Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th - Day-1 **Meeting Date** June 30, 2020

Subject: Environment Clearance for Amendment in Environmental Clearance for Proposed Runwal Town Centre Now known as R city (Commercial building no.-1) on property bearing old C.T.S. no. 166/1 to 23 (s.no. 146-B) and New CTS No.166Aof village Ghatkopar, situated at Lalbahadur Shastri Marg, Ghatkopar by Runwal group

Is a Violation Case: No

1.Name of Project	Proposed Expansion of Runwal Town Centre Now known as R city (Commercial building no.-1) on property bearing old C.T.S. no. 166/1 to 23 (s.no. 146-B) and New CTS No.166Aof village Ghatkopar, situated at Lalbahadur Shastri Marg, Ghatkopar by Runwal group
2.Type of institution	TOR
3.Name of Project Proponent	Runwal group Runwal & Omkar Esquare,5th floor, opp .Sion-Chuna bhatti signal, sion (E] .Mumbal-400022 .
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd. Mr. H. K Desai B-1003, Enviro House, 10th floor, Western Edge -II Western Express Highway, Borivali (E), Mumbai- 400 066 hkdesai5@gmail.com,; info@eaepl.com
5.Type of project	Residential and commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	vertical Expansion in existing commercial building no. 1 .
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no J.12011/42/2005-IA (CIE) dated 24.02.2006
8.Location of the project	Property bearing old C.T.S. no. 166/1 to 23 (s.no. 146-B)New CTS NO.166A of village Ghatkopar, situated at Lalbahadur Shastri Marg, Ghatkopar
9.Taluka	Kurla
10.Village	Ghatkopar
Correspondence Name:	Ms. Pallavi Matkari- Chief Architect
Room Number:	5th floor
Floor:	5th floor
Building Name:	Runwal & Omkar Square
Road/Street Name:	Chunabhatti signal,
Locality:	Sion (E]
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MCGM
12.IOD/IOA/Concession/Plan Approval Number	IOD for proposed FSI has been submitted vide fie no CE/6304/BPES/AN dated 10.04.2018 IOD received vide letter no. CE/6304/BPES/AN dated 30th dec. 2013 for FSI area 151640.46 sqm
	IOD/IOA/Concession/Plan Approval Number: IOD for proposed FSI has been submitted vide fie no CE/6304/BPES/AN dated 10.04.2018 IOD received vide letter no. CE/6304/BPES/AN dated 30th dec. 2013 for FSI area 151640.46 sqm
	Approved Built-up Area: 151640
13.Note on the initiated work (If applicable)	Commercial building no.1 (wing A) – lower basement +upper basement + G+ 4 (wing B)- lower basement +upper basement + G+ 1-4 mall + 5-7 parking floors & 8-10 upper floors Residential buildings have been constructed as per EC received and handed over. Residential building 2- base+stilt+podium+14 upper Residential building 3- base+stilt+podium+14 upper Residential building 4- base+stilt+podium+14 upper Has been constructed on site as per EC received vide letter no J.12011/42/2005-IA (CIE) dated 24.02.2006. The total constructed area on site is 347099.12 sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD received vide letter no. CE/6304/BPES/AN dated 30th dec. 2013 for FSI area 151640.46 sqm
15.Total Plot Area (sq. m.)	80873.70 sqm
16.Deductions	89.05 sqm
17.Net Plot area	80784.65 sqm

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18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 199917.95 sqm
	b) Non FSI area (sq. m.): 192010.97 sqm
	c) Total BUA area (sq. m.): 391928
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 151640.46 sqm
	Approved Non FSI area (sq. m.): 195458.66 sqm
	Date of Approval: 30-12-2013
19.Total ground coverage (m2)	49884.91 sqm (Residential = 17595.38 sqm Commercial = 32289.53 sqm)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	61
21.Estimated cost of the project	2050000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1. Commercial building 1	Commercial building no.1 (wing A) – lower basement +upper basement + G+ 6 upper floor (part parking floors) (wing B)- lower basement +upper basement + G+ 1-4 mall + 5-7 parking floors + 8 -12 upper offices floor	(wing A) – 35.90 M (wing B)- 57.300 M
2	2. Residential building 2 (already handover to society)	B+stilt+podium+14 upper	54.05m
3	3. Residential building 3 (already handover to society)	B +stilt+podium+14 upper	54.05m
4	4. Residential building 4 (already handover to society)	B+stilt+podium+14 upper	54.05m

23.Number of tenants and shops	5. Commercial building 1- 6. 1 mall -92997.82 sqm 7. Cinema hall- 1743 nos of seats 8. Offices-34739.11 sqm 9. Residential building 2, Residential building 3, Residential building 4= 5000 flats
24.Number of expected residents / users	10. Commercial building 1- 11. 1 mall- 9299 nos 12. Cinema hall- 1917 13. Offices-3474 nos Residential building 2, Residential building 3, Residential building 4= 25000 flats
25.Tenant density per hectare	618 Tenant density per hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30.50m. wide Lal Bahadur Shastri Marg & 18.30m. w i d e D. P. r o a d
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mtr

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29.Existing structure (s) if any	Commercial building no.1 (wing A) – lower basement +upper basement + G+ 4 (wing B)- lower basement +upper basement + G+ 1-4 mall + 5-7 parking floors & 8-10 upper floors Residential buildings have been constructed as per EC received and handed over. Residential building 2- base+stilt+podium+14 upper Residential building 3- base+stilt+podium+14 upper Residential building 4- base+stilt+podium+14 upper Has been constructed on site as per EC received vide letter no J.12011/42/2005-IA (CIE) dated
30.Details of the demolition with disposal (If applicable)	Not applicable as it is a vertical expansion

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/STP
	Fresh water (CMD):	255
	Recycled water - Flushing (CMD):	348
	Recycled water - Gardening (CMD):	61
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	664
	Fire fighting - Underground water tank(CMD):	Will studied during EIA
	Fire fighting - Overhead water tank(CMD):	Will studied during EIA
	Excess treated water	Will studied during EIA
Wet season:	**Source of water**	MCGM/STP/RWH tanks
	Fresh water (CMD):	255
	Recycled water - Flushing (CMD):	348
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	603
	Fire fighting - Underground water tank(CMD):	Will studied during EIA
	Fire fighting - Overhead water tank(CMD):	Will studied during EIA
	Excess treated water	Will studied during EIA

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Details of Swimming pool (If any)	-

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Study in progress
	Size and no of RWH tank(s) and Quantity:	Will studied during EIA
	Location of the RWH tank(s):	Will studied during EIA
	Quantity of recharge pits:	Will studied during EIA
	Size of recharge pits :	Will studied during EIA
	Budgetary allocation (Capital cost) :	Will studied during EIA
	Budgetary allocation (O & M cost) :	Will studied during EIA
	Details of UGT tanks if any :	Will studied during EIA
35.Storm water drainage	**Natural water drainage pattern:**	As per the designed calculations
	Quantity of storm water:	Will studied during EIA
	Size of SWD:	Will studied during EIA
Sewage and Waste water	**Sewage generation in KLD:**	577
	STP technology:	Will studied during EIA
	Capacity of STP (CMD):	Will studied during EIA
	Location & area of the STP:	Will studied during EIA
	Budgetary allocation (Capital cost):	Will studied during EIA
	Budgetary allocation (O & M cost):	Will studied during EIA

36.Solid waste Management

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Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Will studied during EIA
	Disposal of the construction waste debris:	Will studied during EIA
Waste generation in the operation Phase:	**Dry waste:**	2571 kg/day
	Wet waste:	1102 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will studied during EIA
	Others if any:	E-Waste: will be sold to authorized vendors
Mode of Disposal of waste:	**Dry waste:**	To be hand over to Local Recyclers for recycling
	Wet waste:	To be processed in the OWC. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will studied during EIA
	Others if any:	Will studied during EIA
Area requirement:	**Location(s):**	Will studied during EIA
	Area for the storage of waste & other material:	Will studied during EIA
	Area for machinery:	Will studied during EIA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will studied during EIA
	O & M cost:	Will studied during EIA

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

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	12117.70 (15%)
	No of trees to be cut :	Nil as this a vertical expansion
	Number of trees to be planted :	Will studied during EIA
	List of proposed native trees :	Will studied during EIA
	Timeline for completion of plantation :	Will studied during EIA

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	Will studied during EIA	Will studied during EIA	Will studied during EIA	Will studied during EIA
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	TATA/Reliance
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	32000 kW
	During Operation phase (Demand load):	16000 kW
	Transformer:	Will studied during EIA
	DG set as Power back-up during operation phase:	Will studied during EIA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Landscape & External Lighting (LED Lighting instead of Normal) Basements, Stilt floors, Podium floor, lobby area (T5 instead of T8 & LED instead of CFL)-FOR BUILDING VFD's on Lifts VFD's on CAR Lifts solar PV panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will studied during EIA	Will studied during EIA

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:**	Will studied during EIA
	O & M cost:	Will studied during EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	Will studied during EIA
2	Noise Environment	Noise Baricades and Green Belt Developments	Will studied during EIA
3	Water Environment	Modular STP , Drainage with sedimentation tanks	Will studied during EIA

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4	Good Health Practices	Site Sanitation & Health Care	Will studied during EIA
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	Will studied during EIA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Rain Water Harvesting tanks	Will studied during EIA	Will studied during EIA
2	Solid waste management	Owc	Will studied during EIA	Will studied during EIA
3	Wastewater management	STP	Will studied during EIA	Will studied during EIA
4	Energy	solar	Will studied during EIA	Will studied during EIA
5	Landscaping	green belt	Will studied during EIA	Will studied during EIA v
6	DMP	DMP	Will studied during EIA	Will studied during EIA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	30.50m. wide lal bahadur shastri Marg & 18.30m. w i d e D. P. r o a d

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Parking details:	**Number and area of basement:**	2 basement
	Number and area of podia:	.
	Total Parking area:	Will studied during EIA
	Area per car:	Will studied during EIA
	Area per car:	Will studied during EIA
	Number of 2-Wheelers as approved by competent authority:	Will studied during EIA
	Number of 4-Wheelers as approved by competent authority:	Commercial building 1- 3107 nos Residential building 2 ,3, 4-754 nos
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 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	NA
	Other Relevant Informations	this is just a vertical expansion of the existing commercial building due to loading of TDR
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

Environment Clearance for Amendment in Environmental Clearance for Proposed Runwal Town Centre Now known as R city (Commercial building no.-1) on property bearing old C.T.S. no. 166/1 to 23 (s.no. 146-B) and New CTS No.166Aof village Ghatkopar, situated at Lalbahadur Shastri Marg, Ghatkopar by Runwal group.

PP submitted letter of absence hence the matter is deferred

DECISION OF SEAC

PP submitted letter of absence hence the matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th - Day-1 **Meeting Date** June 30, 2020

Subject: Environment Clearance for Redevelopment of Sai Baba Dham CHS at CTS No. 13/1, 13/2, 13/10 at Borivali, Mumbai, Maharashtra proposed by Unique Shanti Developers LLP

Is a Violation Case: No

1.Name of Project	Unique Shanti Developers LLP
2.Type of institution	Private
3.Name of Project Proponent	Shri. Kunal S. Doshi; Unique Shanti Developers LLP
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Redevelopment Project
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment of Sai Baba Dham
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	At Plot Bearing CTS NO 13/1, 13/2, 13/10
9.Taluka	Borivali
10.Village	Borivali
Correspondence Name:	Shri. Kunal S. Doshi, Unique Shanti Developers LLP
Room Number:	-
Floor:	1st Floor
Building Name:	Harsh Plaza
Road/Street Name:	100’ Road
Locality:	Opp. Sector 2,
City:	Mira Road (E), Thane
11.Whether in Corporation / Municipal / other area	MCGM
12.IOD/IOA/Concession/Plan Approval Number	MCGM
	IOD/IOA/Concession/Plan Approval Number: CHE/WS11/0812/R/C/337
	Approved Built-up Area: 9076.88
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	4,542.70 m2
16.Deductions	Nil
17.Net Plot area	4542.70 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16509.84 m2
	b) Non FSI area (sq. m.): 16,078.00 m2
	c) Total BUA area (sq. m.): 32587.84
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	3,060 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	67.36 %
21.Estimated cost of the project	1250000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1	Grd + 1 to 4 Podium + 5 to 22nd upper floors	69.99
2	Tower 2	Grd + 1 to 4 Podium + 5 to 22nd upper floors	69.99

23.Number of tenants and shops	Flats: 202 No. , Shops: 27 No., Banquet: 5 No. Commercial Area: 1,432 m2 (Shops and Banquet Hall)
24.Number of expected residents / users	1153 Nos.
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	13.40m & 18.30m wide Adjoining 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	Existing Sai Baba Dham Society consists of 6 wings (A to F) having 147 flats and 27 shops.
30.Details of the demolition with disposal (If applicable)	Approximately 1500 m3

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**	MCGM
	Fresh water (CMD):	99
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	150
	Fire fighting - Underground water tank(CMD):	As per norms
	Fire fighting - Overhead water tank(CMD):	As per norms
	Excess treated water	86
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	81
	Recycled water - Flushing (CMD):	51
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	150
	Fire fighting - Underground water tank(CMD):	As per norms
	Fire fighting - Overhead water tank(CMD):	As per norms
	Excess treated water	88
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks with total capacity: 40 m3
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 9.2 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.9 Lakhs/yr
	Details of UGT tanks if any :	UG tanks will be provided below ground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the site and area is towards North side
	Quantity of storm water:	517 m3/hr
	Size of SWD:	600 mm wide drain channel
Sewage and Waste water	**Sewage generation in KLD:**	140 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP with 175 KLD
	Location & area of the STP:	Lower Ground
	Budgetary allocation (Capital cost):	43.8 Lakhs
	Budgetary allocation (O & M cost):	11 Lakhs/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 927 m3
	Disposal of the construction waste debris:	The construction debris will be used at site for site formation
Waste generation in the operation Phase:	**Dry waste:**	224 kg/day
	Wet waste:	336 kg/day
	Hazardous waste:	Household E waste generation
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 CMD
	Others if any:	Household E waste generation

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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):**	On ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakhs
	O & M cost:	Rs. 6.4 Lakhs/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel	Not applicable			

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	471 m2
	No of trees to be cut :	Total existing trees: 46Nos. Tress to be cut-7nos
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Will be planted after completion of construction

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	7	Shady tree, yellowish green fragrant flowers
2	Pongamia pinnata	Karanj	5	Shady tree.
3	Bombax ceiba	Katesavar	9	Large tree, red flowers.
4	Anthocephallus cadamba	Kadamb	3	Shady, large tree, ball shaped flowers.
5	Cassia fistula	Bahava	5	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
6	Mimusops elengi	Bakul	2	Shady tree, small white fragrant flowers
7	Nyctanthes arbor-tristis	Parijatak	8	Small deciduous fast growing tree, beautiful flowrers.
8	Erythrina indica	Pangara	3	Medium sized deciduous tree. Bright scarlet flowers.
9	Michelia champaca	Son chafa	7	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Bauhinia racemosa	Apta	3	Small tree with small white flowers, Butterfly host plant
11	Lagerstroemia flos-regineae	Tamhan	8	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
12	Total	-	60	-
45.Total quantity of plants on ground				

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

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

47.Energy

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Power requirement:	**Source of power supply :**	Reliance Infrastructural Pvt. Ltd.
	During Construction Phase: (Demand Load)	87.5 kVA
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	3.7 MW
	During Operation phase (Demand load):	1.7 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	1 x 250 kVA and 1 x 320 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

Solar Hot Water system for Residential Building
Solar lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement • Use of low-e glass to reduce power requirement • Solar lighting in common areas, garden and road • Solar hot water for residential buildings • Energy efficient lighting fixtures (LED lights) to all buildings	20%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14 Lakhs
	O & M cost:	1.4 Lakhs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	-	Water spray for dust suppression	5
2	-	Site sanitation and Potable Water Supply to Labour	7

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3	-	Environmental Monitoring	5
4	-	Health check-up & first aid	5
5	-	Safety Personal Protective Equipment	10
6	-	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	4
7	-	Safety nets	20
8	-	Storm water Management (SWD along plot boundary and Sedimentation Pits)	4
9	-	Tyre cleaning and Vehicle maintenance	3
10	-	Safety Training to Workers (Twice in Year), Safety Officer	7
11	-	Disinfection	3
12	-	Total Cost	73

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)	-	43.8	11.0
2	Solar System	-	14.0	1.4
3	Rainwater harvesting	-	9.2	0.9
4	Solid Waste Composting plant	-	16.0	6.4
5	Landscape	-	4.7	0.7
6	Environmental Monitoring	-	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	4 Podium with total 10,251 m2
	Total Parking area:	11,441.00 m2
	Area per car:	29.56 m2
	Area per car:	29.56 m2
	Number of 2-Wheelers as approved by competent authority:	166 Nos.
	Number of 4-Wheelers as approved by competent authority:	387 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA, Sanjay Gandhi National Park - 2.77 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	Total Water Requirement (CMD) – Dry season: 150 KLD Wet season: 150 KLD
Waste Water Treatment	a) Sewage generation in KLD: 140 KLD b) STP technology: MBBR c) Capacity of STP (CMD): 1 STP with 175 KLD
Drainage pattern of the project	-

Ground water parameters	Level of the Ground water table: 3-4m
Solid Waste Management	Disposal of the construction waste debris: The construction debris will be used at site for site formation a) Dry waste: 224 kg/day b) Wet waste: 336 kg/day c) Hazardous waste: NA Mode of Disposal waste a) Dry waste: Dry garbage will be segregated & disposed off to recyclers b) Wet waste: Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping. c) Hazardous waste: NA
Air Quality & Noise Level issues	-
Energy Management	Energy Conservation Measures: • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement • Use of low-e glass to reduce power requirement • Solar lighting in common areas, garden and road • Solar hot water for residential buildings • Energy efficient lighting fixtures (LED lights) to all buildings 20%
Traffic circulation system and risk assessment	Right of way (Width of the road from the nearest fire station to the proposed building(s)--13.40m & 18.30m wide Adjoining road
Landscape Plan	-
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation -- 6 m
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

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Environment Clearance for Redevelopment of Sai Baba Dham CHS at CTS No. 13/1, 13/2, 13/10 at Borivali, Mumbai, Maharashtra proposed by Unique Shanti Developers LLP

Introduction:-

Representative of PP was present during the meeting along with Environmental consultant M/s MahabalEnviro Engineers. PP informed that this is SRA Development Project. The details of the project are ,

1. Plot area : 4,542.70 m2
2. FSI : 13,935.98 m2
3. Non-FSI : 15,950.00 m2
4. Total BUA : 29,885.98 m2
5. Building Configuration:

Tower 1: Gr. floor Comm.+ 1st floor (Pt.) Comm.+ 1st to 2nd (Pt.) & 3rd to 5th Podium floor+ 6th to 20th upper floor (Residential); 63.85 m

Tower 2: Gr. floor Comm.+ 1st floor (Pt.) Comm.+ 1st to 2nd (Pt.) & 3rd to 5th Podium floor+ 6th to 19th & 20th (Pt.) upper floor (Residential); 63.85 m

6. Total Population: Total population: 1,136 Nos. (167 flats and 3,014 m2 commercial area)
7. Water Requirement: 126 KLD
8. Sewage Generation: 118 KLD
9. STP capacity & Technology: 1 STP of 150 KLD capacity with MBBR technology
10. STP Location : Underground
11. RG Required & Provided: RG Required: 431.56 m2 and RG provided: 490.89 m2
12. Energy Requirement: Demand Load- 1.3 MW (Reliance)
13. Energy Saving (total): Total Savings- 20 % (By Solar- 14%)
14. No. of DG Set and Capacity: 2 Nos., 1 x 250 kVA & 1 x 320 kVA
15. Biodegradable waste Generation: 287 kg/day
16. OWC Capacity: 300 kg/day
17. Parking: 4W provided: 227 Nos. and 2W provided: 119 Nos
18. EMP Cost: Capital Cost: 80 Lakh, O&M: 19.5 Lakh/yr.
19. Rainwater Harvesting: 2 RWH tanks with 40 KL total capacity
20. Details of UG Tanks: UG Tanks are provided
21. CER: Project Cost: Rs. 125 Cr, CER to spend: Rs. 93.75 Lakh (0.75% Brownfield)

Deliberation:-

Committee noted that the proposal was earlier considered in 74th SEAC-2 meeting held on15th October,2018. During the meeting the proposal was deferred with compliance raised. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent.

During deliberation, PP and his accredited Consultant informed that due to revise in DC Rules ,the total plot area is get reduced which leads to change in entire profile of the buildings, the entire built-up area ,RG area ,amenity area as well as other environmental parameters. Therefore, PP requested to give edit option to revise consolidated statement.

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 (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

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DECISION OF SEAC

In view of above discussions,Committee is in opinion that the entire project will undergo changes. Therefore, there is no any point to appraise the compliance of earlier meeting.
Hence, Committee decided to appraise the proposal freshly once the consolidated statement revised by PP.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th - Day-1 **Meeting Date** June 30, 2020

Subject: Environment Clearance for Proposed "Synergy Commercial complex"

Is a Violation Case: No

1.Name of Project	Synergy Commercial complex"
2.Type of institution	Private
3.Name of Project Proponent	Shakti Commercial Premises Soc. Ltd
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Commercial complex"
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no.1 A, Sector 19 D, Vashi, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Vashi
Correspondence Name:	Mr. Raj Shah
Room Number:	401
Floor:	Above Axis Bank
Building Name:	Sai Heirtage
Road/Street Name:	Tilak Road,
Locality:	Tilak Road,
City:	Mumbai- 400077
11.Whether in Corporation / Municipal / other area	Navi Mumbai Municipal Corporation.
12.IOD/IOA/Concession/Plan Approval Number	NOT APPLICABLE
	IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE
	Approved Built-up Area: 12064
13.Note on the initiated work (If applicable)	NOT APPLICABLE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOT APPLICABLE
15.Total Plot Area (sq. m.)	8,042.70
16.Deductions	0
17.Net Plot area	8,042.70
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12,064
	b) Non FSI area (sq. m.): 35,803.87
	c) Total BUA area (sq. m.): 47867.87
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	5585.79
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	69.4
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial & 1	Basement + Ground + 1st to 3rd Podium level parking + 4th to 16th UF floors	69.95

23.Number of tenants and shops	Shops - 50, Offices - 259
24.Number of expected residents / users	3020
25.Tenant density per hectare	3754
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	11 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 M
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

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Dry season:	**Source of water**	NMMC
	Fresh water (CMD):	39
	Recycled water - Flushing (CMD):	122.10
	Recycled water - Gardening (CMD):	4.80
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	165.51
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	3.70
Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	39
	Recycled water - Flushing (CMD):	122.10
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	160.71
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	8.5
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.00 m to 3.50 m
	Size and no of RWH tank(s) and Quantity:	1 no. x 76 cu.m
	Location of the RWH tank(s):	Basement floor
	Quantity of recharge pits:	0
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	Rs. 20.50 Lacs
	Budgetary allocation (O & M cost) :	Rs. 4.10 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Ground level Details of UG tanks: Fire Tank – 200 kld, Domestic tank – 34.50 kld, Flushing Tank – 88.00 kld
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained.
	Quantity of storm water:	will be designed as per maximum rainfall
	Size of SWD:	450 mm x 450 ~ 830 mm
Sewage and Waste water	**Sewage generation in KLD:**	136.50
	STP technology:	MBBR
	Capacity of STP (CMD):	1 NO. AND 150 CMD
	Location & area of the STP:	STP below ramp
	Budgetary allocation (Capital cost):	Rs. 60.50 Lacs
	Budgetary allocation (O & M cost):	Rs. 3.60 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	All Excavated earth of shall be used for backfilling on site.
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to NMMC approved land filling sites.
Waste generation in the operation Phase:	**Dry waste:**	272
	Wet waste:	332
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	82
	Others if any:	0

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Mode of Disposal of waste:	**Dry waste:**	segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	mix with wet waste and convert that into compost
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	44 Sq. m.
	Area for machinery:	INCLUDING AREA FOR MACHINERY
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.00 LACS
	O & M cost:	Rs. 0.60 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 :**	1156
	No of trees to be cut :	0
	Number of trees to be planted :	80
	List of proposed native trees :	ATTACHED AS ANNEXURE I
	Timeline for completion of plantation :	4 YEARS FROM START OF CONSTRUCTION

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	62.5 KVA
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	3886 KW
	During Operation phase (Demand load):	2145 KW
	Transformer:	5 Nos of 630 kVA
	DG set as Power back-up during operation phase:	1 x 200 KVA & 1 x 125 kVA
	Fuel used:	HSD / Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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Energy savings measures:
• Using Solar PV Panels
• Using regenerative type of lifts system
• Using ventilation fans with VFD
• Using inverter based VRV system
• Using water pumps for Energy Meter for monitoring
Detail calculations & % of saving:
Providing PV panels 1 % of maximum Demand Load 21.45
Providing 6 kWP it will 24 kWH

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Solar PV Panels, Using regenerative type of lifts system , ng ventilation fans with VFD, Using inverter based VRV system , Using water pumps for Energy Meter for monitoring	Providing PV panels 1 % of maximum Demand Load 21.45 Providing 6 kWP it will 24 kWH

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. 10.50 Lacs
	O & M cost:	Rs. 1.05 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	Debris/Top soil Management	NA	3.00
2	Toilets for labour + drinking water + first aid arrangement	NA	1.5
3	Health and Safety of Labourers	NA	5.00
4	Monitoring of Environmental Parameters	NA	2.00
5	Environment monitoring cell	NA	2.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	60.50	0.45 / Month
2	Solid Waste Management	NA	3.00	0.60
3	Rain Water Harvesting	NA	20.50	4.10
4	Green Belt	NA	1.00	0.20
5	Energy saving features + Solar Water Heater/ Solar Power	NA	10.50	1.05

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6	Fire Fighting measures	NA	150.00	30
7	Monitoring of Environmental Parameters	NA	0	2.50
8	ENVIRONMENT MONITORING CELL	NA	0	3.15

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	0
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	3 Nos. & 4425 Sq.m
	Total Parking area:	5100 Sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	28
	Number of 4-Wheelers as approved by competent authority:	286
	Public Transport:	NIL
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	0

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for proposed construction Synergy Commercial complex" at Plot no.1 A, Sector 19 D, Vashi, Navi Mumbai by Shakti Commercial Premises Soc. Ltd.

PP submitted letter of absence hence the matter is deferred.

DECISION OF SEAC

PP submitted letter of absence hence the matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000436

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th - Day-1 **Meeting Date** June 30, 2020

Subject: Environment Clearance for Proposed development of Residential project with shopline at S. No. 371B, H. No. 1, 2, 3, 4, 5, at Village: Juchandra, Tal.-Vasai, Dist.-Palghar. by Reliable Homemakers and Infrastructure Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Reliable Homemakers And Infrastructure Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Quaidjohar Maqbulhussain Miyajiwala
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 Project with Shop Line
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Residential Project with Shop Line
8.Location of the project	At S. No. 371B, H. No. 1, 2, 3, 4, 5, at Village: Juchandra, Tal.-Vasai, Dist.-Palghar.
9.Taluka	Vasai
10.Village	Juchandra
11.Whether in Corporation / Municipal / other area	Vasai Virar city Municipal corporation (VVCMC)
12.IOD/IOA/Concession/Plan Approval Number	RDP Order No. VVCMC/TP/RDP/VP-0123/0148/2013-14. Dt. 10.07.2013
	IOD/IOA/Concession/Plan Approval Number: RDP Order No. VVCMC/TP/RDP/VP-0123/0148/2013-14. Dt. 10.07.2013
	Approved Built-up Area: 15485.43
13.Note on the initiated work (If applicable)	Total Constructed Area: 19,684.30 m2 [FSI Area: 13,750.33 m2 + NON FSI Area: 5,933.97m2] As per approved plan
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	RDP Order No. VVCMC/TP/RDP/VP-0123/0148/2013-14. Dt. 10.07.2013
15.Total Plot Area (sq. m.)	20,160.00 m2
16.Deductions	6946.48 m2
17.Net Plot area	13,213.52 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 23,015.13 m2
	b) Non FSI area (sq. m.): 18,389.58 m2
	c) Total BUA area (sq. m.): 41404.71
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2884.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.83%
21.Estimated cost of the project	710000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 01 (A to G wing)	G+7th floors	23.80 m
2	Building No. 02 (H to M wing)	G+7th floors	23.80 m
3	Building No. 03 (A to C wing)	G+14th Floors	44.10 m
4	CFC Building	G+2nd floor	11.55 m

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23.Number of tenants and shops	Flats: 824 Nos., Shops: 6 Nos. Hall: 2 Nos.
24.Number of expected residents / users	4,210 Nos
25.Tenant density per hectare	417/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)	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**	VVCMC
	Fresh water (CMD):	372 KLD
	Recycled water - Flushing (CMD):	188 KLD
	Recycled water - Gardening (CMD):	13 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	560 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	316 KLD

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Wet season:	**Source of water**	VVCMC + RWH
	Fresh water (CMD):	301 + 71 KLD
	Recycled water - Flushing (CMD):	188 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	560 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	330 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	4 RWH tank with total capacity: 150 KLD
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	35 lakh
	Budgetary allocation (O & M cost) :	3.0 Lakh/year
	Details of UGT tanks if any :	Below Ground
35.Storm water drainage	**Natural water drainage pattern:**	Towards North side
	Quantity of storm water:	2,586.20 m3/hr
	Size of SWD:	450 mm X 850 mm vide

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Sewage and Waste water	**Sewage generation in KLD:**	523 KLD
	STP technology:	STP Technology Oxic Anoxic media Growth Treatment
	Capacity of STP (CMD):	550 KLD
	Location & area of the STP:	Ground floor
	Budgetary allocation (Capital cost):	116 Lakh
	Budgetary allocation (O & M cost):	22 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: 1202 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:**	831
	Wet waste:	1,247
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	5.0 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 use as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	50 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	52 Lakh
	O & M cost:	21 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 :**	Required RG: 2,642.70 m2, Provided: 2,680.08 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Trees to be Planted: 252 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	Lagerstromia Reginea	Taaman	30	Official state tree
2	Saraca indica	Sita Ashok	35	Hardly evergreen tree, grows well in warm climate
3	Butea Monosperma	Palash	22	Medium deciduous tree with bright flowers
4	Anthocephalus kadamba	Kadamb	10	Deciduous tree, large foliage & beautiful tree
5	Murraya exotica	Kunti	13	Small, evergreen tree, good for gardens

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6	Alstonia scholaris	Satvin	16	Shady, large evergreen tree, white fragrant flowers
7	Pongamia pinnata	Karanj	15	Shady tree
8	Albizia lebbeck	Shirij	31	Shady tree, yellowish green fragrant flowers
9	Erythrina Variegata	Coral Tree	7	Deciduous flowering tree, quick growing tree
10	Manilkara Zapota	Chicu	7	Fruit tree attracting birds
11	Syzygium Cumini	Jaamun Tree	8	Fruit tree attracting birds
12	Ailanthus excelsa	Maharukh	22	Large tree, good for roadside plantation
13	Cocos nucifera	coconut	36	Palm tree
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Chitrak	-	-
2	Raphis Palm	-	-
3	Kunti	-	-
4	Wedelia	-	-
5	Kardal	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	250 kVA
	During Operation phase (Connected load):	3.2 MW
	During Operation phase (Demand load):	1.8 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	2 x 350 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
• Solar lighting in garden and road
• Solar hot water for residential buildings
• Solar street lights will be proposed
• Energy efficient lighting fixtures (LED lights) to all buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Savings	20.69%
2	Energy saving through renewable energy sources	16%

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:**	56 Lakh
	O & M cost:	3 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation (Toilets)	-	4
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	Potable Water Supply to Labour Camp	-	3.5
5	Health check-up & first aid	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	3
7	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	2
8	Safety nets	-	6
9	Tyre cleaning and Vehicle maintenance	-	2.5
10	Solid Waste Management & Site maintenance activity	-	3

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11	Safety - Training to Workers (Twice in Year), Safety Officer	-	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	116	22
2	Solar Hot Water	Monthly	56	3
3	Rain Water Harvesting	Only for filtration plant	35	3
4	Solid waste Composting plant	Continuous O & M	52	21
5	Landscape	Daily	26	4
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The proposed project site is accessible 20.0 m wide DP Road.

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2,983.5 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	830 Nos
	Number of 4-Wheelers as approved by competent authority:	61 Nos
	Public Transport:	-
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	118th MCZMA meeting Item no. 1 Authority decided to confirm the CRZ status as follows: 371B/1 (CRZ 1A: 1981.5 m2, CRZ II: 1930.9 m2, Area not affected by CRZ: 265.8 m2) 371B/2 (CRZ II: 2,717.2 m2, Area not affected by CRZ: 2580) 371B/3 (Area not affected by CRZ: 1827.7 m2) 371B/3 (Area not affected by CRZ: 799.08 m2) 371B/3 (Area not affected by CRZ: 8057.7 m2)
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Project site is 5 km away from Tungareshwar Wildlife Sanctuary.
	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	03-05-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

Environment Clearance for Proposed development of Residential project with shopline at S. No. 371B, H. No. 1, 2, 3, 4, 5, at Village: Juchandra, Tal.-Vasai, Dist.-Palghar. by Reliable Homemakers and Infrastructure Pvt. Ltd.

PP submitted letter of absence hence the matter is deferred.

DECISION OF SEAC

PP submitted letter of absence hence the matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

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Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th - Day-1 **Meeting Date** June 30, 2020

Subject: Environment Clearance for "Ecocity" –Township under Rental Housing Scheme of MMRDA

Is a Violation Case: No

1.Name of Project	"Ecocity" –Township under Rental Housing Scheme of MMRDA
2.Type of institution	Green Building
3.Name of Project Proponent	M/s. TATA Housing Development Co. Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Rental Housing Scheme of MMRDA
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Amendment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Environmental Clearance dated 17.09.2011 and Amendment in Environmental Clearance dated 08.12.2014
8.Location of the project	S. No. 32, 34, 35, 36, 37, 49, H. No. 1 to 9, S. No. 50, 51, 52, H. No. 2, 4/2 S. No. 53., H. No. 1A & 8, S. No. 16 & 18 of village Ranjanoli, Bhiwandi Taluka, District Thane
9.Taluka	Bhiwandi
10.Village	Ranjanoli
11.Whether in Corporation / Municipal / other area	Local Planning Authority: Mumbai Metropolitan Region Development Authority (MMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate: SROT / BSNA / 2501 / BP / Amended / Ranjnoli-02/454/2017 dated 6th April 2017 AND Locational Clearance: MMRDA / RHD / RHS – 24 (II) / 2016 / 10 dated 10th Jan 2017
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate: SROT / BSNA / 2501 / BP / Amended / Ranjnoli-02/454/2017 dated 6th April 2017 AND Locational Clearance: MMRDA / RHD / RHS – 24 (II) / 2016 / 10 dated 10th Jan 2017
	Approved Built-up Area: 329053.87
13.Note on the initiated work (If applicable)	•Total constructed work (FSI+ Non FSI): 2, 62,097.10 Sq. m. • Received Environmental Clearance dated 17.09.2011 and Amendment in Environmental Clearance dated 08.12.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Environmental Clearance (EC) received dated 17.09.2011 and 08.12.2014
15.Total Plot Area (sq. m.)	93,095.55 Sq. m.
16.Deductions	10,832.19 Sq. m.
17.Net Plot area	82,263.36 Sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,91,527.92
	b) Non FSI area (sq. m.): 2,44,064.48
	c) Total BUA area (sq. m.): 5,35,592.40
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	17048.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.7
21.Estimated cost of the project	7250000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Phase 1: Rental - Building 2A	Ground + 23 floors	67.55
2	Phase 1: Rental - Building 2B	Ground + 23 floors	67.55

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3	Phase 1: Sale - Building A2	3 Parking floors + Stilt + 24 Upper floors	83.00
4	Phase 1: Sale - Building A3	3 Parking floors + Stilt + 24 Upper floors	83.00
5	Phase 1: Sale - Building A4	3 Parking floors + Stilt + 24 Upper floors	83.00
6	Phase 1: Sale - Building A5	3 Parking floors + Stilt + 24 Upper floors	83.00
7	Phase 1: Sale - Building A8	3 Parking floors + Stilt + 29 Upper floors	97.50
8	Phase 1: Sale - Building A9	3 Parking floors + Stilt + 29 Upper floors	97.50
9	Phase 1: Sale - Building A10	3 Parking floors + Stilt + 29 Upper floors	97.50
10	Phase 1: Sale - Building A11	3 Parking floors + Stilt + 29 Upper floors	97.50
11	Phase 1: Sale - Building B6	3 Parking floors + Stilt + 24 Upper floors	83.00
12	Phase 1: Sale - Building B12	3 Parking floors + Stilt + 29 Upper floors	97.50
13	Phase 1: Sale - Building C1	3 Parking floors + Stilt + 34 Upper floors	114.90
14	Phase 1: Sale - Building D7	3 Parking floors + Stilt + 29 Upper floors	97.50
15	Phase 2 : Rental - Building 1	Ground + 22 floors + 23rd Part floor	67.55
16	Phase 2 : Sale - Building C13	3 Parking floors + Stilt + 37 floors	120.70
17	Phase 2 : Sale - Building C14	3 Parking floors + Stilt + 37 floors	120.70
18	Phase 2 : Sale - Building C15	3 Parking floors + Stilt + 37 floors	120.70
19	Phase 2 : Sale - Building C16	3 Parking floors + Stilt + 37 floors	120.70
20	Phase 2 : Sale - Building D17	3 Parking floors + Stilt + 37 floors	120.70
21	Phase 2 : Sale - Building D18	3 Parking floors + Stilt + 37 floors	120.70

23.Number of tenants and shops	Phase 1: Rental: Total Flats: 2488 Nos.; Shops: 24 Nos. ; Balwadi: 12 Nos.; Welfare Center: 12 Nos.; Manager cabin: 5 Nos.; Meter room: 24 Nos. Phase 1 : Sale: Total Flats: 1642 Nos. Phase 2: Rental: Total Flats: 1086 Nos.; Shops: 6 Nos.; Balwadi: 3 Nos.; Welfare Center: 3 Nos.; Manager cabin: 2 Nos.; Meter room: 8 Nos. Phase 2: Sale: Total Flats: 958 Nos.
24.Number of expected residents / users	Rental: Phase 1 - 12717 nos. ; Sale: Phase 1- 8210 nos. and Rental: Phase 2 - 5503 nos.; Sale: Phase 2 - 4790 nos.
25.Tenant density per hectare	755
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Bhiwandi - Kalyan State Highway (SH – 222) and Mumbai Nashik Highway

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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	--
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**	Shahad Temgarh (STEM) Water Authority
	Fresh water (CMD):	2785
	Recycled water - Flushing (CMD):	1398
	Recycled water - Gardening (CMD):	26
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	4209
	Fire fighting - Underground water tank(CMD):	Phase 1 Rental: 200 KL; Phase 2: Rental: 100 KL Phase 1: Sale: 708 KL AND Phase 2: Sale: 315 KL
	Fire fighting - Overhead water tank(CMD):	Phase 1 Rental: 132 KL; Phase 2: Rental: 66 KL Phase 1: Sale: 378 KL AND Phase 2: Sale: 180KL
	Excess treated water	1839

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Wet season:	**Source of water**	Shahad Temgarh (STEM) Water Authority
	Fresh water (CMD):	2785
	Recycled water - Flushing (CMD):	1398
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	4183
	Fire fighting - Underground water tank(CMD):	Phase 1 Rental: 200 KL; Phase 2: Rental: 100 KL Phase 1: Sale: 708 KL AND Phase 2: Sale: 315 KL
	Fire fighting - Overhead water tank(CMD):	Phase 1 Rental: 132 KL; Phase 2: Rental: 66 KL Phase 1: Sale: 378 KL AND Phase 2: Sale: 180KL
	Excess treated water	1865
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.50 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	28 nos. of Recharge pits
	Size of recharge pits :	3.50 m X 3.50 m X 4.3 m
	Budgetary allocation (Capital cost) :	Rs. 35.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.75 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Underground Phase 1: Rental: Firefighting Tank: 200 KL Phase 1: Rental: Domestic Tank: 1080 KL Phase 1: Rental: Flushing Tank: 545 KL Phase 1: Sale: Firefighting Tank: 708 KL Phase 1: Sale: Domestic Tank: 638 KL Phase 1: Sale: Flushing Tank: 347 KL Phase 2: Rental: Firefighting Tank: 100 KL Phase 2: Rental: Domestic Tank: 540 KL Phase 2: Rental: Flushing Tank: 222 KL Phase 2: Sale: Firefighting Tank: 315 KL Phase 2: Sale: Domestic Tank: 360 KL Phase 2: Sale: Flushing Tank: 325 KL
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the external drain
	Quantity of storm water:	2.31 m3/sec
	Size of SWD:	EXTERNAL DRAIN : 95.72 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Phase 1-Rental = 1467 , Phase 2 - Rental = 638 , Phase 1- Sale = 960, Phase 2 - Sale = 561
	STP technology:	Submerged Aerated Fixed Film Reactor (SAFF)
	Capacity of STP (CMD):	Phase 1-Rental: 2 STP of capacity 760 KL & 715 KL, Phase 2-Rental: 700 KL, Phase 1- Sale & Phase 2 - Sale: Combined STP of 1600 KL
	Location & area of the STP:	Underground. Phase 1-Rental: 1415 Sq. m., Phase 2-Rental: 530 Sq. m., Phase 1- Sale & Phase 2 - Sale: 1450 Sq. m.
	Budgetary allocation (Capital cost):	Rs. 322.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 30.45 Lacs/annum

36.Solid waste Management

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Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material (1,20,000 Cum) is reused on site for backfilling and excavated material (4,000 Cum) has been stacked on site & will be reused for backfilling Excavation material (83,000 Cum)shall be reused on site for backfilling
	Disposal of the construction waste debris:	Use of Construction waste for waterproofing work and paving & landscaping areas & for back filling
Waste generation in the operation Phase:	**Dry waste:**	4197 kg
	Wet waste:	9731 kg
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	544 kg
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	o Non recyclable: To Group Grampanchayat Pimpalghar & Ranjanoli o Recyclable: To recyclers
	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
	Area for the storage of waste & other material:	555 Sq. m.
	Area for machinery:	108 Sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60.00 lacs
	O & M cost:	Rs. 7.44 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

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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 :**	6836.36 Sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	Already planted: 491 nos. & To be planted: 690 nos.
	List of proposed native trees :	As given below 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	Plumeria singaporensis	Dwarf plumeria	8	Ornamental plant that is planted for its profuse and fragrant flowers.
2	Cassia fistula	Bahava	120	Is widely grown as an ornamental plant. Growth for this tree is best in full sun on well-drained soil; it is relatively drought tolerant and slightly salt tolerant. It attracts bees and butterflies for pollination.
3	Roystonea regia	Royal palms	2	Roystonea regia has been planted throughout the tropics and subtropics as an ornamental.[16] The seed is used as a source of oil and for livestock feed. Leaves are used for thatching and the wood for construction

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4	Cascabela thevetia	Thevetia species	420	Cascabela thevetia is cultivated as an ornamental plant, and planted as large flowering shrub or small ornamental tree standards in gardens and parks in temperate climates.The plant's toxins have tested in experiments for uses in biological pest control. T. peruviana seed oil was used to make a 'paint' with antifungal, antibacterial and anti-termite properties
5	Cordia sebestena	Siricote	40	The tree is sometimes harvested from the wild for its edible fruit, which is eaten locally. The fruit also has medicinal uses and the timber is used locally.
6	Putranjiva roxburghii	Putranjiva	100	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Torrent Power Company Limited
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	3 Nos. of capacity 62.5 kVA,125 kVA and 40 kVA
	During Operation phase (Connected load):	20578 KW
	During Operation phase (Demand load):	14405 KW
	Transformer:	6 nos. of 1250 kVA and 2 nos. of 1000 kVA
	DG set as Power back-up during operation phase:	Phase 1: Rental: 2 D.G. Sets of capacity 380 kVA and 600 kVA; Phase 1: Sale; 6 D.G. Sets of capacity 250 kVA each 1 D.G. Set of capacity 380 kVA 1 D.G. Set of capacity 600 kVA ; Phase 2: Rental:2 D.G. Sets of capacity 380 kVA and 600 kVA AND Phase 2 : Sale:3 D.G. Sets of capacity 300 kVA each 1 D.G. Set of capacity 220 kVA 1 D.G. Set of capacity 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	High Tension Line is passing through the plot. NOC received from Maharashtra State Electricity Co. Ltd. for horizontal and vertical clearances

48.Energy saving by non-conventional method:

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? Provision of Solar Water Heating
? Use of High Efficiency Motors
? Provision of LED lights
? Using motors with VDF control

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	? Provision of Solar Water Heating ? Use of High Efficiency Motors ? Provision of LED lights ? Using motors with VDF control	20 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 270.00 lacs (Solar system)
	O & M cost:	Rs. 5.40 lacs/annum (Solar system)

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	5.40
2	Air Environment	Air & Noise Quality Monitoring - On site sensors	10.00
3	Air Environment	Air & Noise Quality Monitoring -By outside MOEF Approved Laboratory	5.50
4	Air Environment	Batching Plant monitoring	1.07
5	Water Environment	Drinking water analysis	0.90
6	Land Environment	Site Sanitation	10.00
7	Socio- Economic Environment	Disinfection- Pest Control & Health Check Up of workers	156.00
8	Cost towards Disaster Management	--	159.75

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air and Noise Environment	Cost for Gardening	65.16	1.20
2	Air and Noise Environment	Cost for Ambient Air quality & Noise Monitoring	*No set up cost is involved	0.22
3	Air and Noise Environment	Cost for Cost for DG Stack Exhaust Monitoring	*No set up cost is involved	0.11

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4	Water Environment - Waste water treatment	Cost for Sewage Treatment Plants	250.00	26.10
5	Water Environment - Waste water treatment	Cost for water and Waste water Monitoring - On site sensors	72.00	4.00
6	Water Environment - Waste water treatment	Cost for water and Waste water Monitoring -By outside MOEF Approved Laboratory	*No set up cost is involved	0.35
7	Water Environment - Waste water treatment	Cost for recharge pits	35.00	1.75
8	Land Environment (Solid Waste Management)	Cost for Treatment of biodegradable garbage	60.00	7.20
9	Land Environment (Solid Waste Management)	Cost for Manure Costing	*No set up cost is involved	0.24
10	Energy Conservation	Cost for Solar System	270.00	5.40
11	Cost towards disaster management	-	368.00	11.25

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two entry and exits

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 Parking levels (81, 728.86 Sq. m.)
	Total Parking area:	1, 18, 711.60 Sq. m.
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	5265 Nos.
	Number of 4-Wheelers as approved by competent authority:	3580 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 9.0 m. to 18.0 m.
	CRZ/ RRZ clearance obtain, if any:	A small portion of our plot is affected by CRZ and please note that we are neither developing nor we are loading any FSI of that portion in our development. Hence it is not a part of our rental housing scheme sanctioned by MMRDA the plot under consideration.
	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.	Yes
	Date of online submission	24-12-2015

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

Environment Clearance for "Ecocity" –Township under Rental Housing Scheme of MMRDA at S. No. 32, 34, 35, 36, 37, 49, H. No. 1 to 9, S. No. 50, 51, 52, H. No. 2, 4/2 S. No. 53., H. No. 1A & 8, S. No. 16 & 18 of village Ranjanoli, BhiwandiTaluka, District Thane by M/s. TATA Housing Development Co. Ltd.

PP requested SEIAA / SEAC by letter dated 19/02/2018 to reimburse scrutiny fee paid.Committee noted that once scrutiny Fees paid not be refunded. But SEIAA, is final authority to take decision in this regard. Therefore, Committee decided to refer the proposal to SEIAA.

DECISION OF SEAC

Committee noted that once scrutiny Fees paid not be refunded. But SEIAA, is final authority to take decision in this regard. Therefore, Committee decided to refer the proposal to SEIAA.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

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Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th - Day-1 **Meeting Date** June 30, 2020

Subject: Environment Clearance for Environmental Clearance for Proposed Basalt Stone Quarry (Minor Mineral Project) of Shri. Pramod Gajanan Bhoir at Gat No: 210, 212/1, Mande Village, Wada, Palghar District, Maharashtra. (Total Plot Area 4.77 Ha)

Is a Violation Case: No

1.Name of Project	Shree. Pramod Gajanan Bhoir
2.Type of institution	Private
3.Name of Project Proponent	Shree. Pramod Gajanan Bhoir
4.Name of Consultant	Enviro Resources
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat No: 210, 212/1
9.Taluka	Wada
10.Village	Mande
Correspondence Name:	Shree. Pramod Gajanan Bhoir
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Kharivali
City:	Kohoj , Thane
11.Whether in Corporation / Municipal / other area	Other Area (Project land is falling under jurisdiction of Grampanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Since it is Basalt Stone Mining Project, Mining Plan has been approved by DGM, Kolhapur as per provision of Maharashtra Minor Mineral Extraction Rules, 2013
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No MIN-Adm/503/III/2018/1056 dated 24th September 2018
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat is received on 16.08.2018
15.Total Plot Area (sq. m.)	47700 Sq.m. (4.77 Ha.)
16.Deductions	0
17.Net Plot area	47700 Sq.m. (4.77 Ha.)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 02-05-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5700000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone (Stone Metal)	0	33750	33750

32.Total Water Requirement

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Dry season:	**Source of water**	Water Tankers
	Fresh water (CMD):	3.10
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	3.10
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	0.5	0.5	0	0.1	0.1	0	0.4	0.4
Industrial Process	0	1.15	1.15	0	1.15	1.15	0	0	0
Gardening	0	1.45	1.45	0	1.45	1.45	0	0	0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx 10m
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is from East to west within the project site. The runoff will be maintained by providing garland drains around the quarry boundary to maintain the natural slopes
	Quantity of storm water:	Around 11.30 m3/hr of storm water will be generated within the lease area
	Size of SWD:	The runoff will be connected to garland drain
Sewage and Waste water	**Sewage generation in KLD:**	0.4
	STP technology:	Not Applicable; Septic Tank Followed by Soak pits will be provided
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	0.50 Lacs
	Budgetary allocation (O & M cost):	0.15 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	The overburden of 125221 tons will be generated during proposed quarry operation of 5 years

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Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden from mining operation will be utilized for development and maintenance of Internal Road, greenbelt and for filling of empty pits during course of mine closure
Area requirement:	**Location(s):**	Overburden will be stored along the lease boundary, close to greenbelt area.
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not Applicable	10 liter/ day	10 liter/ day

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41.Source of Fuel	Local
42.Mode of Transportation of fuel to site	Fuel storage cans through vehicle

43.Green Belt Development	**Total RG area :**	7658 Sq.m. (0.76 Ha)
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	96
	List of proposed native trees :	Neem, Mango, Sagon, Bargad, Sheesham, Peepal
	Timeline for completion of plantation :	Plantation will be done after grant of EC and lease or during monsoon period

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	16	Tolerant to SO2
2	Mangifera indica	Mango	16	Tolerant to Dust control
3	Tectona grandis	Sagon	16	Tolerant to Dust control
4	Ficus benghalensis	Bargad	16	Tolerant to Dust control
5	Dalbergia sisoo	Sheesham	16	Dust particles absorbance
6	Ficus religiosa	Peepal	16	Dust particles absorbance
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust generation due to internal vehicular movement	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
PM generation due to drilling and blasting operation	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
Emissions from Vehicles	Not Applicable	PUC certified vehicles will be used
Noise generation	Not Applicable	PPEs will be provided for workers, maintenance of equipment's will be done to avoid higher noise level

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Water/ soil pollution due to direct discharge of sewage water on land	Not Applicable	Septic tank followed by soak pits will be provided

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not Applicable
	O & M cost:	Not Applicable

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

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	Dust suppression system, Water Sprinklers, Provision of Tarpaulin, PUC for vehicles	0.0	1.1
2	Water Environment	on-site temporary sanitation facilities & septic tank followed by soak pit	0.50	0.15
3	Noise Environment	Maintenance of Vehicle and machineries	0.0	0.21
4	Soil Environment	Construction and & Maintenance of Garland to avoid soil erosion during monsoon period	0.30	0.10
5	Environment Monitoring & Management	Monitoring of AAQ & Ground Water	MoEF or NABL Accredited Laboratory	0.50
6	Occupational Health & Safety	Provision of new PPEs for workers, Safety training for workers, Periodic Medical Checkup, First Aid	0.50	0.22
7	Green Belt	Green Belt development and its maintenance	0.24	0.29
8	Road	Maintenance of Road and its further development	0.67	0.27
9	Mine Closure	Implementation of Mine Closure Plan	2.38	0.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

Environment Clearance for Proposed Basalt Stone Quarry (Minor Mineral Project) at Gat No: 210, 212/1, Mande Village, Wada, Palghar District, by Shri. Pramod Gajanan Bhoir

Committee observed that this is the proposal of stone quarry mining related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

DECISION OF SEAC

SEAC-AGENDA-0000000436

Committee observed that this is the proposal of stone quarry mining related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

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