Agenda for 111th SEAC-3 meeting scheduled on 09th, 10th and 13th July, 2020 through Video Conference

SEAC Meeting number: 111 **Meeting Date** July 9, 2020

Subject: Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra

Is a Violation Case: No

1.Name of Project	Application for Amendment in Environment Clearance Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP
4.Name of Consultant	M/s Ultra-Tech
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, 1st Environment Clearance has been obtained for project vide letter No. SEACIII 2015/CR-17/TC-2 dated 04-06-2016 for Plot area of 1, 73,800 m2 and built-up area of 3,89,865.74 m2. 2nd EC received for expansion in earlier EC SEIAA-EC-0000000542 dated 30.11.2018
8.Location of the project	Sr. no. 9 to 14 Hissa no.1/71
9.Taluka	Haveli
10.Village	Keshavnagar Mundhawa.
Correspondence Name:	Mr. Anirudha Uttam Seolekar
Room Number:	501
Floor:	--
Building Name:	Kensington Court
Road/Street Name:	Lane No. 5, Off North Main Road,
Locality:	Koregaon Park
City:	Pune - 411001
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Layout & Building Plan
	IOD/IOA/Concession/Plan Approval Number: Will be applied
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Work has been initiated on site as per EC received dated 30.11.2018.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanctioned layout bearing no. BHA/816/16-17/Mouze Mundhawa/s.no. 9 to 14 hissa no. 1 to 11 & other dated 04/10/2017.
15.Total Plot Area (sq. m.)	1,73,800.00
16.Deductions	3,666.45
17.Net Plot area	1,44,612.96
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 293725.01
	b) Non FSI area (sq. m.): 217945.01
	c) Total BUA area (sq. m.): 511670.02
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 293725.01
	Approved Non FSI area (sq. m.): 184083.02
	Date of Approval: 01-04-2019
19.Total ground coverage (m2)	44,235
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34

SEAC-AGENDA-0000000439

21.Estimated cost of the project	17090000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	P1+P2+28	91.3
2	2	P1+P2+22	74.5
3	3	P1+P2+22	74.5
4	4	P1+P2+P3+22	78.1
5	5	P1+P2+P3+22	74.5
6	6A	P1+P2+17	59.5
7	6B	P1+P2+17+shops	59.5
8	7	P1+25+shops	80.1
9	8	P1+P2+P3+P4+27	90.8
10	9	P1+P2+P3+P4+27	93.75
11	10	P1+P2+P3+P4+25	88.1
12	11	P1+P2+P3+P4+23	82.1
13	12	P1+P2+P3+P4+P5+25	94.4
14	13	P1+P2+P3+P4+P5+25	94.4
15	14	P1+P2+P3+P4+P5+25	94.4
16	15	P1+P2+P3+P4+P5+25	94.4
17	16	P1+P2+P3+P4+P5+25	94.4
18	17	STILT+25	80.1
19	18	STILT+25	80.1
20	19	P1+P2+2	-

23.Number of tenants and shops	Residential - 3,528 nos. Commercial complex - 60 nos.
24.Number of expected residents / users	Residential: 17,640 Nos. Commercial: 700 Nos.
25.Tenant density per hectare	281.89 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire Station is situated at: Yerawada Fire Brigade Station Road width : 12 m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning radius for easy access of fire tender movement 9 m
29.Existing structure (s) if any	Phase-I : 6 buildings

SEAC-AGENDA-0000000439

30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	1602
	Recycled water - Flushing (CMD):	812
	Recycled water - Gardening (CMD):	130
	Swimming pool make up (Cum):	45
	Total Water Requirement (CMD) :	2544
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	25 KLD per Tower
	Excess treated water	26 959
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	1602
	Recycled water - Flushing (CMD):	812
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	45
	Total Water Requirement (CMD) :	2414
	Fire fighting - Underground water tank(CMD):	900
	Fire fighting - Overhead water tank(CMD):	25 KLD per Tower
	Excess treated water	1089
Details of Swimming pool (If any)	Phase I: 243.88 m2 Phase II: 231.00 m2 Phase III: 277.20 m2	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

SEAC-AGENDA-0000000439

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:**	Summer Season – 28.75 m to 36.88 m BGL Rainy Season – 8.50 m. to 18.00 BGL Winter Season – 18.63 m to 27.44 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	No of Recharge pit with bore well: 21 nos.
	Size of recharge pits :	Size of the Recharge bore well: 3m x 3m x 3m
	Budgetary allocation (Capital cost) :	Rs. 87.5 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 5 Lakhs/annum
	Details of UGT tanks if any :	Residential: Domestic UG tank Capacity: --1470 CMD Flushing UG tank Capacity: -- 864 CMD Fire UG tank Capacity: -- 900 CMD Commercial: Domestic UG tank Capacity: 14 CMD Flushing UG tank Capacity: 17.5 CMD Fire UG tank Capacity: Combined with residential component
35.Storm water drainage	**Natural water drainage pattern:**	South East to North West
	Quantity of storm water:	1771 Cum/day
	Size of SWD:	External SWD: River Internal SWD: 600 (W) mm x 900 (D) mm 600 (W) mm x 800 (D) mm 700 (W) mm x 900 (D) mm 700 (W) mm x 900 (D) mm
Sewage and Waste water	**Sewage generation in KLD:**	Residential: 2064, Commercial: 29
	STP technology:	MBBR
	Capacity of STP (CMD):	480 KL & 415 KL, 580 KL, 610 KL, 28 KL
	Location & area of the STP:	As per Master Layout
	Budgetary allocation (Capital cost):	Rs. 315 Lakhs
	Budgetary allocation (O & M cost):	Rs. 43 Lakhs/Annum

36.Solid waste Management

SEAC-AGENDA-0000000439

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	63 kg/day
	Disposal of the construction waste debris:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	**Dry waste:**	3612 kg/day
	Wet waste:	5348 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	330 kg/day
	Others if any:	Not any
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorised vendor SWACH.
	Wet waste:	Floor to floor collection and segregation of dry and wet waste and collected separately. Wet waste will be treated in an organic waste converter (OWC).
	Hazardous waste:	Will be handed over to authorized vendor
	Biomedical waste (If applicable):	Not any
	STP Sludge (Dry sludge):	Will be used as manure for landscaping after treatment in OWC.
	Others if any:	Not any
Area requirement:	**Location(s):**	Near entrance
	Area for the storage of waste & other material:	700 m2
	Area for machinery:	300 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50 Lakhs
	O & M cost:	Rs. 10 Lakhs/Annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

SEAC-AGENDA-0000000489

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 :**	18,344.72 m2
	No of trees to be cut :	19 nos
	Number of trees to be planted :	1810 nos
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Till the completion of the project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegele marmelos	Bel	30	Small deciduous tree with edible fruits that attracts birds.
2	Albizia lebbeck	Shirish	50	Shade giving tree with a large canopy, Nitrogen Fixing tree.
3	Angoeissus latifolia	Dhawda	20	Large deciduous tree with fruits that attract birds
4	Anthocephalus kadamba	Kadamba	50	Evergreen tree with large canopy and fragrant flowers.
5	Azardirachta indica	Neem	50	Shady, Fast growing, large evergreen tree with white fragrant flowers
6	Bauhinia purpurea	Kanchan	40	Small, deciduous tree with pink fragrant flowers, attracts butterflies
7	Butea monosperma	Flame of Forest	40	Large canopy tree with beautiful orange flowers and medicinal properties
8	Cassia fistula	Golden shower tree	50	Medium, fast growing deciduous tree with yellow flowers, acts as butterfly host
9	Cassia nodosa	Pink Casia	40	Large canopy tree with showy, birds and butterflies attracting flowers

SEAC-AGENDA-0000000439

10	Caryota urens	Fishtail Palm	50	Tall growing palm, attracts birds , good for roadside planting
11	Cordia gharaf	Gondan	30	Small deciduous tree with edible fruits that attracts bird
12	Crataeva religiosa	Varun	20	Medium canopy tree which comes along river
13	Dalbergia lanceolaria	Phanshi	30	Small deciduous tree with edible fruits that attracts birds
14	Erythrina indica	Pangara	50	Large canopy tree with beautiful red flowers.
15	Ficus benghalensis	Wad	20	Large canopy tree, forms nesting habitat for birds
16	Ficus glomerata	Umber	30	Large canopy tree, forms food source and nesting habitat for birds.
17	Ficus microcarpa	Nandruk	30	Large evergreen tree forming nesting habitat for birds
18	Hardwickia binata	Anjan	40	Large deciduous tree that attracts birds
19	Largerstroemia flos reginae	Pride of India	40	Shady, medium sized tree with beautiful purple flowers. Also known as the State flower tree of Maharashtra.
20	Madhuka longifolia	Moha	40	Large deciduous tree, that attract birds
21	Mesua ferrea	Nagkesar	40	Flowering, medicinal tree with birds and Butterflies attracting flowers
22	Michelia champaca	Champak tree	50	Shady, medium sized evergreen tree with fragrant yellow flowers. Acts as a butterfly host.
23	Millingtonia hortensis	Indian cork tree	50	Shady, Large, evergreen tree with white fragrant flowers
24	Mimusops elengi	Bakul	50	Large evergreen tree with fragrant flowers, attracts bees, birds
25	Moringa oleifera	Drumstick Tree	30	Edible vegetable, Nitrogen Fixing tree.
26	Ougeinia oojeinensis	Kala Palas	30	Large deciduous tree with beautiful flowers that attracts birds
27	Plumeria alba	Frangipani White	50	Small, evergreen, ornamental tree with white fragrant flowers
28	Pongamia pinnata	Karanj	40	Large deciduous tree that attracts birds
29	Putranjiva roxburghii	Putranjiva tree	40	Shady, medium sized tree with drooping form.
30	Salix tetrasperma	Indian willow	30	Shady, medium sized tree. And good nesting habitat and food source for birds and good riparian tree
31	Saraca asoca	Sita ashok tree	40	Shady, medium sized tree with red and yellow flowers
32	Sesbania grandiflora	Agati	30	Beautiful flowers, Nitrogen Fixing tree

SEAC-AGENDA-000000004139

33	Tamarindus indica	Tamarind	40	Long lived tropical evergreen tree with a spreading crown and evergreen foliage, with brown sticky fruit of sour taste
34	Terminalia bellirica	Beheda	40	Large deciduous tree, that attract birds
35	Terminalia catappa	Indian almond tree	50	Shady, medium sized tree. Forms its canopy like an umbrella. And good nesting habitat and food source for birds
36	Fruit bearing trees	--	--	--
37	Annona cherimola	Custard Apple	20	Deciduous tree grows well in warm climatic conditions, can tolerate long periods of dry weather
38	Atrocarpus integrifolia	Jackfruit	20	Nesting habitat for birds. Dense foliage creates nice shade under it.
39	Atrocarpus lachuca	Breadfruit	30	Large tree, nesting habitat for birds and bears ample fruits during season.
40	Citrus mitis	Orange	40	Plants require maximum sunlight to flower and fruit properly
41	Cocos nucifera	Coconut Tree	40	Known as Kalpataru - since every part of the tree is used
42	Emblica officinalis	Aawala	40	Small deciduous tree that bears medicinal fruits.
43	Ficus carica	Anjeer	30	Delicious variety. Attracts a lot of birds. Needs a sunny location and less water
44	Mangifera indica	Royal Mango	40	Mango is an attractive, lucious, tasty and nutritious fruit with a distinct and pleasant aroma, and delicate flavour
45	Manilkara zapota	Chickoo	40	A real tasty variety of Sapota. The tree too is very ornamental and evergreen. One of the easiest to take care of. Plants are slow growing
46	Psidium gujava kg guava	Guava Large Fruited	40	Owing to its hardy nature, guava is grown successfully in tropical
47	Punica granatum bhagwa	Pomegranate Bhagwa	40	This tree should be planted in full sunlight, grows well in hot and dry condition
48	Syzygium cumini	Jamun	30	Large tree, nesting habitat for birds and bears ample fruits during season.
49	Tamarindus indica red	Tamarind Red	40	The deep red flesh makes it very attractive. Grafted plants ensure early fruiting.
50	Total	--	1810	--
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	Alpinia calcarata	1.2	313.25

SEAC-AGENDA-0000000.pdf

2	Alpinia purpurata	1.2	318.25
3	Asplenium nidus	0.7	188.75
4	Bauhinia acuminata	16.62	415.5
5	Clerodendrum paniculatum	1.2	311.5
6	Cordyline terminalis mahatma	0.9	249
7	Crinum asiaticum	0.8	212
8	Galphimia glauca	1.4	365.5
9	Hedychium coronarium	1.5	386
10	Hedychium flavescens	1.3	331.5
11	Heliconia psittacorum fire flash	1.4	368
12	Heliconia rostrata	0.5	134.5
13	Malvaviscus arboreus mexicanus	0.7	192
14	Murraya exotica	1.3	343.5
15	Strelitzia reginae	1.4	368
16	Tecoma capensis	1.3	332

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 kVA x 1 no.
	During Operation phase (Connected load):	64,607 kW
	During Operation phase (Demand load):	17,828 kW
	Transformer:	630 kVA 44 nos.
	DG set as Power back-up during operation phase:	PH-1: 1 x 625 + 2 x 750 kVA, PH-2: 3 x 625 kVA, PH-3: 3 x 625 kVA, PH-4: 1 x 380 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Green Area - Landscape
- Street Light
- Parking (Light + Socket) Building Façade, Building Periphery, Corridor & Staircase Lighting
- Club House
- Solar Water Heater

49.Detail calculations & % of saving:

SEAC-AGENDA-000000439

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy – Outdoor lightening/ street light	1,11,781 kWh
2	Auto timer Logic Controller	1,34,431 kWh
3	Electronic V3F drive for Lifts	25,500 kWh
4	Solar Water heater	68,985 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. 347 Lakhs
	O & M cost:	Rs. 21 Lakh/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise	Water For Dust Suppression	1.80
2	Air & Noise	Air & Noise monitoring	0.72
3	Water	Tanker water for construction & worker	2.40
4	Water	Water monitoring	0.60
5	Land	Labour toilets Cleaning 10,000 Rs./month	0.50
6	Biological	Gardening & Excavation	11.32
7	Socio	Disinfection at site	0.18
8	Socio	Safety, First Aid, Health Hygiene Facilities	0.18
9	Socio	Health Check Up	2.40
10	Socio	Creches for children	3.00
11	Socio	Personal Protective Equipment	0.18
12	Socio	CFL lamps for labor hutments	1.92
13	Socio	Testing Charges	0.6
14	Total	--	25.8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost	Cost for sewage Treatment Plant	315.0	43.0
2	Rain Water Harvesting	21 nos of recharge pits	87.5	5.0

SEAC-AGENDA-0000000439

3	Environmental Monitoring	By outside MoEF & CC Approved Laboratory	-	83.82
4	Gardening (Including transplantation)	RG area	574.0	57.4
5	Solid waste	Cost for Treatment of biodegradable garbage in OWC	50.0	10.0
6	Energy	Pollution control equipments	347.0	15.0
7	Swimming pool	Construction and maintenance	150.0	15.0
8	WTP cost	Construction and maintenance	85.0	6.5
9	Solar	Provision and maintenence	600.0	80.0
10	TOTAL	-	2,208.50	315.72

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

SEAC-AGENDA-0000000439

Parking details:	**Number and area of basement:**	Not any
	Number and area of podia:	1 Podia/building; Area of the podium = 41145.35 4 nos
	Total Parking area:	1,12,222.37 m2
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	4,906
	Number of 4-Wheelers as approved by competent authority:	1,980
	Public Transport:	Nearest Bus stop
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8b (B1)
	Court cases pending if any	NA
	Other Relevant Informations	We have received Environment Clearance vide SEIAA-EC-0000000542 dated 30.11.2018
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC AGENDA-0000000439

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Subject:	Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra	Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Rejuve (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra by M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP

1.Name of Project	Application for Amendment in Environment Clearance Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Active (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra	Environment Clearance for Amendment in Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Rejuve (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra by M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP
2.Type of institution	Private	Private/ Partner
5.Type of project	Housing project	Township project
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Will be applied	IOD/IOA/Concession/Plan Approval Number: CC/1415/18 dated 10/08/2018
13.Note on the initiated work (If applicable)	Work has been initiated on site as per EC received dated 30.11.2018.	Work has been initiated on site as per EC received dated 04.06.2016 and 30.11.2018. Construction area were completed 1,79,953.60 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanctioned layout bearing no. BHA/816/16-17/Mouze Mundhawa/s.no. 9 to 14 hissa no. 1 to 11 & other dated 04/10/2017.	Sanctioned layout bearing no. BHA/816/16-17/Mouze Mundhawa/s.no. 9 to 14 hissa no. 1 to 11 & other dated 04/10/2017 and revised sanctioned CC/1415/18 dated 10/08/2018
16.Deductions	3,666.45	29,187.04?
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 293725.01	FSI area (sq. m.): 2,04,819.06 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	Non FSI area (sq. m.): 217945.01	Non FSI area (sq. m.): 1,69,435.77 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	Total BUA area (sq. m.): 511670.02	Total BUA area (sq. m.): 3,74,254.83 m2
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 293725.01	Approved FSI area (sq. m.): 170013.95
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.): 184083.02	Approved Non FSI area (sq. m.): 172283.40
18 (b).Approved Built up area as per DCR	Date of Approval: 01-04-2019	Date of Approval: 10/08/2018
22.Number of buildings & its configuration	Building Name & number : 1	Building Name & number : Phase I : T1 : Completed
22.Number of buildings & its configuration	Building Name & number : 2	Building Name & number : Phase I : T2 Completed
22.Number of buildings & its configuration	Building Name & number : 3	Building Name & number : Phase I : T3 Completed
22.Number of buildings & its configuration	Building Name & number : 4	Building Name & number : Phase I : T4 Completed
22.Number of buildings & its configuration	Building Name & number : 5	Building Name & number : Phase I : T5 Completed
22.Number of buildings & its configuration	Building Name & number : 6A	Building Name & number : Phase I : T6A Completed
22.Number of buildings & its configuration	Building Name & number : 6B	Building Name & number : Phase I : T6B Completed
22.Number of buildings & its configuration	Building Name & number : 7 : Building Configuration P1+25+shops Height of the building (Mtrs) : 80.1	Phase II : T7 : Under construction : P1+22+shops : Height of building : 69.90m
22.Number of buildings & its configuration	Building Name & number : 8: Building Configuration: P1+P2+P3+P4+27 : Height of the building (Mtrs) : 90.8	Phase II : T8 : Under construction : P1+P2+P3+20 : Height : 68.15m

SEAC-AGENDA-0000000439

22.Number of buildings & its configuration	Building Name & number : 9: Building Configuration: P1+P2+P3+P4+27 : Height of the building (Mtrs) : 93.75	Phase II : T9 : Under construction : P1+P2+P3+19 : Height : 68.45m
22.Number of buildings & its configuration	Building Name & number : 10: Building Configuration: P1+P2+P3+P4+25 : Height of the building (Mtrs) : 88.1	Phase II : T10: Under construction : P1+P2+P3+19 : Height : 68.45m
22.Number of buildings & its configuration	Building Name & number : 11: Building Configuration: P1+P2+P3+P4+23 : Height of the building (Mtrs) : 82.1	Phase II : T11 : Under construction : P1+P2+P3+19 : Height : 68.45m
22.Number of buildings & its configuration	Building Name & number : 12: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T12 : Not yet Started: P1+P2+P3+P4+14 : Height : 57.40m
22.Number of buildings & its configuration	Building Name & number : 13 Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T13 : Not yet Started: P1+P2+P3+14 : Height : 53.90m
22.Number of buildings & its configuration	Building Name & number : 14: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T14 : Not yet Started: P1+P2+P3+14 : Height : 53.90m
22.Number of buildings & its configuration	Building Name & number : 15: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T15 : Not yet Started: P1+P2+P3+P4+14 : Height : 57.40m
22.Number of buildings & its configuration	Building Name & number : 16: Building Configuration: P1+P2+P3+P4+P5+25 : Height of the building (Mtrs) : 94.4	Phase III : T16 : Not yet Started: P1+P2+P3+P4+14 : Height : 57.40m
22.Number of buildings & its configuration	Building Name & number : 17: Building Configuration: STILT+25 : Height of the building (Mtrs) : 80.1	Phase IV : T17: Not yet Started: P1+P2+12 : Height : 43.75m
22.Number of buildings & its configuration	Building Name & number : 18: Building Configuration: STILT+25 : Height of the building (Mtrs) : 80.1	To be removed
22.Number of buildings & its configuration	Building Name & number : 19: Building Configuration: P1+P2+2 : Height of the building (Mtrs) : -	To be removed
22.Number of buildings & its configuration	Not Reflected in EC	As per EC Commercial-Phase-1 : Completed : Building configuration : Ground floor: Height : 4.35m
22.Number of buildings & its configuration	Not Reflected in EC	As per EC Commercial-Phase-2 : under construction : Building configuration : Ground floor: Height : 4.35m
22.Number of buildings & its configuration	Not Reflected in EC	As per EC Commercial-Phase-3 : Not yet started : Building configuration : Ground floor: Height : 4.35m
23.Number of tenants and shops	Residential - 3,528 nos. Commercial complex - 60 nos	Total tenements: Residential- 2542 nos. Commercial complex- 41 nos.
24.Number of expected residents / users	Residential: 17,640 Nos. Commercial: 700 Nos	Residential: 12710 Nos. Commercial: 738 Nos.
25.Tenant density per hectare	281.89 tenant/hector	152 tenant/hector
26.Height of the building(s)	-	Maximum height 91.3 m
29.Existing structure (s) if any	Phase-I : 6 buildings	Phase-I : 6 no. of buildings were completed as per EC received
32.Total Water Requirement : Dry season:	Fresh water (CMD): 1602	Residential – 1176 Commercial – 4 Total Fresh water - 1180
32.Total Water Requirement : Dry season:	Recycled water - Flushing (CMD): 812	Residential – 573 Commercial – 5 Total Flushing water - 578
32.Total Water Requirement : Dry season:	Recycled water - Gardening (CMD): 130	Recycled water - Gardening (CMD): 122

SEAC-AGENDA-0000000459

32.Total Water Requirement : Dry season:	Total Water Requirement (CMD) : 2544	Total Water Requirement (CMD) : 1803
32.Total Water Requirement Dry season:	Excess treated water : 26 959	Excess treated water : 798
32.Total Water Requirement : Wet season:	Fresh water (CMD): 1602	Residential – 1176 Commercial – 4 Total Fresh water - 1180
32.Total Water Requirement : Wet season:	Recycled water - Flushing (CMD): 812	Residential – 573 Commercial – 5 Total Flushing water - 578
32.Total Water Requirement : Wet season:	Total Water Requirement (CMD) : 2414	Total Water Requirement (CMD) : 1803
32.Total Water Requirement : Wet season:	Excess treated water : 1089	Excess treated water : 920
Details of Swimming pool (If any)	Phase I: 243.88 m2 Phase II: 231.00 m2 Phase III: 277.20 m2	Phase I: 243.88 m2 Phase II: 368.00 m2 Phase III: 256.00 m2
34.Rain Water Harvesting (RWH)	Quantity of recharge pits: No of Recharge pit with bore well: 21 nos.	Open well Recharge – 2 no No of Recharge pit with bore well: 21 nos.
34.Rain Water Harvesting (RWH)	Details of UGT tanks if any :	WTP details – ACF, MGF and Softener and WTP Capacity - 1,176 CMD
34.Rain Water Harvesting (RWH)	Details of UGT tanks if any : Residential: Domestic UG tank Capacity: --1470 CMD Flushing UG tank Capacity: -- 864 CMD Fire UG tank Capacity: -- 900 CMD	Details of UGT tanks if any : Residential: Domestic UG tank Capacity: --1,176 CMD Flushing UG tank Capacity: -- 573 CMD Fire UG tank Capacity: -- 900 CMD
36.Sewage and Waste water	Sewage generation in KLD: Residential: 2064, Commercial: 29	Sewage generation in KLD: Residential : 1740 Commercial : 9
36.Sewage and Waste water	Capacity of STP (CMD): 480 KL & 415 KL, 580 KL, 610 KL, 28 KL	Capacity of STP (CMD): 480KL 415 KL, 450 KL, 400 KL, 60 KL
36.Sewage and Waste water	Location & area of the STP: As per Master Layout	STP 1: At Phase-I STP 2: At Phase-I STP 3: At Phase-II STP 4: At Phase-III, STP 5:At Phase IV
36.Sewage and Waste water	Budgetary allocation (Capital cost): Rs. 315 Lakhs	Rs. 337.50 lacs for residential Rs. 26.25 lacs for commercial
36.Sewage and Waste water	Budgetary allocation (O & M cost): Rs. 43 Lakhs/Annum	Rs.35 lacs/Annum for residential Rs.7.25 lacs/Annum for commercial
37.Solid waste Management Waste generation in the Pre Construction and Construction phase:	Waste generation: 63 kg/day	Excavation quantity -221080 m3 (phase wise quantity) During construction phase – solid waste - 63 kg/day
37.Solid waste Management : Waste generation in the operation Phase:	Dry waste: 3612 kg/day	Dry waste: 2220 kg/day
37.Solid waste Management : Waste generation in the operation Phase:	Wet waste: 5348 kg/day	Wet waste: 3114 kg/day
Waste generation in the operation Phase:	STP Sludge (Dry sludge): 330 kg/day	STP Sludge (Dry sludge): 136 kg/day
Mode of Disposal of waste :	Hazardous waste: Will be handed over to authorized vendor	Mode of Disposal of waste : Hazardous waste: Not applicable
Mode of Disposal of waste :	STP Sludge (Dry sludge): Will be used as manure for landscaping after treatment in OWC.	STP Sludge (Dry sludge): Will be used as manure for landscaping
Area requirement:	Area for the storage of waste & other material: 700 m2	Area for the storage of waste & other material: Phase-1 – 131.43 sqm Phase-2 – 128.51 sqm Phase-3-122.70 sqm Phase-4-24.98 sqm
Area requirement:	Location : Near entrance	Location : marked on layout as per Phase 1 2 3 & 4
44.Green Belt Development	No of trees to be cut : 19 nos	No to be Cut - 21 no. No of trees to be transplanted - 42 no. No of trees to be retained - 83

SEAC-AGENDA-0000000000.0

44.Green Belt Development	Number of trees to be planted : 1810 nos	Required - 1810 no and Proposed - 1937 no.
48.Energy Power requirement:	During Operation phase (Connected load): 64,607 kW	During Operation phase (Connected load): 60192 kVA
48.Energy Power requirement:	During Operation phase (Demand load): 17,828 kW	During Operation phase (Demand load): 18014 kVA
48.Energy Power requirement:	Transformer: 630 kVA and 44 nos	Transformer: 630 kVA – 34 nos. PH-1: 14 x 630 kVA, PH-2: 10 x 630 kVA, PH-3: 8 x 630 kVA, PH-4: 2 x 630 kVA
48.Energy Power requirement:	DG set as Power back-up during operation phase: PH-1: 1 x 625 + 2 x 750 kVA, PH-2: 3 x 625 kVA, PH-3: 3 x 625 kVA, PH-4: 1 x 380 kVA	DG set as Power back-up during operation phase: PH-1: 1x 625 + 2x750 kVA, PH-2: 2 x 700 kVA, PH-3: 2 x 700 kVA, PH-4: 1 x 500 kVA
51.Details of pollution control Systems Budgetary allocation (Capital cost and O&M cost):	Capital cost: Rs. 347 Lakhs	Capital cost: Rs. 600 Lac. Approx.
52.Environmental Management plan Budgetary Allocation b) Operation Phase (with Break-up):	b) Operation Phase (with Break-up): STP Cost Capital cost Rs. In Lacs – 315 Operational and Maintenance cost (Rs. in Lacs/yr) - 43	b) Operation Phase (with Break-up): STP Cost Capital cost Rs. In Lacs – 365.75 Operational and Maintenance cost (Rs. in Lacs/yr) – 42.25
52.Environmental Management plan Budgetary Allocation b) Operation Phase (with Break-up):	Solar Capital cost Rs. In Lacs – 600 Operational and Maintenance cost (Rs. in Lacs/yr) - 80	Solar Capital cost Rs. In Lacs – 600 Operational and Maintenance cost (Rs. in Lacs/yr) - 21
52.Environmental Management plan Budgetary Allocation b) Operation Phase (with Break-up):	TOTAL Capital cost Rs. In Lacs – 2208.50 Operational and Maintenance cost (Rs. in Lacs/yr) – 315.72	TOTAL Capital cost Rs. In Lacs – 2260.25 Operational and Maintenance cost (Rs. in Lacs/yr) – 255.97
54. Traffic Management	Parking details: Number and area of podia: 1 Podia/building; Area of the podium = 41145.35 4 nos.	Phase-1 – 2 podiums Phase-2 – 3 Podiums Phase-3 – 5 Podium

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	-

SEAC-AGENDA-0000000239

Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

SEAC-AGENDA-0000000439

PP had submitted application for prior Environmental clearance for total plot area of 1,73,800.00 m2, FSI area of 2,04,819.06 m2, Non FSI area of 1,69,435.77 m2 and total BUA of 3,74,254.83 m2.

Brief information of the proposal as submitted by PP is as below:

Proposal Number	SEIAA Statement No. 0000002636	
Name of Project	Residential Development with convenient shopping project : Godrej Infinity (Phase I), Godrej Rejuve (Phase II) , Phase III and Phase IV at Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra by M/s PINNI CO-OPERATIVE HOUSING SOCIETY& SHARAD CO-OPERATIVE HOUSING SOCIETY DEVELOPER- OXFORD REALTY LLP	
Project category	8(a) B1	
Type of Institution	Private	
Project Proponent	Name	Mr. Anirudha Uttam Seolekar Partner
	Regd. Office address	Address: 501 Kensington Court, Lane No. 5, Off North Main Road, Koregaon Park, Pune 411001
Consultant	M/s. ULTRA TECH NABET/EIA/1720/RA0094 and valid up to 10.03.2020	
Applied for	Amendment in EC	
Details of previous EC	As per EC received dated 04.06.2016 and 30.11.2018. Construction area were completed 1,79,953.60	
Location of the project	Sr. no. 9 to 14 Hissa no.1/71 Keshavnagar Mundhawa, Taluka Haveli, Pune, Maharashtra	
Latitude and Longitude	Latitude - 1832'22.08" N Longitude - 7356'45.21" E	
Total Plot Area (m2)	1,73,800.00 m^2	
Deductions (m2)	29,187.04 m^2	
Net Plot area (m2)	1,44,612.96 m^2	
Proposed FSI area (m2)	2,04,819.06 m^2	
Proposed non-FSI area (m2)	1,69,435.77 m^2	
Proposed TBUA (m2)	3,74,254.83 m^2	
TBUA (m2) approved by Planning Authority till date	Pune Municipal Corporation	
Ground coverage (m2) & %	44,235m^2	
Total Project Cost (Rs.)	Rs. 17090000000	

SEAC-AGENDA-0000000439

DECISION OF SEAC

The Committee noted that PP was issued terms of reference in 83rd meeting of SEAC-3 for carrying out EIA Studies. However, the hard copy of EIA Report was not received by the Committee Members. The Committee decided to consider the appraisal of the proposal after receipt of the same. Hence the proposal was ***deferred***.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000439

Agenda for 111th SEAC-3 meeting scheduled on 09th, 10th and 13th July, 2020 through Video Conference

SEAC Meeting number: 111 **Meeting Date** July 13, 2020

Subject: Environment Clearance for Proposed Mix development project " Raja Bahadur City centre" at F.P.No. 100+101/1, Sangamwadi, Pune by Raja Bahadur International Ltd

Is a Violation Case: No

1.Name of Project	Proposed Mix development project " Raja Bahadur City centre" at F.P.No. 100+101/1, Sangamwadi, Pune by Raja Bahadur International Ltd
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Shridhar Pittie
4.Name of Consultant	Ms. Sayali Jagtap (EIA Coordinator-J M EnviroNet Pvt Ltd)
5.Type of project	Mix development
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	F.P.No. 100+101/1, Sangamwadi, Pune
9.Taluka	Haveli
10.Village	Sangamwadi
Correspondence Name:	Mr. Vaibhav Pittie
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	F.P.No. 100+101/1, Sangamwadi, Pune
Locality:	Sangamwadi
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 312381.95
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	81575.11 sq. m
16.Deductions	7653.63 sq. m
17.Net Plot area	73921.48 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,69,723.37 sq. m
	b) Non FSI area (sq. m.): 1,42,658.58 sq. m
	c) Total BUA area (sq. m.): 312381.95
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	41020.48 sq. m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	55.49 %
21.Estimated cost of the project	7559700000

SEAC-AGENDA-0000000440

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Shed 1 (Offices)	Ground Floor	9.15 m
2	Existing Shed 2 (Restaurants)	Ground Floor	7.80 m
3	Retails +Cinema +Parking building	2 Basement +Ground+ 7 floors	29.95 m
4	Commercial Tower 01	2 basement + Ground+ 16 floors	69.15m
5	Commercial Tower 02	2 basement+ Ground +4 podium + 20 floors	98.75 m
6	Commercial Tower 03	2 basement+ Ground +4 podium + 13 floors	74.20 m
7	Service apartment (Hotel bldg)	2 Basement+ Ground +2 podium + 21 floors	88.95 m
8	Utility building	Ground + 1 floor	12.75m
9	Club (Amenity building)	2 Basement+ Ground+ 4 floor	20 m
10	Club house	Ground+ 1 floor	6.75 m

23.Number of tenants and shops	Existing Offices & Restaurants Proposed : 1. Service apartment(Hotel) : 342 no's 2. Commercial buildings.
24.Number of expected residents / users	Existing (Offices + Restaurant) : 1990 persons , Proposed : Service apartment(Hotel) : 684 no's ,Commercial floating population : • Cinema building – 3968 • Commercial building 01 – 4676 • Commercial building 02 – 7358 • Commercial building 03 – 7750 • Club (Amenity building) & club house – 4915 Total project population (Existing +Proposed) : 31341 persons.
25.Tenant density per hectare	4241 /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)	Existing 24 m road , Proposed 30 m DP road Nearest fire station: Dayaram Raj guru Fire station. Distance : 0.3 km.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Existing Offices , Restaurants
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

SEAC-AGENDA-0000000440

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	527.8
	Recycled water - Flushing (CMD):	491.61
	Recycled water - Gardening (CMD):	79.75
	Swimming pool make up (Cum):	20.03
	Total Water Requirement (CMD) :	1119.19
	Fire fighting - Underground water tank(CMD):	1025
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	397.65
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	527.8
	Recycled water - Flushing (CMD):	491.61
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	20.03
	Total Water Requirement (CMD) :	1039.43
	Fire fighting - Underground water tank(CMD):	1025
	Fire fighting - Overhead water tank(CMD):	160
	Excess treated water	477.40
Details of Swimming pool (If any)	• Dimension of Swimming Pool: 15.0m x 25.0m • Total water Requirement in KLD: 364 cum • Water requirement for make up in KLD: 20.03 cum • Capital Cost: Rs. 93,75,000 /- • O & M cost: - Rs. 9,37,500 /-	

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

SEAC-AGENDA-000000000440

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post monsoon 5m (BGL) , Pre monsoon 8 m(BGL)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	14 no's
	Size of recharge pits :	2 x 2 x 2 m with 178 mm dia 60 meter depth
	Budgetary allocation (Capital cost) :	Rs. 7,25,000 /-
	Budgetary allocation (O & M cost) :	Rs. 70,000 /-
	Details of UGT tanks if any :	Domestic UG tank Capacity (cum) : For Existing : 40 KLD , UGT 01 (Phase I) : 173 KLD , UGT 02 (Phase II) : 459 KLD , UGT 3(Phase III): 151.19 KLD Flushing tank Capacity(cum) : 394.5 KLD Fire UG tank Capacity (cum) : 1025 KLD
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	70.03 m3/min.
	Size of SWD:	900 mm
Sewage and Waste water	**Sewage generation in KLD:**	969 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	STP 01 (For Existing + Phase I) : 267 KLD, STP 02 (For Phase II) : 545 KLD , STP 03 (For Phase III) : 160 KLD
	Location & area of the STP:	STP 1 : 131 sq. m , STP 2 : 352 sq. m , STP 3 : 110 sq. m
	Budgetary allocation (Capital cost):	Rs. 74,70,000 /-
	Budgetary allocation (O & M cost):	Rs. 24,39,295 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Total solid waste : 150 kg/day (Wet waste : 90 kg/day , Dry waste : 60 kg/day)
	Disposal of the construction waste debris:	The construction waste will be used within the site for leveling purpose and base course preparation of internal approach roads
Waste generation in the operation Phase:	**Dry waste:**	4601 kg/day
	Wet waste:	3234 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	96 kg/day
	Others if any:	E-waste : 85.86 kg/day

SEAC-AGENDA-0000000440

Mode of Disposal of waste:	**Dry waste:**	To authorized vendor SWACH
	Wet waste:	Treatment of OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	E-waste will be handed over to authorized vendor SWACH
Area requirement:	**Location(s):**	Shown in plan
	Area for the storage of waste & other material:	OWC 1 : 8 sq. m OWC 2 : 17.5 sq. m OWC 3 : 22 sq. m OWC 4: 13.5 sq. m
	Area for machinery:	OWC 1 : 24 sq. m OWC 2 : 52.5 sq. m OWC 3 : 104.5 sq. m OWC 4: 45 sq. m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 91,00,000 /-
	O & M cost:	Rs. 19,74,379 /-

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

SEAC-AGENDA-0000000440

43.Green Belt Development	**Total RG area :**	RG area on ground : 7754.48 sq. m
	No of trees to be cut :	40 no's
	Number of trees to be planted :	798 no's + 126 (existing trees)
	List of proposed native trees :	List of existing + Proposed trees is provided below
	Timeline for completion of plantation :	Up to completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	SARCA ASOCA	Ashoka	17	larger and highly spreading common in cultivation
2	FICUS RELIGIOSA	Umber	02	Buddha tree, significant for Hindu and Buddhist, shaded tree
3	PELTOPHORUM PETROCARPUS	Kashid	17	Dense tree provide shade in summer
4	SAMANIA SAMAN	Rain tree	10	Shade giving ornamental plant
5	LEUCAENA LEUCOCEPHALA	Su babul	03	Medicinal use, attract to birds
6	DELONIX REGIA	Gulmohar	09	Dense tree provide shade in summer
7	SPATHODIA COMPANULATA	Spathodia	03	Shade giving ornamental plant
8	JACRANADA MIMOSIFOLIA	Jacranada	02	tree provide shade in summer
9	SYZGIUM CUMINI	Jambhul	03	Medicinal value, with good amount of fruits
10	CASSIA FISTULA	Bahawa	01	Medicinal value, Drought tolerant species, ornamental, flowering plant, Honey bee attracting species, Host plant for Butterfly
11	EUCALYPTUS	Nilgiri	05	Medicinal use, pollution of air
12	TERMINALI CATTAPA	Badam	06	Medicinal value
13	FICUS RELIGIOSA	Pimpal	06	Bodhi tree,significant for hindu and Buddhist,shaded tree
14	VACHELLIA NILOTICA	Australian babul	01	Drought tolerant species, ornamental
15	CEDRUS DEODAR	Deodar	01	insects avoid this tree, ornamental tree
16	GRAVELLIA ROBUSTA	Walwa	03	it can tolerate light shade, flowering tree
17	AZADIRACHTA INDICA	Neem	140	Native, Medicinal value, to control soil erosion, Evergreen
18	ARTOCARPUSA	Shindhi	01	Fruit tree, evergreen tree
19	AILANTHUS EXCLESA	Maharuk	02	Evergreen tree, medicinal value

SEAC-AGENDA-0000000440

20	TAMRINADUS INDICA	Chinch	01	beautiful fruiting tree, medicinal tree
21	FICUS BENGALENSIS	Banyan	01	Its indina banyan called fig.with shade
22	VACHELLIA NILOTICA	Babul	28	Drought tolerant species, ornamental
23	BAUHINIA VARIGATED	Kanchan	169	creates shade, attracts birds/butterflies/bees, good for screening
24	LAGERSTROMIA SPECIOSA	Taman	163	creates shade, attracts birds/butterflies/bees, good for screening
25	MELIA AZDERACH	Bakan Neem	128	Evergreen medicinal tree
26	TERMINALI ARJUNA	Arjuna	50	large deciduous tree with spreading crowns
27	ROYESTONIA REGIA	Royal	152	Royal variety, evergreen palm
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	22292 KW
	During Operation phase (Demand load):	16016 KW
	Transformer:	Total no's of Transformers: 26 : Commercial buildings - 24 x 630 KVA , Serviced Apartment + Club(Amenity)+ Utility - 2 x 630 KVA
	DG set as Power back-up during operation phase:	Total no's of DG : 19 1 x 810 KVA , 11 x 750 KVA, 3 x 600 KVA , 3 x 300 KVA , 1 x 200 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	N

48.Energy saving by non-conventional method:

SEAC-AGENDA-0000000440

1. LED
2. Analog dimmers
3. Solar hot water system only for serviced apartments
4. Solar PV panels
5. Real Time Timers
6. Energy efficient V3F lifts
7. Star rated pumps
8. Transformers as per BIS II standards

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar hot water + Solar PV	250 KWP (Based on 1% of total demand as Solar PV)
2	Total % of savings	20.50 %

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. 1,05,30,000 /-
	O & M cost:	Rs. 3,50,000 /-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control – dust suppression measures, barricading & top soil preservation	Rs. 5,76,000 /-
2	Land	Site Sanitation	Rs. 5,00,000 /-
3	Health & safety	Safety equipment's & training	Rs. 2,50,000 /-
4	Environment management	Environmental Monitoring	Rs. 1,20,000 /-
5	Health & safety	Disinfection and Health Check-ups	Rs. 1,00,000 /-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	3 no’s of STP’s	Rs. 74,70,000 /-	Rs. 24,39,295 /-
2	Rain Water Harvesting	14 no's of pits	Rs. 7,25,000 /-	Rs. 70,000 /-
3	Solid Waste Management	4 no’s of OWC’s	Rs. 91,00,000 /-	Rs. 19,74,379 /-
4	Green Belt Development	798 trees	Rs. 45,90,000 /-	Rs. 12,00,000 /-
5	Energy details	Solar PV panels + Solar hot water	Rs. 1,05,30,000 /-	Rs. 3,50,000 /-
6	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	Rs. 8,90,000 /-

SEAC-ACRIDA-0000000140

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:	Existing 24 m road , Proposed 30 m DP road
Parking details:	**Number and area of basement:**	2 basements & part basement Area : 55876.06 sq. m
	Number and area of podia:	4 Podium, Area : 39742.27 sq. m
	Total Parking area:	95618.33 SQ.M.
	Area per car:	12.5 sq. M as per DC rule
	Area per car:	12.5 sq. M as per DC rule
	Number of 2-Wheelers as approved by competent authority:	Scooters – 9042 , Cycles - 3398
	Number of 4-Wheelers as approved by competent authority:	3557
	Public Transport:	Pune city buses
	Width of all Internal roads (m):	6.00 & 9.00 m internal driveways.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 km
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NA
	Other Relevant Informations	No

SEAC-AGENDA-0000000440

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	22-12-2017

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

SEAC-AGENDA-0000000440

PP had submitted application for prior Environmental clearance for total plot area of 81575.11 m2, FSI area of 1,69,723.37 m2, Non FSI area of 1,42,658.58 m2 and total BUA of 3,12,381.95 m2.

Brief information of the proposal as submitted by PP is as below:

Proposal No.	SEIAA-STATEMENT-0000003304
Name of Project	Proposed Mix development project " Raja Bahadur City centre" at F.P.No. 100+101/1, Sangamwadi, Pune by Raja Bahadur International Ltd
Project Category	B1
Type of institution	Private
Name of Project Proponent	Mr. Shridhar Pittie
Name of Consultant	Ms. Sayali Jagtap
Applied For	New
Details of Previous EC	No
Location of the project	F.P.No. 100+101/1, Sangamwadi, Pune
Taluka	Haveli
Village	Sangamwadi
District	Pune
Latitude & Longitude	Latitude - 18.533955° N Longitude - 73.870558° E
Total Plot Area (sq. m.)	81575.11 sq. m
Deductions	7653.63 sq. m
Net Plot area	73921.48 sq. m
Proposed Built-up Area (FSI & Non-FSI) (m2)	3,12,381.95 sq. m
FSI area (m2)	1,69,723.37 sq. m
Non FSI area (m2)	1,42,658.58 sq. m
Total Built up area approved by planning authority	-
Total ground coverage (m2)	41020.48 sq. m
Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	55.49 %
Estimated cost of the project (in Rs.)	Rs. 755.97 Cr

Number of buildings & its configuration:

Sr	Building Name & number	Number of floors	Height (m)
	EXISTING		
1	Existing Shed 1 (Offices)	Ground Floor	9.15 m
2	Existing Shed 2 (Restaurant)	Ground Floor	7.80 m
	PROPOSED		
3	Retails +Cinema +Parking building	2 Basement +Ground+ 7 floors	29.95 m
4	Commercial Tower 01	2 basement + Ground+ 16 floors	69.15m
5	Commercial Tower 02	2 basement+ Ground +4 podium + 20 floors	98.75 m
6	Commercial Tower 03	2 basement+ Ground +4 podium + 13 floors	74.20 m
7	Service apartment (Hotel bldg)	2 Basement+ Ground +2 podium + 21 floors	88.95 m
8	Utility building	Ground + 1 floor	12.75m
9	Club (Amenity building)	2 Basement+ Ground+ 4 floor	20 m
10	Club house	Ground+ 1 floor	6.75 m
Number of tenants and shops		Existing Offices & Restaurants Proposed : 1. Service apartment(Hotel) : 342 no's 2. Commercial buildings.	

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

SEAC-AGENDA-0000000440

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit undertaking that they will follow the procedure prescribed by PMC to hand over debris to PMC and enter into agreement with PMC for the same with PMC nominated contractor, after receipt of CC but before commencing the work of excavation.

2. PP to submit CFO NOC.

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000440

Agenda for 111th SEAC-3 meeting scheduled on 09th, 10th,13th and 15th July, 2020 through Video Conference (Day 04)

SEAC Meeting number: 111 **Meeting Date** July 15, 2020

Subject: Environment Clearance for Rejuvenation Project for Pawana River

Is a Violation Case: No

1.Name of Project	Rejuvenation Project for Pawana River
2.Type of institution	Government
3.Name of Project Proponent	Pimpri Chinchwad Municipal Corporation
4.Name of Consultant	Green Circle, Inc.
5.Type of project	River Rejuvenation Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Pimpri Chinchwad
9.Taluka	Pimpri Chinchwad
10.Village	Pimpri Chinchwad
Correspondence Name:	Mr. Makarand Dnyanoba Nikam
Room Number:	NA
Floor:	NA
Building Name:	PCMC Building
Road/Street Name:	NA
Locality:	Pimpri
City:	Pimpri
11.Whether in Corporation / Municipal / other area	Municipal
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	257.91 ha
16.Deductions	00
17.Net Plot area	257.91 ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 00
	b) Non FSI area (sq. m.): 00
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 28-01-2019
19.Total ground coverage (m2)	2398563
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	2398563
21.Estimated cost of the project	14530000000

22.Number of buildings & its configuration

SEAC-AGENDA-0000000443

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

23.Number of tenants and shops	THERE WILL BE NO TENANTS
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
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	There are no existing structures
30.Details of the demolition with disposal (If applicable)	There will be no demolition

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	75
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	410
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	485
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	00

SEAC-AGENDA-0000000443

Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	75
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	75
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	410
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:**	1 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	THERE ARE NO UGT TANKS

35.Storm water drainage	**Natural water drainage pattern:**	CATCHMENT AREA- 505 SQ.KM
	Quantity of storm water:	NA
	Size of SWD:	NA

SEAC-AGENDA-0000000443

Sewage and Waste water	**Sewage generation in KLD:**	FROM THE PROPOSED PROJECT
	STP technology:	SBR
	Capacity of STP (CMD):	EXISTING- NOS. - 8; PROPOSED- 2 NOS
	Location & area of the STP:	VARIOUS PLACES IN CITY
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	120 Kg/Day
	Disposal of the construction waste debris:	PCMC Authorized Vendor
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED
	Wet waste:	WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

SEACFAC111A-0000000443

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development

Total RG area :	NA
No of trees to be cut :	NA
Number of trees to be planted :	NA
List of proposed native trees :	NA
Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium caryophyllatum	JAMUN	-	BEAUTIFICATION AND EDIBL
2	Samanea saman	SIRIS	-	BEAUTIFICATION
3	Mangifera Indica	MANGO	-	EDIBLE
4	Azadirachta Indica	NEEM	-	BEAUTIFICATION AND MEDICINE
5	Pongamia pinnata	KARANJ	-	BEAUTIFICATION AND MEDICINE
45.Total quantity of plants on ground				

SEAC-AGENDA-0000000043

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	Bougainvillea Purple	-	-
2	Bougainvillea Pink Barbara Karst	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	0.2 MVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2 MVA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED LIGHTS WILL BE USED FOR STREET LAMPS

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LAMPS	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

SEAC-AGENDA-0000000443

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	NA	NA	NA	NA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b)

SEACAGENDA-00000000443

	Court cases pending if any	NA
	Other Relevant Informations	DETAILS OF EMP WILL BE PROVIDED IN EIA REPORT.
	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

SEAC-AGENDA-0000000443

PP had submitted application for prior Environmental clearance for Rejuvenation Project for Pawana River comprising area of 257.91 ha.

PP was issued Terms of Reference in 94th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP). The EIA / EMP report was further discussed in 102nd meeting of SEAC-3 and PP was informed to comply with certain points.

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

DECISION OF SEAC

SEAC-AGENDA-0000000143

During discussion following points emerged:

1. PP to submit revised CER in prescribed format incorporating following points: (a) School building-budget Rs. 157 Lakh, details of location, cost distribution. Include provision computers in schools with power supply through solar electricity, (b) delete activity of health camp in surrounding areas, (c) details of solar LED lighting w.r.t. plan, number, location and cost, (d) Hospitals – budget Rs. 135 Lakh, details of location, medical equipments, dialysis units, ambulances etc., (e) Sanitation blocks and buildings – location, number, cost distribution.

2. PP to submit plan to reduce BOD levels and Nutrient addition as well.

3. PP to include BNR in STP flow sheets only MBBR will not help. For ETPs in no case treated water should be disposed of to river. PP to impose ZLD to ETPs under their jurisdiction.

4. PP to ensure that all designs of STP, ETP and solid waste treatment should be vetted for adequacy by a government institution working in the field of environment before implementation.

5. BoD levels higher than 5 mg/L indicates highly polluted stretched of river. PP to submit plan to bring BoD less than 5 mg/L in entire stretch and DO more than 4 mg/L.

6. Flood modelling to be completed and master plan to be modified accordingly.

7. Scoio Cultural activities should be provided with guidelines for not polluting river. This shall be included in EMP. There are 75 ghats, 11 jetties and quite large interaction with river. PP to submit specific mitigation and control measures during construction.

8. PP to submit details of actual physical measures to stop dumping of solid waste in river or on the bank of river, giving details on segregation, storage and disposal for all types of waste including Plastic waste, e-waste, C&D, Hazardous, recyclable, biodegradable and inert.

9. PP to plan the screens a distance from river (say 500 m or more) so as to avoid piling and again discharge of screened solid waste into river.

10. PP to identify the locations for monitoring of ground and surface water quality periodically. Include the same in EMP. PP to submit revised EMP by incorporating all additional points

11. PP to mention all required parameters for meeting the prevailing norms for dissolved oxygen (DO) levels, BOD and TSS of river water.

12. PP to undertake that no construction will be carried out in actual river bed and no drainage line will pass through river bed.

13. PP to submit location-wise list of:- existing trees, trees to be cut, trees to be transplanted.

14. PP to incorporate local native species in plantation plan.

15. PP to avoid or ensure least concreting at the base of trees in consonance with the canopy of the tree.

SEAC-AGENDA-0000000443

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000443

Agenda for 111th SEAC-3 meeting scheduled on 09th, 10th,13th and 15th July, 2020 through Video Conference (Day 04)

SEAC Meeting number: 111 **Meeting Date** July 15, 2020

Subject: Environment Clearance for Rejuvenation Project for Indrayani River

Is a Violation Case: No

1.Name of Project	Rejuvenation Project for Indrayani River
2.Type of institution	Government
3.Name of Project Proponent	Pimpri Chinchwad Municipal Corporation
4.Name of Consultant	Green Circle, Inc.
5.Type of project	River Rejuvenation Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Pimpri Chinchwad
9.Taluka	Pimpri Chinchwad
10.Village	Pimpri Chinchwad
Correspondence Name:	Mr. Makarand Dnyanoba Nikam
Room Number:	NA
Floor:	NA
Building Name:	PCMC Building
Road/Street Name:	NA
Locality:	Pimpri
City:	Pimpri
11.Whether in Corporation / Municipal / other area	Municipal
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	471.47 ha
16.Deductions	00
17.Net Plot area	471.47 ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 00
	b) Non FSI area (sq. m.): 00
	c) Total BUA area (sq. m.): 00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 28-03-2019
19.Total ground coverage (m2)	4384671
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	4384671
21.Estimated cost of the project	13850000000

22.Number of buildings & its configuration

SEAC-AGENDA-0000000443

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

23.Number of tenants and shops	THERE WILL BE NO TENANTS
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
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	There are no existing structures
30.Details of the demolition with disposal (If applicable)	There will be no demolition

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	66
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	370
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	436
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	00

SEAC-AGENDA-0000000443

Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	66
	Recycled water - Flushing (CMD):	00
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	66
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	370
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:**	1 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	THERE ARE NO UGT TANKS

35.Storm water drainage	**Natural water drainage pattern:**	CATCHMENT AREA- 985 SQ.MT
	Quantity of storm water:	NA
	Size of SWD:	NA

SEAC-AGENDA-0000000443

Sewage and Waste water	**Sewage generation in KLD:**	52.8 FROM THE PROPOSED PROJECT
	STP technology:	SBR
	Capacity of STP (CMD):	EXISTING-1 NOS. - 21 MLD CAPACITY ; PROPOSED- 2 NOS. - 1 NO. - 4 MLD & 1 NO.- 20 MLD
	Location & area of the STP:	VARIOUS PLACES IN CITY
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	102 kg/day
	Disposal of the construction waste debris:	PCMC Authorized Vendor
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED
	Wet waste:	WILL BE SENT TO WASTE DISPOSAL FACILITY OF PCMC AFTER SEGREGATION IF GENERATED
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

SEACFA/EIA-0000000443

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development

Total RG area :	NA
No of trees to be cut :	NA
Number of trees to be planted :	NA
List of proposed native trees :	NA
Timeline for completion of plantation :	NA

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium caryophyllatum	JAMUN	-	BEAUTIFICATION AND EDIBL
2	Samanea saman	SIRIS	-	BEAUTIFICATION
3	Mangifera Indica	MANGO	-	EDIBLE
4	Azadirachta Indica	NEEM	-	BEAUTIFICATION AND MEDICINE
5	Pongamia pinnata	KARANJ	-	BEAUTIFICATION AND MEDICINE
45.Total quantity of plants on ground				

SEAC-AGENDA-0000000043

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	Bougainvillea Purple	-	-
2	Bougainvillea Pink Barbara Karst	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	0.18 MVA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1.8
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

LED LIGHTS WILL BE USED FOR STREET LAMPS

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED LAMPS	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
NA	NA	NA

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

SEAC-AGENDA-0000000443

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	NA	NA	NA	NA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b)

SEACAGENDA-00000000443

	Court cases pending if any	NA
	Other Relevant Informations	DETAILS OF EMP WILL BE PROVIDED IN EIA REPORT.
	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

SEAC-AGENDA-0000000443

PP had submitted application for prior Environmental clearance for Rejuvenation Project for Indrayani River comprising area of 471.47 ha.

PP was issued Terms of Reference in 94th SEAC-3 meeting for undertaking Environment Impact Assessment (EIA) and preparation of Environment Management Plan (EMP). Accordingly, PP has submitted Environment Impact Assessment (EIA) and Environment Management Plan (EMP). The EIA / EMP report was further discussed in 102nd meeting of SEAC-3 and PP was informed to comply with certain points.

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

DECISION OF SEAC

SEAC-AGENDA-0000000143

During discussion following points emerged:

1. PP to submit revised CER in prescribed format incorporating following points: (a) School building- budget Rs. 201 Lakh, details of location, cost distribution. Include provision computers in schools with power supply through solar electricity, (b) delete activity of health camp in surrounding areas, (c) details of solar LED lighting w.r.t. plan, number, location and cost, (d) Hospitals – budget Rs. 172 Lakh, details of location, medical equipments, dialysis units, ambulances etc., (e) Sanitation blocks and buildings – location, number, cost distribution.

2. PP to submit plan to reduce BOD levels and Nutrient addition as well.

3. PP to include BNR in STP flow sheets only MBBR will not help. For ETPs in no case treated water should be disposed of to river. PP to impose ZLD to ETPs under their jurisdiction.

4. PP to ensure that all designs of STP, ETP and solid waste treatment should be vetted for adequacy by a government institution working in the field of environment before implementation.

5. BoD levels higher than 5 mg/L indicates highly polluted stretched of river. PP to submit plan to bring BoD less than 5 mg/L in entire stretch and DO more than 4 mg/L.

6. Flood modelling to be completed and master plan to be modified accordingly.

7. Scoio Cultural activities should be provided with guidelines for not polluting river. This shall be included in EMP. There are 75 ghats, 11 jetties and quite large interaction with river. PP to submit specific mitigation and control measures during construction.

8. PP to submit details of actual physical measures to stop dumping of solid waste in river or on the bank of river, giving details on segregation, storage and disposal for all types of waste including Plastic waste, e-waste, C&D, Hazardous, recyclable, biodegradable and inert.

9. PP to plan the screens a distance from river (say 500 m or more) so as to avoid piling and again discharge of screened solid waste into river.

10. PP to identify the locations for monitoring of ground and surface water quality periodically. Include the same in EMP.

11. Since Indrayani River is more important for religious activities and episodic gathering/bathing will create more pollution load. EMP should have detailed plan for mitigation measures for this intermittent increased load of pollution. PP to submit revised EMP by incorporating all additional points.

12. PP to mention all required parameters for meeting the prevailing norms for dissolved oxygen (DO) levels, BOD and TSS of river water.

13. PP to undertake that no construction will be carried out in actual river bed and no drainage line will pass through river bed.

14. PP to submit location-wise list of:- existing trees, trees to be cut, trees to be transplanted.

15. PP to incorporate local native species in plantation plan.

16. PP to avoid or ensure least concreting at the base of trees in consonance with the canopy of the tree.

SEAC-AGENDA-0900000143

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000443