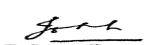
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	7


 (Dr. B. N. Patil)
 Member Secretary
 SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

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2	Site sanitation and Potable Water Supply to Labour	-	10
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	6
4	Health check-up & first aid	-	6
5	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	18
6	Safety nets	-	23
7	Safety Training to Workers (Twice in Year), Safety Officer	-	6
8	Disinfection	-	4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	700.0	140.0
2	Solar System	Weekly	350	20
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	402.5	40.3
4	Solid Waste Composting plant	Continuous O & M	320.0	128.0
5	Landscape	Daily	170	25.5

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

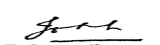
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	-
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(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
DR. B.N.Patil (Secretary SEAC-II)

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Parking details:	Number and area of basement:	-
	Number and area of podia:	-
	Total Parking area:	4 w Parking Area: 17,861.80 m2 2 w Parking area: 13,489.10 m2
	Area per car:	Open parking: 25.3 m2
	Area per car:	Open parking: 25.3 m2
	Number of 2-Wheelers as approved by competent authority:	Scooter: 4939 Nos. Bicycles: 5233 Nos.
	Number of 4-Wheelers as approved by competent authority:	688 Nos
	Public Transport:	-
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
Brief information of the project by SEAC		

Representative of PP, Mr. Arvind Singh was present during the meeting along with environmental consultant M/s D.A Patil; Mahabal enviro engineers.

PP stated that the project is for expansion, due to addition in FSI. PP informed that project received the EC vide dated 2/2/2017 for plot area 1,71,748 m² comprising total build-up area 2,10,033.64 m². PP also informed that till date they have constructed 1,89,262.25 m².

The project proposal was discussed on the basis of presentation made and documents & EIA submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 1,70,936 sq. m & total construction area of the project (FSI- 2,28,68.52 sq.mt + Non FSI- 56,677.29 sq.mt) is 2,85,335.81 sq.mt. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation, EIA & plans submitted are taken on the record. Committee noted that, proposed expansion is vertical on the existing building. And also ToR was within validity period. PP incorporated environmental concerns in the revised EIA.

DECISION OF SEAC


After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of following points.

Specific Conditions by SEAC:

1) PP to upload Revised EIA as indicated by committee during meeting with corrected baseline & deviation till date on ec.mpcb.in website.

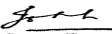
FINAL RECOMMENDATION

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


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
SEAC-II)**

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Johnny Joseph
**Shri. Johnny Joseph
(Chairman SEAC-II)**

55th SEAC-II meeting Day-1 (28/9/2017)

SEAC Meeting number: 55 Meeting Date September 28, 2017

Subject: Environment Clearance for American Springs and Pressing Works Pvt. Ltd.

1.Name of Project	M/s. American Springs and Pressing Works Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kiran Patel, American Springs and Pressing Works Pvt. Ltd.
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Residential cum Commercial Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC Granted Ref No. SEAC 2010/CR 533/TC-2 Dated. 27.11.2012 (FSI area: 55,341 sq.m. (Including 10,041 for hotel, Total Construction area: 1,42,967.07 sq.m. (Including 27,897.71 sq.m. for hotel)
8.Location of the project	At Prop. Comm. Bldg. No.2 on plot bearing C.T.S. No.554, 554/1 to 10, 555,555/1 to 3,556-a,556b,557,557/1 to 3,558, to 560 , 562,563,580(pt),581 ,582 ,589a,590 & 593a, of village-Valnai & C.T.S.No.728,740 & 740/1 & 2, of village-Malad (North) at Malad (west).
9.Taluka	kurar
10.Village	Valnai & Malad (North) at Malad (W)
Correspondence Name:	Mr. Gautam A. Acharya
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	-
City:	Mumbai
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	CHE/9757/BP(WS)/AP & 2/6/2017 IOD/IOA/Concession/Plan Approval Number: CHE/9757/BP(WS)/AP & 2/6/2017 Approved Built-up Area: 47983.94
13.Note on the initiated work (If applicable)	Total constructed area = 82,174.90 m2 (FSI = 31760.65 m2 + NON FSI = 50414.14 m2) (A Tower : 6th Podium, A1-10th Typical & B Tower : 29th Typical slab complete) (EC received vide letter 21-56/2014-IA.III dt. 18th June 2015 for the FSI: 70,129.16 m2 and the Total Construction area: 1,47,680.33 m2)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CHE/9757/BP(WS)/AP & 2/6/2017
15.Total Plot Area (sq. m.)	37,739.87 m2
16.Deductions	10,047.49 m2
17.Net Plot area	27,692.38 m2
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 79,301.83 m2 b) Non FSI area (sq. m.): 83,632.29 m2 c) Total BUA area (sq. m.): 162934.12
19.Total ground coverage (m2)	12,512.96 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.05%
21.Estimated cost of the project	6250000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	G + 1st to 6th P + 1st to 32nd floors	142.25

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2	Wing A1	G + 1st to 6th P + 1st to 32nd floors	142.25	
3	Wing B	G + 1st to 6th P + 1st to 32nd floors	142.35	
4	Commercial Building	3B+G+12th Upper Floors	51.30	
23.Number of tenants and shops	Flats: 593 Nos. Commercial area: 17,535.47			
24.Number of expected residents / users	Population: 4,894 Nos.			
25.Tenant density per hectare	157/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))	18.30 m wide Marve road (C. G. Marg) (N side), 18.30 m wide B.J. Patel Road (E side), 9.15 m wide existing road (W side)			
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 is started on site as per EC received.			
30.Details of the demolition with disposal (If applicable)	No demolition			
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	MCGM							
	Fresh water (CMD):	315 KLD							
	Recycled water - Flushing (CMD):	172 KLD							
	Recycled water - Gardening (CMD):	54 KLD							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	549 KLD							
	Fire fighting - Underground water tank(CMD):	As per CFO NOC							
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC							
	Excess treated water	44 KLD							
Wet season:	Source of water	MCGM + RWH							
	Fresh water (CMD):	235 + 80 KLD							
	Recycled water - Flushing (CMD):	172 KLD							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	549 KLD							
	Fire fighting - Underground water tank(CMD):	As per CFO NOC							
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC							
	Excess treated water	98 KLD							
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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	2-3 m
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks, Total Capacity: 265 m3
	Location of the RWH tank(s):	Under ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	61 lakh
	Budgetary allocation (O & M cost) :	1 lakh / year
	Details of UGT tanks if any :	Under ground
35.Storm water drainage	Natural water drainage pattern:	Towards south direction
	Quantity of storm water:	2,813.62 m3/s
	Size of SWD:	450 mm wide and 850 mm deep
Sewage and Waste water	Sewage generation in KLD:	456 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total: 500 KLD (STP1 for Residential: 400 KLD & STP2 for Commercial: 100 KLD)
	Location & area of the STP:	On Ground Area (STP1: 450 m2 and STP2: 150 m2)
	Budgetary allocation (Capital cost):	105 Lakh
	Budgetary allocation (O & M cost):	20 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris : 4,731 m3, Construction debris (Till date): 2,386 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	Dry waste:	747 kg/d
	Wet waste:	1,121 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	5 m3/day
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge will be used for landscaping purpose
	Others if any:	NA
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	80 m ²
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	48 Lakh
	O & M cost:	19 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	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40. Details of Fuel to be used

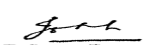
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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 required: 7,815.31 m2, Total RG provided: 10,701.66 m2, RG on Ground : 8,491.15 m2, RG on Podium : 2,210.51m2
	No of trees to be cut :	NIL
	Number of trees to be planted :	475 Nos.
	List of proposed native trees :	As below
	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	Lagerstromia Reginea	Taaman	35	Official state tree
2	Saraca indica	Palash	34	Hardly evergreen tree, grows well in warm climate
3	Anthocephalus kadamba	Kadamb	35	Deciduous tree, large foliage & beautiful tree
4	Azadirachta Indica	Neem	24	Hardy evergreen tree, has medicinal properties
5	Murraya exotica	Kunti	42	Small, evergreen tree, good for gardens
6	Erythrina indica	Pangara	35	Medium sized deciduous tree. Bright scarlet flowers.
7	Cassia fistula	Bahava	40	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
8	Alstonia scholaris	Satvin	34	Shady, large evergreen tree, white fragrant flowers
9	Pongamia pinnata	Karanj	46	Shady tree
10	Erythrina Variegata	Coral Tree	42	Deciduous flowering tree, quick growing tree
11	Syzygium Cumini	Jaamun Tree	38	Fruit tree attracting birds
12	Ailanthus excelsa	Maharukh	32	Large tree, good for roadside plantation

45.Total quantity of plants on ground

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

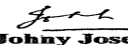
Serial Number	Name	C/C Distance	Area m2
1	Plumbago Capensis-Chitrak	-	-
2	Raphis Palm- Raphis Palm	-	-
3	Murraya Paniculata- Kunti	-	-
4	Adhatoda Vasica-Adulsa	-	-
5	Wedelia Trilobata-Wedelia	-	-
6	Canna Dwarf-Kardal	-	-

47.Energy


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Power requirement:	Source of power supply :	TATA
	During Construction Phase: (Demand Load)	2000 kVA
	DG set as Power back-up during construction phase	2000 kVA
	During Operation phase (Connected load):	13.8 MW
	During Operation phase (Demand load):	6.6 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Total DG set Capacity: 2,000 kVA (2X750 kVA for Residential and 1X500 kVA for Commercial)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48. Energy saving by non-conventional method:

- Efficient wall systems like solid blocks with fly ash content,
- Energy conservation measures taken by using low energy consuming fixtures like, LED lamps, LED in flats and LEDs in Lift, Lobby, and Passages
- Solar lighting on street and RG area,
- Solar Hot water system to buildings
- Use of high energy efficient pumps for fire fighting, UG tanks and STP

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving	21.09%

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:	39 Lakhs
	O & M cost:	2 Lakh/year

51. Environmental Management plan Budgetary Allocation

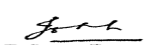
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4
2	Site sanitation and Potable Water Supply to Labour	-	8


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3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4
4	Health check-up & first aid	-	3
5	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	12
6	Safety nets	-	10
7	Safety Training to Workers (Twice in Year), Safety Officer	-	6
8	Disinfection	-	4

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	105	20
2	Solar System	Weekly	39	2
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	61	1
4	Solid Waste Composting plant	Continuous O & M	48	19
5	Landscape	Daily	103	15
6	Environmental Monitoring	-	8	As per the CPCB guidelines through MoEF Approved laboratories

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

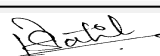
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

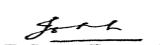
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	-
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	Total Parking Area: 39,786 m2 (Including 2W and 4W)
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	912 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required:1342 Nos, Provided: 1348 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is 2.7 km away from the Sanjay Gandhi national park. As per the ESZ notification of Sanjay Gandhi National Park (SGNP), vide no. S. O. 3645 (E) dated 05.12.2016, our project site is outside of ESZ i.e. (100 m); hence clearance from the Standing Committee of the National Board for Wildlife is not applicable to our project
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-08-2017
Brief information of the project by SEAC		

PP, Mr. Gautam Acharya was present during the meeting along with environmental consultant M/s D.A Patil; Mahabal enviro engineers Pvt.Ltd.

PP informed that EC was received vide letter dated 27/11/2012 for the plot area 38,322.45 sq. m having FSI 55,341 sq. m & the Total Construction area 1,42,967.07 sq. m. PP also informed that they received amended EC vide letter dated 18/6/2015 for the plot area 38,322.45 sq. m & the total construction area 1,47,680.33sq. m. PP stated that, Proposal is for expansion of the project due to additional TDR and there is amendment in planning i.e change in hotel building to commercial building.

PP stated that now the total plot area is 37,739.87sq. m, FSI area 79,301.83 sq.m & total construction area is 1,62,934.12 sq.m. (FSI- 79,301.83 sq.mt + Non FSI- 83,632.29sq.mt). Building configuration changes from wing A & A1 (G+1st to 6th P+1st to 31st floors) to (G+1st to 6th P+1st to 32nd floors) and Hotel building (2B+G+1st to 7th floors) to Commercial building (3B+G+1st to 12th floors).

The project proposal was discussed on the basis of the draft ToR for expansion of the residential and commercial project, presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC


After discussion, ToR presented by PP was approved with following additional ToR:

Specific Conditions by SEAC:

- 1) PP to submit and upload IOD/Plans for proposed expansion.
- 2) It is noted that, service floors from wing A, A1 & B have been deleted with proposed height of 142.25 M, 142.25 M, 142.25 M & 51.30 M respectively. PP to submit & upload report of HRC
- 3) Committee noted that, commercial building is proposed instead of Hotel building. PP to rework Environmental parameters accordingly & upload the same with revised EIA.
- 4) PP to increase renewable energy component up to 25% against the net energy demand.
- 5) PP to provide detail of RG generated because of I to R/ I to C conversion and layout RG. And same should be indicated on building layout.
- 6) PP to submit light & ventilation analysis, Shadow analysis, traffic & Evacuation time analysis, SWEPT PATH analysis.
- 7) PP to submit & upload the project specific qualitative and quantitative EMP & DMP. Efforts should be indicated to mainstream the proposed measures and mode of implementation in the instant project.
- 8) PP to upload Fire NoC/HRC NoC.
- 9) Committee noted that the project site is 3.5 Km away from SGNP. i.e 10 Km inside. PP to obtain NoC from NBWL.
- 10) PP to also refer ToR standard ToR published by MoEF vide order dated 10/04/15 in addition to above.
- 11) PP to upload the plans, duly stamped & signed, submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in

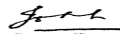
FINAL RECOMMENDATION

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.


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Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
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Johnny Joseph
**Shri. Johnny Joseph
(Chairman SEAC-II)**

55th SEAC-II meeting Day-1 (28/9/2017)

SEAC Meeting number: 55 Meeting Date September 28, 2017


Subject: Environment Clearance for Application for Expansion in proposed Commercial IT Complex 'Light Hall' at village Saki, Tungwa and Marol, Mumbai

General Information:

1.Name of Project	Proposed Expansion in Commercial IT Complex 'Light Hall' at village Saki, Tungwa and Marol, Mumbai, Maharashtra by Gamma Constructions Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manish Gupta - Director - Finance - Gamma Constructions Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt Ltd ,Plot F-7, Road 21, Y Mandir Road, MIDC Wagle Estate, J.B Sawant Bus Stop, Thane West-400081
5.Type of project	Commercial IT Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Commercial IT Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Expansion in project. we have received the Environment Clearance File No.21-565/2007-IA.III dated 14th March, 2008 from MoEF
8.Location of the project	CTS No. 1 (Part), 2 of Village Saki CTS No. 193 of village Tungwa CTS No. 689 (Part) of village Marol, Mumbai, Maharashtra
9.Taluka	Mumbai
10.Village	Saki, Tungwa, Marol,
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Case/IOD No./CE/4269/BPES/AL Report on Previous Concession got from BMC 4(c)
	IOD/IOA/Concession/Plan Approval Number: Case/IOD No./CE/4269/BPES/AL Report on Previous Concession got from BMC 4(c)
	Approved Built-up Area: 160005
13.Note on the initiated work (If applicable)	We had received Environmental Clearance on dated 14th March 2008. As per EC reference we had completed construction of three buildings
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received from BMC Last Approved plan Dated 18th March, 2017
15.Total Plot Area (sq. m.)	56,212 sq.mt.
16.Deductions	6,634 sq.mt.
17.Net Plot area	49,578 sq.mt.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 91,590 sq.mt.
	b) Non FSI area (sq. m.): 68,415 sq.mt.
	c) Total BUA area (sq. m.): 160005 sq.mt.
19.Total ground coverage (m2)	27,155 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54%
21.Estimated cost of the project	3460000000


22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 Wing A (Existing)	2 Basement+Ground+7 Floors	32.75
2	Building No.1 Wing B (Existing)	2 Basement+Ground+7 Floors	32.75
3	Building No.1 Wing C (Existing)	2 Basement+Ground+7 Floors	32.75
4	Building No.1 Wing D (Proposed)	2 Basement+Ground+6 Floors	32.90
5	Building No.1 Wing E (Proposed)	2 Basement+Ground+13 Floors	64


(Dr. B. N. Patil)
Member Secretary
SEAC (MMR)
**DR. B.N.Patil (Secretary
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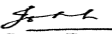
6	Building No. 1 Miscellaneous Structure (Existing)	Ground	-	
7	Building 3 (Existing)	Ground+1 Floor	7.00	
8	Building 4 (Existing)	Ground+1 Floor	7.00	
23.Number of tenants and shops		115 Nos. tenants		
24.Number of expected residents / users		13,985 Nos.		
25.Tenant density per hectare		450/ha		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		Proposed 27.43 m wide D.P. Road - Saki Vihar 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		Yes, As per Environment Clearance		
30.Details of the demolition with disposal (If applicable)		Not Applicable		
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable
32.Total Water Requirement				

Dry season:	Source of water	Municipal Corporation Greater Mumbai (MCGM)							
	Fresh water (CMD):	275							
	Recycled water - Flushing (CMD):	336							
	Recycled water - Gardening (CMD):	50							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	610							
	Fire fighting - Underground water tank(CMD):	900							
	Fire fighting - Overhead water tank(CMD):	150							
	Excess treated water	87							
Wet season:	Source of water	Municipal Corporation Greater Mumbai (MCGM)							
	Fresh water (CMD):	275							
	Recycled water - Flushing (CMD):	336							
	Recycled water - Gardening (CMD):	25							
	Swimming pool make up (Cum):	Not Applicable							
	Total Water Requirement (CMD) :	610							
	Fire fighting - Underground water tank(CMD):	900							
	Fire fighting - Overhead water tank(CMD):	150							
	Excess treated water	112							
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	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:	near about 3 m as per contour level
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	8 No.
	Size of recharge pits :	8 Nos. Size 3 m * 5 m depth
	Budgetary allocation (Capital cost) :	Rs.20 Lakh
	Budgetary allocation (O & M cost) :	Rs.1.7 Lakh/year
Details of UGT tanks if any :	Wing A -Domestic Tank-72 m3/day , Flushing tank capacity-66 m3/day, Fire tank capacity-150 m3/day Wing B -Domestic Tank-88 m3/day , Flushing tank capacity-96 m3/day, Fire tank capacity-150 m3/day Wing C -Domestic Tank-37.60 m3/day , Flushing tank capacity-47 m3/day, Fire tank capacity-200 m3/day Wing D -Domestic Tank-6 m3/day , Flushing tank capacity-7.5 m3/day, Fire tank capacity-200m3/day Wing E -Domestic Tank-46.5 m3/day , Flushing tank capacity-58 m3/day, Fire tank capacity-200m3/day	
35.Storm water drainage	Natural water drainage pattern:	along the road side
	Quantity of storm water:	1.5146 m3/sec
	Size of SWD:	850 mm * 750 mm
Sewage and Waste water	Sewage generation in KLD:	488
	STP technology:	Fluidized Aerobic Bioreactor (FAB)
	Capacity of STP (CMD):	1 no.*155 m3/day, 1 no.*145 m3/day and 1 no.*190 m3/day
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs.160 Lakh
	Budgetary allocation (O & M cost):	Rs.13 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	60,000 m3
	Disposal of the construction waste debris:	Debris generated will be sent to the authorized debris disposal site as per construction and demolition and De-silting Waste (Management and Disposal) Rules 2006
Waste generation in the operation Phase:	Dry waste:	1,689 kg/day
	Wet waste:	2,533 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	5 kg/day
	Others if any:	Dry Waste including E-Waste is 1,689 kg/day
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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated and disposed of to recyclers
	Wet waste:	Used as organic manure for landscaping
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	used as manure for plantation and gardening purposes inside the premise
	Others if any:	E Waste will be handed over to the authorized vendor
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	260 sq.mt.
	Area for machinery:	50 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.25 Lakh
	O & M cost:	Rs.2.1 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

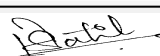
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

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


40.Details of Fuel to be used

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


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43.Green Belt Development	Total RG area :	RG/ Amenity/ Open space area 4,998 sq.mt.
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	220
	List of proposed native trees :	provided and total no. of tress are 368 No.
	Timeline for completion of plantation :	tentative 2 to 3 years

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

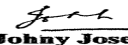
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Artocarpus hetetrophllus	Jack Fruit	-	Fruit bearing tree
2	Anthocephalus cadamba	kadamba	-	shady
3	Azadirachta indica	Neem	-	Medicinal tree
4	Borassus flabellifer	Tad	-	Fruit bearing tree
5	Cocos nucifera	Coconut	-	Fruit bearing
6	Cordia obliqua	Bhokar	-	Fruits are Edible and shady
7	Dolonia regia	Gulmohar	-	Flower bearing tree
8	Ficus benghalensis	vad	-	shady tree
9	Ficus glomerata	Umber	-	Fruit bearing
10	Ficus religiosa	Pimpal	-	Shady tree
11	Grewia tillaefolia	Dhaman	-	Medicinal plant
12	Langerstoemia speciosa	Thaman	-	Flower bearing
13	lower bearing	Subabul	-	Flower bearing tree
14	Flower bearing tree	Tawa	-	Flower bearing tree
15	Magnifera indica	Mango	-	Fruit bearing tree
16	Morinda citrifolia	Morindra	-	Medicinal Plant
17	Peltophorum pterocarpum	Peltophorum	-	Flower bearing tree
18	Phoenix sylvestris	Phoenix	-	Flowering tree
19	Plumeria obtusa	Champa	-	Flowering tre
20	Plyalthia lingifolia	Ashoka	-	Aesthetic tree
21	Spathodea campanulata	Spathodea	-	Flower bearing tree
22	Sterculia alata	Bhudas coconut	-	Fruit bearing tree
23	Syzgium cumini	Jamun	-	Fruit bearing tree
24	Tamrindus indica	Chinch	-	Fruit bearing tree
25	Terminalia catappa	Badam	-	Fruit & Shady tree
26	Trewia nudiflora	Gutel	-	Flower bearing
27	Zizyphus rotundifolia	Bor	-	Fruit bearing tree

45.Total quantity of plants on ground


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

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

47.Energy

Power requirement:	Source of power supply :	TATA
	During Construction Phase: (Demand Load)	52 MW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	65 MW
	During Operation phase (Demand load):	52 MW
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	89 MVA
	Fuel used:	As per requirement
Details of high tension line passing through the plot if any:	Not Applicable	

48.Energy saving by non-conventional method:

Use of compact fluorescent lamps (CFL) and low voltage lighting in common areas.
 Energy saving measures: Designing of Electronic Lighting System (ELS) instead of General Lighting System (GLS) instead of General Lighting
 Use of Energy efficient fluorescent LED Tube Lights & CFL lamps for 30% more light output
 Use of electronic chokes to all fluorescent light fixtures to provide less wattage-loss
 Use of Programmable Timers for switching On/Off of pumping systems, common lightings, Parking Area lightings & Street lightings.
 Solar opera

49.Detail calculations & % of saving:


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

50.Details of pollution control Systems

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

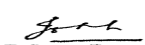
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs.90 Lakh
	O & M cost:	Rs.7.5 Lakh/year

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	Water for Dust Suppression	pH, Colour, odour, Turbidity, Total Hardness, Metals	5.0
2	Air & Noise monitoring	SPM, SO2, NO2	1.5
3	Soil erosion control	Water spray on ground	3.0
4	Water monitoring	pH, Colour, Odour, turbidity, Total hardness, metals	4.0
5	Site Sanitation	Disinfection	1.5
6	Gardening Set up	Soil and Water	5.0
7	Disinfection-Pest Control	Disinfection	2.0
8	First Aid Facilities	First Aid Box	3.0
9	Health Check Up	Weekly	2.0
10	Training and awareness	Daily	4.1
11	Personal Protective Equipments	Safety jacket, Safety shoes, Helmet, Gloves	3.5
12	Personal Protective Equipments	Safety jacket, Safety shoes, Helmet, Gloves	3.5
13	labour hutments	CFL	3.1

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 Treatment Plant	STP plant having capacity	160	13
2	Water Treatment Plant	Construction and maintenance	40	3.3
3	Landscape Development	RG area	90	7.5
4	Solid Waste Composting	Composting	25	2.1
5	Rain water harvesting	Channelizing and maintenance of drainage line	20	1.7
6	Fire Fighting	Fire extinguisher and sand bucket	21	1.8
7	Energy Conservation	Solar panels and LED	17	1.4
8	Environmental Monitoring	Air, Water, Soil and Noise monitoring	15	2.4

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:	27.43 m wide D.P. road Saki Vihar Road and 2 Nos. of the junction
Parking details:	Number and area of basement:	2 nos. of basement with total area 40,217.44 sq.mt.
	Number and area of podia:	Not Applicable
	Total Parking area:	41,839 sq.mt.
	Area per car:	33.93 sq.mt.
	Area per car:	33.93 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	1,233 Nos.
	Public Transport:	Company Buses will provided - 6 no.
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Not Applicable
	Court cases pending if any	Not Applicable

	Other Relevant Informations	We are applying for Environment Clearance in Proposed Expansion in Light Hall Commercial IT Complex Project .We have received the Environment Clearance file No. 21-565/2007-IA. III dated 14th March, 2008 .We have submitted the application for the ToR dated 5.11.2016. we have received the Acknowledgment receipt having File SIA/MH/NCP/17691/2016 As per the received Environmental Clearance we completed the construction of 3 buildings.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-11-2016

Brief information of the project by SEAC

PP, Mr. Ramji was present during the meeting along with environmental consultant M/s Mahabal Enviro Engineers. PP informed that EC was received on 14/3/2008. Proposal is for expansion of the project with Addition of two towers.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. It is noted that the project is earlier considered in 52nd meeting of SEAC II in which ToR was issued. PP submitted EIA report. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 56,212 m² & total construction area proposed in this meeting of the project is 1,60,005 m² (FSI- 91,590 m²+ Non-FSI- 68,415 m²). Committee noted that the project under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC


In view of above, the proposal is deferred for compliance as follow and shall be considered further after the compliance of following observations submitted for reconsideration.

Specific Conditions by SEAC:

- 1) Committee noted that installed STP performance is not as per the standards prescribed by CPCB/MPCB. BOD & COD observed on higher side. PP to achieve the BOD below 10 mg/lit. and report to SEAC/SEIAA/MPCB.
- 2) PP to comply with observations of R.O Office Nagpur and submit the report.
- 3) 3. PP to restrict the top elevation in meters above Mean Sea Level (AMSL) to 56.9 M as approved by Airport Authority of India (AAI) NoC dated 26/12/2016. Committee informed the PP that, committee can only appraise project for the height of 56.9M (AMSL) and not for the proposed height of more than 56.9M (AMSL). PP after deliberations stated that he will obtain the NOC from AAI for proposed height & revert back to SEAC-II.

FINAL RECOMMENDATION

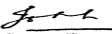
SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days


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