Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Proposed Expansion of Residential cum Commercial Project – Regency Sarvam at Plot bearing S.No. 42/1,42/2,42/3,42/4A/1, 41/4A/2, 42/5, 42/6, 47/1, 50/1A, 50/2, 220/1, 201/1, 223/1, 224/ 1, 225/1, 246/1 at village Manda, Titwala, Taluka – Kalyan, District – Thane by M/s. Regency Nirman Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of Residential cum Commercial Project – Regency Sarvam
2.Type of institution	Private
3.Name of Project Proponent	M/s. Regency Nirman Ltd.
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no. SEAC-2011/CR 808/TC2 dtd 8th August 2012 for total construction area of 2,62,410.77 sq.m
8.Location of the project	S.No. 42/1,42/2,42/3,42/4A/1, 41/4A/2, 42/5, 42/6, 47/1, 50/1A, 50/2, 220/1, 201/1, 223/1, 224/ 1, 225/1, 246/1 at village Manda, Titwala, Taluka – Kalyan, District – Thane
9.Taluka	Kalyan
10.Village	Manda, Titwala
Correspondence Name:	M/s. Regency Nirman Ltd.
Room Number:	-
Floor:	-
Building Name:	Gupta Estates
Road/Street Name:	Ganpati Mandir Road,
Locality:	Titwala (E)
City:	Titwala
11.Whether in Corporation / Municipal / other area	Kalyan Dombivli Municipal Corporation [KDMC]
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Approval received vide letter no. 2012-13/121/270, dtd 25.02.2016 for FSI area 137984.10
	Approved Built-up Area: 137984.10
13.Note on the initiated work (If applicable)	Construction has been started as per previous EC received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI received vide letter no. KDMC/NRV/188 dtd 23.04.2019
15.Total Plot Area (sq. m.)	165608.00
16.Deductions	57025.00
17.Net Plot area	108583.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,23,427.64
	b) Non FSI area (sq. m.): 95,163.06
	c) Total BUA area (sq. m.): 318590.7
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 137984.10
	Approved Non FSI area (sq. m.): -
	Date of Approval: 25-02-2016
19.Total ground coverage (m2)	20,703.31
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12.5%
21.Estimated cost of the project	4410000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg No. 1 to 7 & 10 to 20	St + 12 floors	37.64
2	Bldg 8	St + 16 floors	49.3
3	Bldg 9	St + 16 (pt) floors	49.3
4	Bldg No. 21 to 28	St + 14 floors	43.43
5	Bldg 29,30	St + 16 floors	49.3
6	Bldg 31, 32	St + 17 floors	52.2
7	Bldg 33 to 38	St + 20 floors	60.20
8	Bldg. 39,40 (Commercial)	G + 1 floor	9.14
9	Bldg 41 (Commercial)	Gr floor	7.9
10	Bldg 42 (bungalow)	Gr + 1 floor	6.00
11	Bldg 43 to 45	St + 20 floors	60.20
12	Clubhouse	G + 1 floor	6.00

23.Number of tenants and shops	Flat: 4104 nos. Shops: 59 nos. Office: 2 nos. Theatre : 1 no.
24.Number of expected residents / users	Residential: 19423 nos. Shops & Office: 456 Theatre: 500 nos.
25.Tenant density per hectare	378 tenant/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)	Access through 24.00 m,18.00 wide D.P road & 30.00 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	9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/ treated water from STP
	Fresh water (CMD):	1760
	Recycled water - Flushing (CMD):	890
	Recycled water - Gardening (CMD):	197
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	2847
	Fire fighting - Underground water tank(CMD):	1800
	Fire fighting - Overhead water tank(CMD):	420
	Excess treated water	312
Wet season:	**Source of water**	KDMC/ treated water from STP/RWH
	Fresh water (CMD):	1760
	Recycled water - Flushing (CMD):	890
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	2650
	Fire fighting - Underground water tank(CMD):	1800
	Fire fighting - Overhead water tank(CMD):	420
	Excess treated water	1259
Details of Swimming pool (If any)	Water requirement for swimming pool is 2 KLD	

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 m to 5 m
	Size and no of RWH tank(s) and Quantity:	4 nos. of RWH tank of 270 cum
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	19 nos. of recharge pits
	Size of recharge pits :	6.6 X 4
	Budgetary allocation (Capital cost) :	Rs. 104.5 Lakh
	Budgetary allocation (O & M cost) :	Rs. 10.45 Lakh/yr
	Details of UGT tanks if any :	Domestic tank: 1760cum Flushing tank: 890 cum Fire tank: 1800 cum
35.Storm water drainage	**Natural water drainage pattern:**	South to North & West to East
	Quantity of storm water:	5.36 cum/sec
	Size of SWD:	600 mm x 650 mm, 750 mm x 1300mm, 750 mm x 1500 mm, 750 mm x 1400mm, 600 mmx550mm, 750mm x 850mm,750mm x1200mm
Sewage and Waste water	**Sewage generation in KLD:**	2388
	STP technology:	MBBR
	Capacity of STP (CMD):	2700 KLD (2 nos: 1700 KLD & 1000 KLD)
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 256.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 64.13 Lakh/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority
	Disposal of the construction waste debris:	Will be used for Landscaping.
Waste generation in the operation Phase:	**Dry waste:**	3999 kg/day
	Wet waste:	5903 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	114 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	To be handed over to Local Recyclers for recycling.
	Wet waste:	To be processed in the mechanical composting. Manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	310 sqm
	Area for machinery:	50 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25.00 lakhs
	O & M cost:	Rs. 8.00 lakhs

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 :**	21,038.52 sq.m (G-1 Zone :93,765.00 sq.m)
	No of trees to be cut :	-
	Number of trees to be planted :	1658 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	114	Medicinal tree
2	Lagerstroemia	Crape myrtle	194	Flowering tree
3	Samanea saman	Rain Tree	161	Shady tree
4	Cassia fistula	golden rain tree	208	Flowering tree
5	Michelia champaca	Son-chafa	246	Flowering tree
6	Mangifera indica	Mango	215	Fruiting tree
7	Mimusops elengi	Bakul	140	Evergreen tree
8	Polyalthia longifolia	Ashok	186	Ashok
9	Plumeria alba	Chafa	164	FLowering tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	150 kW
	DG set as Power back-up during construction phase	200 KVA
	During Operation phase (Connected load):	40632.2 kW
	During Operation phase (Demand load):	10031.9 kW
	Transformer:	12 x 630 kVA, 5 x 1000 kVA & 1 X 200 kVA
	DG set as Power back-up during operation phase:	1 X 500 kVA, 2 X 125 kVA, 1 X 200 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy savings	27.4 %

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. 223.80 Lakhs
	O & M cost:	Rs. 8.95 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	EHS	Toilets for labour + drinking water + first aid arrangement	1.5
2	Health and Safety of Laborers	Health, safety & first aid facility	1.5
3	Monitoring of Environmental Parameters	Monitoring of Environmental Parameters	1
4	Environmental Monitoring Cell	Environmental Monitoring Cell	1

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	256.55	64.13
2	Solid waste management	Mechanical composter	25	8
3	Water environment	RWH	104.5	10.45
4	Land environment	landscape	33	6.6
5	Energy saving	Solar	223.8	8.95

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 project site is accessible through the 15.00 m wide DP road , 24 m wide DP road & 30 m wide DP road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	68124.03 sq.m
	Area per car:	40 sq.m
	Area per car:	40 sq.m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	1686 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	minimum 6 m wide
	CRZ/ RRZ clearance obtain, if any:	CRZ NOC obtained vide letter mo. CRZ-2012/CR-51/TC-3

	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	Nil
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Anil Bhatija was present during the meeting along with environmental consultant M/s. Enviro Analysts and Engineers Pvt. Ltd.

PP informed that, the project under consideration is expansion in existing residential project. *PP further stated that,* the total plot area of the project is 165608.00 Sq.mt. having total construction area 318590.7 Sq.mt(FSI - 2,23,427.64 sq.mt +NON FSI- 95,163.06 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg No. 1 to 7 & 10 to 20	St + 12 floors	37.64
Bldg 8	St + 16 floors	49.3
Bldg 9	St + 16 (pt) floors	49.3
Bldg No. 21 to 28	St + 14 floors 43.43	
Bldg 29,30	St + 16 floors 49.3	
Bldg 31, 32	St + 17 floors 52.2	
Bldg 33 to 38	St + 20 floors 60.20	
Bldg. 39,40 (Commercial)	G + 1 floor 9.14	
Bldg 41 (Commercial)	Gr floor 7.9	
Bldg 42 (bungalow)	Gr + 1 floor	6.00
Bldg 43 to 45	St + 20 floors	60.20
Clubhouse	G + 1 floor	6.00

It is noted that, Project has received Environmental clearance vide letter dated 8th August 2012 for total construction area of 2,62,410.77 sq.mt

It is noted that the project earlier considered in 104th SEAC-2 Day-2 Meeting held on 07-01-2019 & deferred with observations namely 1) to upload the copy of list of directors of the company dully registered under registrar of company. 2) to ensure that, RG area as per earlier EC should not be reduced. 3) to upload the copy of LoI along with layout plan. 4) to mark all drive ways on fire tender movement plan. 5) to upload the copy of CFO NoC. 6) to upload the copy of CRZ NoC. 7) to ensure that BoD should be below 10. 8) to ensure ECBC norms are complied. 9) to upload river study report done by CWPRS & also include the same in EIA. 10) to revise the traffic study considering the two wheeler vehicles also along with speed of the vehicles. 11) to submit the revised wind analysis considering the minimum & maximum wind speed observed by IMD for longer period. 12) Environment Consultant should ensure that details like source of data, length of data should be mentioned in the EIA report. 13) It is noted that, in EIA it is mentioned as geology study is carried out as desktop study. Environment consultant should mention it in correct way. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to abide all conditions stipulated in CFO NoC.
2) PP to ensure that, no construction should be carried out in the CRZ II & III area of the plot as mentioned in the CRZ NoC.
3) PP to upload the undertaking regarding ECBC guidelines complied.
4) PP to submit the disaster management plan considering the STP failure as one of the likely disaster point.
5) PP to upload the traffic study report along with clear map.
6) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC
7) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Expansion of Slum Rehabilitation Scheme at Plot bearing C.S. No. 426, 427(pt), 431, 1/431, 432(pt.), 1/437, 437(pt.), 440(pt.), 645(pt), 646(pt), 648(pt) 649 (pt), 650 (pt),651(pt), 654, 655(pt), 657(pt) 658(pt), 659(pt), 854,869,870,871 of Parel Sewri division & CS No. 155(pt), 174(pt), 176(pt), 1/177 ,185(pt), 1038, 1039 of Dadar Naigaon division.,F/South ward of MCGM. by M/s Omkar Realtors and Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Expansion of Slum Rehabilitation Scheme at Plot bearing C.S. No. 426, 427(pt), 431, 1/431, 432(pt.), 1/437, 437(pt.), 440(pt.), 645(pt), 646(pt), 648(pt) 649 (pt), 650 (pt),651(pt), 654, 655(pt), 657(pt) 658(pt), 659(pt), 854,869,870,871 of Parel Sewri division & CS No. 155(pt), 174(pt), 176(pt), 1/177 ,185(pt), 1038, 1039 of Dadar Naigaon division.,F/South ward of MCGM. by M/s Omkar Realtors and Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Omkar Realtors and Developers Pvt. Ltd
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Slum Rehabilitation Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental clearance on 14th February 2019 vide No. SEIAA-EC-0000000682 for total construction area of 941746.21 sq.m.
8.Location of the project	C.S. No. 426, 427(pt), 1/431, 431, 432(pt.), 1/437, 437(pt.), 440(pt.), 645(pt), 646(pt), 648(pt) 649 (pt), 650 (pt),651(pt), 654, 655(pt), 657(pt) 658(pt), 659(pt), 854,869,870,871 of Parel Sewri division & CS No. 155(pt), 174(pt), 176(pt), 1/177 ,185(pt), 1038, 1039 of Dadar Naigaon division.,F/South ward of MCGM.
9.Taluka	Mumbai
10.Village	Parel- Sewri Division & Dadar- Naigoan Division
Correspondence Name:	M/s Omkar Realtors and Developers Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Off Eastern Express Highway, Opp. Sion-Chunnabhatti Signal
Locality:	Sion East
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Yes
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1678/FS/ML&PL/LOI dtd 01 February 2019
	Approved Built-up Area: 394312.95
13.Note on the initiated work (If applicable)	Construction work is in process as per previous EC received dtd 14.02.2019
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI received vide letter no. SRA/ENG/1678/FS/ML&PL/LOI dtd 01 February 2019
15.Total Plot Area (sq. m.)	1,07,988.64 sq.m
16.Deductions	29,300.43 sq.m.
17.Net Plot area	78,688.21 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 489148.63 (Including Fungible FSI)
	b) Non FSI area (sq. m.): 722200.41 (Including temporary transit bldgs.)
	c) Total BUA area (sq. m.): 1211349.04
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 3,94,312.95
	Approved Non FSI area (sq. m.): 722200.41 sq.m
	Date of Approval: 01-02-2019

19.Total ground coverage (m2)	45204.42 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.44 %
21.Estimated cost of the project	22230000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Bldg no. 1: Wing A to C	Gr +23 Flrs	69.95
2	Rehab Bldg no. 1: Wing D to E	Gr +22 Flrs	68.45
3	Rehab Bldg no. 1: Wing F	Gr +22 Flrs	69.50
4	Rehab Bldg No.2	Gr +23 Flrs	69.75
5	Rehab Bldg No.3: Wing A to C	Basement (Services)+Gr + 40 floors	119.80
6	Rehab Bldg No.3: Wing D to G	Basement (Services)+Gr + 23 floors	69.70
7	Rehab Bldg No.4	Basement (Services)+Gr + 40 floors	119.05
8	Rehab Bldg No.5: Wing A & B	Basement (Services)+Gr + 40 floors	119.80
9	Sale Bldg no. 1: Wing I	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 54 Flrs	223.86
10	Sale Bldg no. 1: Wing J	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 54 Flrs	206.65
11	Sale Bldg no. 1: Wing K	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 49 Flrs	190.65
12	Sale Bldg no. 1: Wing L	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 43 Flrs	171.45
13	Sale Bldg no. 1: Wing M	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 41 Flrs	165.05
14	Sale Bldg no. 1: Wing N	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 47 Flrs	184.25
15	Sale Bldg. No. 2	Ground + 20th (pt) Flrs	62.20
16	Composite Bldg No.1: Rehab Wings A, B & C	Gr + 23 Floors	69.85
17	Composite Bldg No.1: Sale Wing A & B	Part Basement+ Gr + 4 Podiums + 5th Amenity floors + 27 upper Flrs	111.00
18	Composite Bldg No.2 (Wing A to C)	B+Gr+2 Flrs	15.00
19	Composite Bldg No.2: School Bldg	G + 3 Flrs	15.00
20	Bhoiwada School Bldg.	G +5 Flrs	22.20
21	Sale Bldg No.4	2 Basements + Lower Ground +Ground floor +9 Podium + Stilt Floor + 1st to 62nd floor	231.20
22	Temporary Transit Bldgs. (1to 4)	Gr+7 upper Floor	20.95

23.Number of tenants and shops	Rehab: - 5993 nos. Sale:-3104 nos.
24.Number of expected residents / users	46316 nos
25.Tenant density per hectare	1157 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)	Access through Jerabai wadia road 12.20 m wide & 13.40 m wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m to 12 m
29.Existing structure (s) if any	Since it is an ongoing project there are under construction buildings on site.
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM / treated water from STP
	Fresh water (CMD):	3999
	Recycled water - Flushing (CMD):	2034
	Recycled water - Gardening (CMD):	73
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	6106
	Fire fighting - Underground water tank(CMD):	Will be provided during EIA
	Fire fighting - Overhead water tank(CMD):	Will be provided during EIA
	Excess treated water	2860

Wet season:	**Source of water**	MCGM / treated water from STP/RWH
	Fresh water (CMD):	3999
	Recycled water - Flushing (CMD):	2034
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	6033
	Fire fighting - Underground water tank(CMD):	Will be provided during EIA
	Fire fighting - Overhead water tank(CMD):	Will be provided during EIA
	Excess treated water	2933
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:**	8.7 m to 9.5 m
	Size and no of RWH tank(s) and Quantity:	Will be provided during EIA
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Will be provided during EIA
	Budgetary allocation (O & M cost) :	Will be provided during EIA
	Details of UGT tanks if any :	-

35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained
	Quantity of storm water:	Will be provided during EIA
	Size of SWD:	Will be provided during EIA

Sewage and Waste water	**Sewage generation in KLD:**	5464 KLD
	STP technology:	MBBR & SBR
	Capacity of STP (CMD):	5635 KLD
	Location & area of the STP:	Below Ground
	Budgetary allocation (Capital cost):	Will be provided during EIA
	Budgetary allocation (O & M cost):	Will be provided during EIA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority.
	Disposal of the construction waste debris:	Used for filling the plot and maintaining natural slopes. Construction debris shall be used for temporary leveling of site and internal roads. Remaining debris will be disposed off as per debris management plan.
Waste generation in the operation Phase:	**Dry waste:**	9201 kg/day
	Wet waste:	13346 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	52 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	To be handed 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 end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	Will be provided during EIA
	Area for machinery:	Will be provided during EIA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be provided during EIA
	O & M cost:	Will be provided 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

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 :**	Layout & DP RG: Layout RG – 9659.16& DP RG: 8816.34 sq. m. RG on podium: 2755.92 sq.m
	No of trees to be cut :	7 nos.
	Number of trees to be planted :	482 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Sita Ashok/ true Ashik	25	Evergreen tree
2	Azadirachta indica	Kadunimb	31	Medicinal Tree
3	Michelia champaca	Son-chafa	32	Flowering Plant
4	Gardenia jasminoides	Anant	20	Flowering plant
5	Mangifera indica	Mango	17	Fruit Tree
6	Ficus glomerata	Umber	24	Fruit Tree

7	Mimusops elengi	Bakul	25	Evergreen tree
8	Polyalthia longifolia	Ashok	20	Evergreen tree
9	Couroupita guianensis	Kailas-chafa	23	Flowering plant
10	Cocos nucifera	Coconut	18	Fruit Tree
11	Cynodon dactylon	Durva	28	grass
12	Wedelia sp.	Wedelia	30	Wedelia
13	Bauhinia purpurea	Bauhonia	25	Flowering plant
14	Plumeria alba	Chafa	35	Flowering plant
15	Psidium guajava	Guava/ Peru	31	Fruit Tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Brihanmumbai Electric Supply and Transport (BEST)
	During Construction Phase: (Demand Load)	150 kW
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	Will be provided during EIA
	During Operation phase (Demand load):	Will be provided during EIA
	Transformer:	Will be provided during EIA
	DG set as Power back-up during operation phase:	Will be provided during EIA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

- External lighting on solar.
- Lifts will be with VFD drives and soft starters, which will result in overall 20 % power saving.
- Common Area Lighting, mainly LED lights with timer control operation
- Solar Hot Water Generation for apartment

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving for the proposed building	Will be provided 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 be provided during EIA
	O & M cost:	Will be provided 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	EHS	Toilets for labour + drinking water + first aid arrangement	11.00
2	Health and Safety of Laborers	Health, safety & first aid facility	15.00
3	Environmental Monitoring	Environmental Monitoring	1.00
4	Environmental Monitoring Cell	Environmental Monitoring Cell	1.00
5	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	20.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	Will be provided during EIA	Will be provided during EIA
2	Water Environment	STP	Will be provided during EIA	Will be provided during EIA
3	Energy	Solar System	Will be provided during EIA	Will be provided during EIA
4	Solid Waste Management	OWC	Will be provided during EIA	Will be provided during EIA
5	Land Environment	Landscaping	Will be provided during EIA	Will be provided 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:	The project site is accessible through the existing 24.38 m wide Jerabai wadia road & 12.00 mw ide DP road
Parking details:	**Number and area of basement:**	Total 9 Nos of basement/ Lower Ground in all the buildings of the layout with a total area of 65583.11 sq.mt.
	Number and area of podia:	Total 18 Nos of Podium in all the buildings of the layout with a total area of 157189.56 sq.mt
	Total Parking area:	151512.42 sq.m
	Area per car:	31.23 sq.m
	Area per car:	31.23 sq.m
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	4851
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 6 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Schedule 8(b), Category B
	Court cases pending if any	NA
	Other Relevant Informations	The details provided are as per the full potential of the project anticipating future expansion.
	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

PP was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt. Ltd.

PP informed that, the project under consideration is *proposed expansion slum rehabilitation scheme project. PP further stated that,* the total plot area of the project is 1,07,988.64 Sq.mt having total construction area 1211349.04 Sq.mt.(FSI – 489148.63 sq.mt +NON FSI- 722200.41 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab Bldg no. 1: Wing A to C	Gr +23 Flrs	69.95
Rehab Bldg no. 1:	Wing D to E Gr +22 Flrs	68.45
Rehab Bldg no. 1:	Wing F Gr +22 Flrs	69.50
Rehab Bldg No.2	Gr +23 Flrs	69.75
Rehab Bldg No.3: Wing A to C	Basement (Services)+Gr + 40 floors	119.80
Rehab Bldg No.3: Wing D to G	Basement (Services)+Gr + 23 floors	69.70
Rehab Bldg No.4	Basement (Services)+Gr + 40 floors	119.05
Rehab Bldg No.5: Wing A & B	Basement (Services)+Gr + 40 floors	119.80
Sale Bldg no. 1: Wing I	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 54 Flrs	223.86
Sale Bldg no. 1: Wing J	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 54 Flrs	206.65
Sale Bldg no. 1: Wing K	1 Lower Grd Flr + Gr. Flr+ 1st to 5th Podium+ Amenity Flr + 49 Flrs	190.65
Sale Bldg no. 1: Wing L	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 43 Flrs	171.45
Sale Bldg no. 1: Wing M	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 41 Flrs	165.05
Sale Bldg no. 1: Wing N	4 Lower Grd Floor + Gr. Flr + 1st to 5th Podium+ Amenity Flr + 47 Flrs	184.25
Sale Bldg. No. 2	Ground + 20th (pt) Flrs	62.20
Composite Bldg No.1: Rehab Wings A, B & C	Gr + 23 Floors	69.85
Composite Bldg No.1: Sale Wing A & B	Part Basement+ Gr + 4 Podiums + 5th Amenity floors + 27 upper Flrs	111.00
Composite Bldg No.2 (Wing A to C)	B+Gr+2 Flrs	15.00
Composite Bldg No.2: School Bldg	G + 3 Flrs	15.00
Bhoiwada School Bldg.	G +5 Flrs	22.20
Sale Bldg No.4	2 Basements + Lower Ground +Ground floor +9 Podium + Stilt Floor + 1st to 62nd floor	231.20
Temporary Transit Bldgs. (1to 4)	Gr+7 upper Floor	20.95

It is noted that, Project has received Environmental clearance vide letter dated 14th February 2019.

It is noted that the project earlier considered in 103rd SEAC-2 (Day-1) Meeting held on 20-06-2019 & deferred due to authorised representative of PP was not present. Accordingly, PP submitted the authority letter along with other relevant documents which was taken on record.

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

DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered only after the compliance of below observations.

Specific Conditions by SEAC:

1) PP to submit & upload the copy of acknowledgement for plan submitted to local planning authority.
2) PP to submit the revised wind analysis, shadow analysis, traffic analysis, light and ventilation analysis reports considering the existing rehab buildings for OC also obtained and measures to reduce heat island effect.
3) Environment Consultant to revise the section of anticipated impact by adding calculations & then impacts. Also to ensure that all references should be listed in the EIA.
4) PP to revise the traffic study considering the two wheeler vehicles also along with speed of the vehicles.
5) PP & Environment consultant to revise & submit the EIA considering the total impact of the plot for all environmental parameters.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Amendment and Expansion in EC for proposed development of residential project at plot bearing S. No. 5, 9, 13 to 15, 17, 18, 38 /1D, 22 to 24, 26, 29 to 34, 38 to 42, 53 & 2, 7, 11, 12, 16, 19, 28, 43 (all in parts) at village Sagarli, Tal & Dist. Thane, Maharashtra proposed By Shree Khidkaleshwar Property Developers Pvt. Ltd. (Formerly known as M/s. Shree Khidkaleshwar Land Developers)

Is a Violation Case: No

1.Name of Project	SHREE KHIDKALESHWAR PROPERTY DEVELOPERS PVT. LTD. (Formerly known as M/s. Shree Khidkaleshwar Land Developers)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bharat Shah, SHREE KHIDKALESHWAR PROPERTY DEVELOPERS PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil, MAHABAL ENVIRO ENGG. PVT. LTD.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment and Expansion in EC for proposed development of residential project ''River wood Park''
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Obtained EC vide letter No. 21-54/08 IA III dt. 7th Oct 2010 for the plot area 1, 64,930 m2 having FSI area 97,597.54 m2 & total construction area 1,13,038.54 m2. Existing 40 buildings having FSI area 61,311.27 m2 & total construction area 64,546.27 m2 were completed prior to 2004.
8.Location of the project	Plot S. No. 5, 9, 13 to 15, 17, 18, 38 /1D, 22 to 24, 26, 29 to 34, 38 to 42, 53 & 2, 7, 11, 12, 16, 19, 28, 43 (all in parts) at Village Sagarli, Tal & Dist. Thane, Maharashtra.
9.Taluka	Thane
10.Village	Sagarli
Correspondence Name:	Mr. Bharat Shah
Room Number:	205 Commerce House
Floor:	2nd floor
Building Name:	Commerce House
Road/Street Name:	140 Nagindas Master Road
Locality:	Fort
City:	Mumbai- 400023
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	Approval from TMC vide letter No. V. P. No. 95/135 TMC/TD-DP/TPS/40 Date 01/06/2016
	IOD/IOA/Concession/Plan Approval Number: Approval from TMC vide letter No. V. P. No. 95/135 TMC/TD-DP/TPS/40 Date 01/06/2016
	Approved Built-up Area: 121616.59
13.Note on the initiated work (If applicable)	Work started as per the EC received vide letter No. 21-54/08 IA III dt. 7th Oct 2010. Completed Prior to 2004 FSI: 61,311.27 m2 & Total construction area: 64,546.27 m2. Proposed construction as per EC 2010: FSI: 8,926.55 m2 & Total construction area: 12,789.55 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval from TMC vide letter No. V. P. No. 95/135 TMC/TD-DP/TPS/40 Date 01/06/2016
15.Total Plot Area (sq. m.)	1,66,430 m2
16.Deductions	14,296.75 m2
17.Net Plot area	1,52,133.25 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2,63,025.74 m2
	b) Non FSI area (sq. m.): 1,76,007.37 m2
	c) Total BUA area (sq. m.): 439033.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 121616.59
	Approved Non FSI area (sq. m.): 1,15,051.96 m2
	Date of Approval: 01-06-2016
19.Total ground coverage (m2)	Existing: 17,000 m2 & Proposed: 35,386.09 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Existing: 10.21% & Proposed: 21.26%
21.Estimated cost of the project	8310000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Buildings (prior to 2004)	-	-
2	Buildings Type D, F, F-1, G, H, K, R4 [21 Bldgs.]	Ground + 4 Upper Floors	14.90 m
3	Buildings Type A-1, B-1, J [5 Bldgs.]	Ground + 7 Upper Floors	23.77 m
4	Buildings Type A-2 & A-3 [2 Bldgs.]	Ground + 7 Upper Floors	23.77 m
5	Buildings Type A, B, C, R2, R3 [12 Bldgs.]	Ground + 7 Upper Floors	22.86 m
6	Proposed Buildings	-	-
7	U-3 (1) [1 Bldg.]	S + 24th upper floors	76.40 m
8	U-3 (2,3) [2 Bldgs.]	S + 3P + 24 upper floors	86.70 m
9	U-5 (4,5,6,7) [4 Bldgs.]	S + 3P + 24 upper floors	86.70 m
10	U-6 (39, 40, 41,42) [4 Bldgs.]	S + 3P + 30 upper floors	105.0 m
11	U-7(43, 44, 47, 48, 50) [5 Bldgs.]	S + 3P + 30 upper floors	105.0 m
12	U-8 (45,46) [2 Bldgs.]	S + 3P + 30 upper floors	105.0 m
13	U-9 (49) [1 Bldg.]	S + 3P + 30 upper floors	105.0 m
14	U-10 (64) [1 Bldg.]	S + 30 upper floors	94.70 m
15	U-11 (65) [1 Bldg.]	S + 30 upper floors	94.70 m
16	School Bldg. [1 Bldg.]	S + 6 upper floors	26.25 m

23.Number of tenants and shops	Existing: 1,208 Nos. (prior to 2004) Proposed: 4,201 Nos. Total : 5,409 Nos.
24.Number of expected residents / users	Population: 27,940 Nos.
25.Tenant density per hectare	385/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60.0 m wide Kalyan Shilphata Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Yes, Existing 40 Buildings prior to 2004 of G+4/7 floors.

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

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	2,456 KLD
	Recycled water - Flushing (CMD):	1,235 KLD
	Recycled water - Gardening (CMD):	254 KLD
	Swimming pool make up (Cum):	10 KLD
	Total Water Requirement (CMD) :	3,701 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	1,922 KLD
Wet season:	**Source of water**	TMC + RWH
	Fresh water (CMD):	2,280 KLD + 176 KLD
	Recycled water - Flushing (CMD):	1,235 KLD
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	3,701 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	2,176 KLD
Details of Swimming pool (If any)	Yes, provided on 3rd podium	

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:	8 Nos. of tanks of ttotal 550 KL capacity
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Recharge pits proposed: 22 Nos.
	Size of recharge pits :	Size: 2.00 m x 1.50 m x 2.0 m
	Budgetary allocation (Capital cost) :	Rs. 127 lakh
	Budgetary allocation (O & M cost) :	Rs.13 lakh/ y
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	Towards East
	Quantity of storm water:	3.76 m3/s
	Size of SWD:	600 x 450, 600 x 600, 450 x 300, 400 x 450, 750 x 600, 1200 x 1500, 750 x 400, 450 x 350, 1000 x 1150 etc. (all in mm)
Sewage and Waste water	**Sewage generation in KLD:**	3,446 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	8 Nos. of STP having total 3,550 KLD capacity i.e. • STP 1: 125 KLD • STP 2: 225 KLD • STP 3: 240 KLD • STP 4: 235 KLD • STP 5: 1675 KLD • STP 6: 225 KLD • STP 7: 50 KLD • STP 8: 775 KLD.
	Location & area of the STP:	Ground & area provided • STP 1: 100 m2 • STP 2: 150 m2 • STP 3: 170 m2 • STP 4: 170 m2 • STP 5: 1200 m2 • STP 6: 160 m2 • STP 7: 35 m2 • STP 8: 550 m2.
	Budgetary allocation (Capital cost):	Rs. 710 Lakh
	Budgetary allocation (O & M cost):	Rs. 142 Lakh/y

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris : 11,000 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving. The construction debris & excavated material will be disposed as per the “Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2016”.
Waste generation in the operation Phase:	**Dry waste:**	5,481 kg/d
	Wet waste:	8,221 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	34 m3/day
	Others if any:	Household E-Waste Generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to authorized recyclers
	Wet waste:	Wet garbage will be composted using Biomethanation plant.
	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 (if any).
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Area provided: 400 m2
	Area for machinery:	400 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80 Lakh
	O & M cost:	Rs. 32 Lakh/y

37.Effluent Charecterestics

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

Amount of effluent generation (CMD):	Not applicable
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 :**	RG area required: 21,079.61 m2, RG area provided: 50,777.71 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	Trees planted till date: 354 Nos., New Trees to be planted: 1,546 Nos.
	List of proposed native trees :	As Mentioned 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	64	Official state tree
2	Saraca indica	Sita Ashok	72	Hardly evergreen tree, grows well in warm climate
3	Butea Monosperma	Palash	56	Medium deciduous tree with bright flowers
4	Anthocephalus kadamba	Kadamb	68	Deciduous tree, large foliage & beautiful tree
5	Azadirachta Indica	Neem	72	Hardy evergreen tree, has medicinal properties
6	Murraya exotica	Kunti	76	Small, evergreen tree, good for gardens
7	Magnolia Champaca	Chafa	82	Ornamental flowering tree, hardy in nature
8	Erythrina indica	Pangara	74	Medium sized deciduous tree. Bright scarlet flowers
9	Murraya Koenigii	Curry Leaves	63	Evergreen tree, has medicinal properties
10	Citrus sp	Lemon	88	Butterfly host plant
11	Michelia champaca	Son Chafa	75	Medium sized evergreen tree, fragrant yellow flowers
12	Cassia fistula	Bahava	70	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
13	Alstonia scholaris	Satvin	85	Shady, large evergreen tree, white fragrant flowers
14	Pongamia pinnata	Karanj	95	Shady tree
15	Albizia lebbeck	Shirij	86	Shady tree, yellowish green fragrant flowers
16	Erythrina Variegata	Coral Tree	74	Deciduous flowering tree, quick growing tree
17	Phyllanthus Emblica	Amla	76	Fruit tree attracting birds
18	Manilkara Zapota	Chicu	62	Fruit tree attracting birds
19	Tamarindus Indica	Tamarind	66	Large fruit tree attracting birds
20	Syzygium Cumini	Jaamun Tree	74	Fruit tree attracting birds
21	Ailanthus excelsa	Maharukh	68	Large tree, good for roadside plantation

45.Total quantity of plants on ground	

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	660 kW
	DG set as Power back-up during construction phase	5 x 82.5 kVA
	During Operation phase (Connected load):	19 MW
	During Operation phase (Demand load):	10.5 MW
	Transformer:	16 x 990 kVA
	DG set as Power back-up during operation phase:	Total DG set Capacity: 10 x 125 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Solar hot water will be provided.
- Solar Panel lights will be installed for common facilities whenever possible.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy saving	19.22 %

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. 150 Lakhs
	O & M cost:	Rs. 08 Lakh/y

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Water spray for dust suppression	-	25
2	Site sanitation (Toilets)	-	10
3	Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	-	8
4	Potable Water Supply to Labour Camp	-	12
5	Health check-up & first aid	-	8.5
6	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	24
7	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	-	5.5
8	Safety nets	-	10
9	Tyre cleaning and Vehicle maintenance	-	8.5
10	Solid Waste Management & Site maintenance activity	-	5.5
11	Safety - Training to Workers (Twice in Year), Safety Officer	-	3.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	710	142	Continuous O & M
2	Solar System	150	8	Weekly
3	Rain Water Harvesting	127	13	During rainy season (Cleaning of RWH tanks and Filtration chamber)
4	Biomethanation Plant	80	32	Continuous O & M
5	Landscape development	508	76	Daily
6	Environmental Monitoring	-	8	As per the CPCB guidelines through MoEF Approved laboratories

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:	60.0 m wide Kalyan Shilphata Road & 9 m, 12 m, 24 m wide internal Roads
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 Podiums for Unit No. 3, 5 & Phase III (Unit 6 to 9) having total area 92,218.98 m2. Unit No. 3: Per Podium area: 2,380.68 m2 , Unit No. 5: Per Podium area: 4,900.16 m2, Phase III (Unit 6 to 9): Per Podium area: 23,558.82 m2
	Total Parking area:	92,218.98 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	5,319 Nos.
	Number of 4-Wheelers as approved by competent authority:	Existing: Req: 583 Nos. & Provided: 596 Nos., Proposed: Req: 3,585 Nos. & Provided: 3,629 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	60.0 m wide Kalyan Shilphata Road
	CRZ/ RRZ clearance obtain, if any:	Obtained
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-05-2016

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
13.Note on the initiated work (If applicable)	Work started as per the EC received vide letter No. 21-54/08 IA III dt. 7th Oct 2010. Completed Prior to 2004 FSI: 61,311.27 m2 & Total construction area: 64,546.27 m2. Proposed construction as per EC 2010: FSI: 8,926.55 m2 & Total construction area: 12,789.55 m2	Work started as per the EC received vide letter No. 21-54/08 IA III dt. 7th Oct 2010. Completed Prior to 2004 FSI: 61,311.27 m2 & Total construction area: 64,546.27 m2. Proposed construction as per EC 2010: FSI: 16,313.35 m2 & Total construction area: 27,881.34 m2
32.Total Water Requirement (Dry season)	Fresh water (CMD): 2,456 KLD, Recycle water Flushing (CMD): 1,235, Excess treated water (CMD): 1,922	Fresh water (CMD): 2,728 KLD, Recycle water Flushing (CMD): 963, Excess treated water (CMD): 1,441
32.Total Water Requirement (Wet season)	Fresh water (CMD): 2,289 KLD + 176 KLD (RWH), Recycle water Flushing (CMD): 1,235, Excess treated water (CMD): 2,176	Fresh water (CMD): 2,557 KLD + 176 KLD (RWH), Recycle water Flushing (CMD): 963, Excess treated water (CMD): 1,695 KLD
34.Rain Water Harvesting (RWH)	8 Nos. of tanks of ttotal 550 KL capacity	7 Nos. of tanks of total 561 KL capacity
35.Storm water drainage	Quantity of storm water: 3.76 m3/s	Quantity of storm water: 7.35 m3/s
36. Sewage and waste water	Sewage generation in KLD: 3,446 KLD	Sewage generation in KLD: 2,685 KLD
36. Sewage and waste water	Capacity of STP (CMD): 8 Nos. of STP having total 3,550 KLD capacity i.e. • STP 1: 125 KLD • STP 2: 225 KLD • STP 3: 240 KLD • STP 4: 235 KLD • STP 5: 1675 KLD • STP 6: 225 KLD • STP 7: 50 KLD • STP 8: 775 KLD.	Capacity of STP (CMD): 7 Nos. of STP having total 2,730 KLD capacity i.e. • STP 1: 235 KLD • STP 2: 235 KLD • STP 3: 125 KLD • STP 4: 215 KLD • STP 5: 225 KLD • STP 6: 1645 KLD • STP 7: 50 KLD
36. Sewage and waste water	Location & area of the STP: Ground & area provided • STP 1: 100 m2 • STP 2: 150 m2 • STP 3: 170 m2 • STP 4: 170 m2 • STP 5: 1200 m2 • STP 6: 160 m2 • STP 7: 35 m2 • STP 8: 550 m2.	Location & area of the STP: Ground & area provided • STP 1: 160 m2 • STP 2: 160 m2 • STP 3: 90 m2 • STP 4: 160 m2 • STP 5: 160 m2 • STP 6: 770 m2 • STP 7: 55 m2.
37.Solid waste Management (Waste generation in the operation Phase)	STP Sludge (Dry sludge): 34 m3/day	STP Sludge (Dry sludge): 27 m3/day
44.Green Belt Development	Number of trees to be planted: Trees planted till date: 354 Nos., New Trees to be planted: 1,546 Nos.	Number of trees to be planted: Trees planted till date: 354 Nos., New Trees to be planted: 2,946 Nos.
45.Number and list of trees species to be planted in the ground	• Taaman: 64, • Sita Ashok: 72, • Palash: 56, • Kadamb: 68, • Neem: 72, • Kunti: 76, • Chafa: 82, • Pangara: 74, • Curry Leaves: 63, • Lemon: 88, • Son chafa: 75, • Bahava: 70, • Satvin: 85, • Karanj: 95, • Shirij: 86, • Coral tree: 74, • Amla: 76, • Chicu: 62, • Tamarind: 66, • Jaamun Tree: 74, • Maharukh: 68.	• Taaman: 131, • Sita Ashok: 139, • Palash: 123, • Kadamb: 135, • Neem: 139, • Kunti: 143, • Chafa: 149, • Pangara: 141, • Curry Leaves: 129, • Lemon: 154, • Son chafa: 141, • Bahava: 139, • Satvin: 151, • Karanj: 151, • Shirij: 152, • Coral tree: 140, • Amla: 140, • Chicu: 128, • Tamarind: 132, • Jaamun Tree: 146, • Maharukh: 134.
50.Detail calculations & % of saving:	Total energy saving: 19.22 %	Total energy saving: 22.6 %

54. Traffic Management	Number of 4- Wheelers as approved by competent authority: Existing: Req: 583 Nos. & Provided: 596 Nos., Proposed: Req: 3,585 Nos. & Provided: 3,629 Nos.	Number of 4- Wheelers as approved by competent authority: Existing: Req: 583 Nos. & Provided: 596 Nos., Proposed: Req: 3,913 Nos. & Provided: 3,920 Nos.
54. Traffic Management	Category as per schedule of EIA Notification sheet: 8(a)	Category as per schedule of EIA Notification sheet: 8(b)

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

PP Mr. Bharat Shah was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is amendment and expansion in EC for proposed development of residential project - River wood Park. PP further stated that, the total plot area of the project is 1,66,430 Sq.mt. having total construction area 439033.11 Sq.mt. (FSI - 2,63,025.74 sq.mt + NON FSI- 1,76,007.37 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Existing Buildings (prior to 2004	--	--
Buildings Type D, F, F-1, G, H, K, R4 [21 Bldgs.]	Ground + 4 Upper Floors	14.90 m
Buildings Type A-1, B-1, J [5 Bldgs.]	Ground + 7 Upper Floors	23.77 m
Buildings Type A-2 & A-3 [2 Bldgs.]	Ground + 7 Upper Floors	23.77 m
Buildings Type A, B, C, R2, R3 [12 Bldgs.]	Ground + 7 Upper Floors	22.86 m
Proposed Buildings	--	--
U-3 (1) [1 Bldg.]	S + 24th upper floors	76.40 m
U-3 (2,3) [2 Bldgs.]	1 S + 3P + 24 upper floors	86.70 m
U-5 (4,5,6,7) [4 Bldgs.]	S + 3P + 24 upper floors	86.70 m
U-6 (39, 40, 41,42) [4 Bldgs.]	S + 3P + 30 upper floors	105.0 m
U-7(43, 44, 47, 48, 50) [5 Bldgs.]	S + 3P + 30 upper floors	105.0 m
U-8 (45,46) [2 Bldgs.]	S + 3P + 30 upper floors	105.0 m
U-9 (49) [1 Bldg.]	S + 3P + 30 upper floors	105.0 m
U-10 (64) [1 Bldg.]	S + 30 upper floors	94.70 m
U-11 (65) [1 Bldg.]	S + 30 upper floors	94.70 m
School Bldg. [1 Bldg.]	S + 6 upper floors	26.25 m

It is noted that, Project has received Environmental clearance vide letter dated 7th Oct 2010.

It is noted that the project earlier considered in 98th SEAC-2 Day-1 Meeting held on 03-05-2019 & deferred with observations namely 1) to submit the revised dated Architect certificate addressed to committee regarding building-wise construction done on site along with copy of layout submitted during earlier EC. 2) to submit the current site photographs to confirm the podium is not constructed. 3) to submit the explanatory note regarding % variation in the project & there is no change in foot print of the project. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

During the presentation it is noted that, in expansion proposal PP has proposed building at the location where he earlier proposed holding pond of capacity of 15150 cubic meter for treated water and the same is mentioned in the EC letter dated 7th October,2010.

As there is no sewer line network in the area and that earlier EC dated 7.10.2010 itself is somehow granted by directing construction of holding pond for disposal of sewage and that no sewer line network and STP of planning authority has come up in spite of lapse of long period of 9 years as seen from municipal corporation's letter dated 10.1.2019 and also that Municipal Corporation has still not given any definitive time line as to when their tender for sewer network will be floated and when sewage disposal network will come up in the area under consideration, the expansion proposal, that too expansion on some part of area earlier marked as pond for sewage disposal, does not become viable from environment point of view and therefore can not be considered.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Expansion of residential cum commercial project - K Residence Plot Bearing New S. No. 37/1, 37/2, 37/3, 37/4, 37/5, 37/6, 37/7, 37/8, 37/9, 37/10, 37/11, 37/12, 37/13 - 283-A(old), New S.No. 38/1, 38/2 - 283-B(old), New S.No. 36/1, 36/2A, 36/2B - 146/1, 146/2 (Pt), 146/2(Pt) (old), New S.No. 10/2 - 147/2 (old), New S.No. 27/2A, 27/2B - 163/2, Dhokali, Thane by M/s. Money Magnum Construction& M/s. Vijay Associates Wadhwa

Is a Violation Case: No

1.Name of Project	Expansion of proposed Residential cum commercial Project – K Residence
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Money Magnum Construction& M/s. Vijay Associates Wadhwa
4.Name of Consultant	Enviro Analysts and Engineers Private Limited.
5.Type of project	Residential
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received dated vide letter no. SEAC-2010/CR.584/TC.2 dtd 15.10.2011 for total construction area 3,57,020.65 sq.m ; EC received dated May 14,2018 vide letter no. SEIAA-EC-0000000299 for total construction area of 1,60,849.46 Sq.m.
8.Location of the project	Plot Bearing New S. No.37/1, 37/2, 37/3, 37/4, 37/5, 37/6, 37/7, 37/8, 37/9, 37/10, 37/11, 37/12, 37/13 - 283-A(old), New S.No. 38/1, 38/2 - 283-B(old), New S.No. 36/1, 36/2A, 36/2B - 146/1, 146/2 (Pt), 146/2(Pt) (old), New S.No. 10/2 - 147/2 (old), New S.No. 27/2A, 27/2B - 163/2 Dhokali, Thane
9.Taluka	Thane
10.Village	Dhokli
Correspondence Name:	M/s. Money Magnum Constructions & M/s. Vijay Associates Wadhwa
Room Number:	1301
Floor:	13th floor
Building Name:	Godrej Colesium, A-wing
Road/Street Name:	Off Eastern Express Highway
Locality:	Behind Everard Nagar, Sion East
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Approval from TMC
	IOD/IOA/Concession/Plan Approval Number: TMC/TDD/22174 dated 21.06.2017
	Approved Built-up Area: 150761.96
13.Note on the initiated work (If applicable)	Construction work started as per ECs received
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied for LOI from TMC
15.Total Plot Area (sq. m.)	90607.52 Sq.m
16.Deductions	37810.00sq.m.
17.Net Plot area	52797.52sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 116762.46 (PLOT A, C :87871.21sq.m, Expansion in Plot A: 28891.25sq.m)
	b) Non FSI area (sq. m.): :97107.00 (Plot A, C:73053.09 Sq.m., Expansion in Plot A:24053.91sq.m)
	c) Total BUA area (sq. m.): 213869.46
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 92953.70
	Approved Non FSI area (sq. m.): 76377.30
	Date of Approval: 21-06-2017
19.Total ground coverage (m2)	20793.72

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.38 %
21.Estimated cost of the project	3940000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sub plot A: Building type 1 , 4	Stilt + 12	39.25
2	Sub plot A: Building type 2, 6	Stilt + 18	56.59
3	Sub plot A: Building type 5 , 7 to 12	Stilt + 20	62.37
4	Subplot A: Building 14	St + 30 (pt)	91.35
5	Subplot A: Building 15	St + 23 (pt)	74.50
6	Subplot A: Building 16	St + 24	77.55
7	Subplot A: Building 21 (proposed expansion)	Ground Pt. Podium Pt. + Mezzanine Podium + 1st Pt. Podium Pt. + 2 to 22 floors	69.94
8	Shop block (proposed expansion)	Ground floor	4.80
9	Sub plot C: Building type 17	Stilt + 20	59.90
10	Sub plot C: Building type 18	Stilt + 28 (pt.)	81.90

23.Number of tenants and shops	Tenements: 2596 nos. Existing bldg1 to 12: 1301, Existing bldg. 14, 15, 16: 449 Proposed: 846 nos. Shops: 71 nos.
24.Number of expected residents / users	Existing: 8750 Proposed residential: 2559, Proposed shops: 462 nos.
25.Tenant density per hectare	499 tenants/ 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)	6.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 m
29.Existing structure (s) if any	Buildings constructed as per EC received in 2018
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	TMC / STP recycled water
	Fresh water (CMD):	1029 KLD (existing:787 KLD, proposed: 242 KLD)
	Recycled water - Flushing (CMD):	517 KLD (existing:393 KLD, proposed: 124 KLD)
	Recycled water - Gardening (CMD):	67 KLD
	Swimming pool make up (Cum):	3 KL
	Total Water Requirement (CMD) :	1616KLD
	Fire fighting - Underground water tank(CMD):	Proposed bldg.:300 cum Existing bldg.: 150 cum & 300 cum
	Fire fighting - Overhead water tank(CMD):	Proposed bldg : 60 cum each wing Existing bldg.: 25 cum each wing
	Excess treated water	582 KLD
Wet season:	**Source of water**	TMC supply/STP recycled water/RWH
	Fresh water (CMD):	1029 KLD (existing:787 KLD, proposed: 242 KLD)
	Recycled water - Flushing (CMD):	517 KLD (existing:393 KLD, proposed: 124 KLD)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	3 KL
	Total Water Requirement (CMD) :	1549 KLD
	Fire fighting - Underground water tank(CMD):	Proposed bldg.:300 cum Existing bldg.: 150 cum
	Fire fighting - Overhead water tank(CMD):	Proposed bldg : 60 cum each wing Existing bldg.: 25 cum each wing
	Excess treated water	649 KLD
Details of Swimming pool (If any)	3 KL of make up water	

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:**	0.5 to 3.5 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Proposed: 3 nos. of recharge pit; Existing: 4 nos. of recharge pit
	Size of recharge pits :	Proposed: 2m x 2m x 1.75m, Existing: 3.5 m x 3.5 m x 4 m
	Budgetary allocation (Capital cost) :	Rs.4.47Lakh
	Budgetary allocation (O & M cost) :	Rs.0.31Lakh/year
	Details of UGT tanks if any :	domestic tank: 1029 cum Flushing tank: 517 cum Fire tank: 750 cum
35.Storm water drainage	**Natural water drainage pattern:**	Towards North
	Quantity of storm water:	9.08 m3/ min
	Size of SWD:	1 no. 450 mm diameter pipe at 1:150 slope
Sewage and Waste water	**Sewage generation in KLD:**	Total sewage: 1413 KLD; Sewage for proposed expansion: 350 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total capacity:1420 KLD; STP for proposed expansion: 1 no. 350 KLD
	Location & area of the STP:	below Ground level
	Budgetary allocation (Capital cost):	Rs. 22.00 Lakh
	Budgetary allocation (O & M cost):	Rs. 2.5 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated waste material generated will be reused for backfilling and rest shall be disposed by covered trucks to the authorized landfill sites with permission from Municipal authority
	Disposal of the construction waste debris:	Will be used for Landscaping
Waste generation in the operation Phase:	**Dry waste:**	1329 kg/day (Proposed: 880 Kg/Day , Existing: 449 kg/day)
	Wet waste:	1966 kg/day (Proposed:1293 Kg/Day, Existing: 673 kg/day)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	17 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Shall be handed over to authorized recyclers
	Wet waste:	Shall be processed in OWC and manure will be used for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be processed in OWC and manure will be used for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	76.5 sq.m
	Area for machinery:	8 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 18.75 lakhs
	O & M cost:	Rs.1.6 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
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	13324.36 sq.m
	No of trees to be cut :	-
	Number of trees to be planted :	888 nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	122	Native tree, medicinal value
2	Anthocephalus cadamba	Kadamb	113	Evergreen Tropical tree
3	Bombax cieba	Semal	112	Deciduous Tall tree , flowering tree
4	Alzibia lebbeck	shirish	133	medicinal value
5	Mangifera indica	mango	157	shady, fruit bearing, prevents soil erosion
6	Delonix indica	Gulmohar	154	ornamental tree
7	Cassia fistula	Bahava	97	Evergreen tree, medicinal value
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	97 kW
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	15100.88 kW (Proposed:2667.72 kW, Existing: 7233.16 kW)
	During Operation phase (Demand load):	8123.17 kW (Proposed:1775.15 kW, Existing: 3298.02 kW)
	Transformer:	Proposed: 4 X 630 KVA & Existing: 3 X 1000 kVA 7 1 X 5548 kVA
	DG set as Power back-up during operation phase:	Proposed: 2 nos. x 200 KVA , Existing: 3 X 625
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of solar water heaters, LED fixtures, low loss transformers etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	16.6%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 71.5 lakh
	O & M cost:	Rs. 1.9 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water for Dust Suppression	2
2	EHS	Site Sanitation	2
3	Environmental Monitoring	Environmental Monitoring	6
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	3.6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water conservation	Rain water harvesting	4.47	0.31
2	Wastewater management	Sewage treatment plant	22.00	2.5
3	Energy conservation	Energy saving parameters	71.5	1.9
4	Solid waste management	Organic waste converter	18.75	1.6
5	Land Environment	Landscape	20	1

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:	2 nos. of entry & exit
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	5166.33 sq.m
	Total Parking area:	43810sq. m.
	Area per car:	32.5 sq. m.
	Area per car:	32.5 sq. m.
	Number of 2-Wheelers as approved by competent authority:	1414
	Number of 4-Wheelers as approved by competent authority:	1348
	Public Transport:	-
	Width of all Internal roads (m):	6.0 m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (3 km)
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Sandeep was present during the meeting along with environmental consultant M/s. Enviro Analysts and Engineers Private Limited.

PP informed that, the project under consideration is expansion of proposed Residential cum commercial Project – K Residence. PP further stated that, the total plot area of the project is 90607.52 Sq.mt having total construction area 213869.46Sq.mt. (FSI - 116762.46- PLOT A, C :87871.21sq.m, Expansion in Plot A: 28891.25sq.m) + NON FSI- :97107.00 (Plot A, C:73053.09 Sq.m., Expansion in Plot A:24053.91sq.m) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sub plot A: Building type 1 , 4	Stilt + 12	39.25
Sub plot A: Building type 2, 6	Stilt + 18	56.59
Sub plot A: Building type 5 , 7 to 12	Stilt + 20	62.37
Subplot A: Building 14	St + 30 (pt)	91.35
Subplot A: Building 15	St + 23 (pt)	74.50
Subplot A: Building 16	St + 24	77.55
Subplot A: Building 21 (proposed expansion)	Ground Pt. Podium Pt. + Mezzanine Podium + 1st Pt.Podium Pt. + 2 to 22 floors	69.94
Shop block (proposed expansion)	Ground floor	4.80
Sub plot C: Building type 17	Stilt + 20	59.90
Sub plot C: Building type 18	Stilt + 28 (pt.)	81.90

It is noted that the project earlier considered in 99th Meeting held on 15-05-2019 & deferred with observations namely 1) to submit the chronology of the project along with all supporting documents like copy of earlier accorded ECs, copy of approved Plans, Copy of CCs, Ownership documents etc 2) to submit dated Architect certificate addressing to committee regarding building wise construction done on site as per EC accorded. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 19/7/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply with following points.

Specific Conditions by SEAC:

1) Committee noted that, PP have circulated the revised CS, PP to revised the same online also.
2) PP to submit the revised dated Architect certificate addressed to committee regarding building-wise (Configuration, FSI, NoN-FSI, TBUA) as per earlier EC, approvals from local Authority, actual construction done and proposed expansion.
3) PP to specify the use of foot print on which new building is proposed.
4) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
5) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
6) PP to submit traffic study considering the speed of the vehicles also. PP to ensure that, data for the traffic study should be collected for 7 days.
7) PP to submit comparative statement regarding assessment of Environment Impact as per earlier EIA, Actual and impact due to proposed expansion.
8) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
9) PP to ensure that RG required is as per the norms.
10) PP to submit Nalla remarks along with marking of HFL/LFL ((Blue zone/red zone) lines.
11) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area
12) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Proposed Residential cum Commercial project on plot bearing CTS Nos. 3019, 3256, 3464 pt, 3466 pt, 3588 pt, 3592, 3598 pt, 3599 pt, 3657 to 3664, 3667 pt to 3669 pt, 3670 pt, 3671 to 3675, 3750 to 3756 at village:- Mire (Mahajanwadi); Tal & Dist – Thane by ZIRCON INFRASTRUCTURE LLP

Is a Violation Case: No

1.Name of Project	ZIRCON INFRASTRUCTURE LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Aditya V Mirchandani
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	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	On plot bearing CTS Nos. 3019, 3256, 3464 pt, 3466 pt, 3588 pt, 3592, 3598 pt, 3599 pt, 3657 to 3664, 3667 pt to 3669 pt, 3670 pt, 3671 to 3675, 3750 to 3756 at village:- Mire (Mahajanwadi); Tal & Dist – Thane by ZIRCON INFRASTRUCTURE LLP
9.Taluka	Thane
10.Village	Mire (Mahajanwadi)
Correspondence Name:	Zircon Infrastructure LLP
Room Number:	505/506
Floor:	5th
Building Name:	Shalimar morya park
Road/Street Name:	New Link Road
Locality:	-
City:	Andheri (W), Mumbai - 400053
11.Whether in Corporation / Municipal / other area	Mira Bhayander Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	662/2018-19 DT: 04/05/2018
	IOD/IOA/Concession/Plan Approval Number: 662/2018-19 DT: 04/05/2018
	Approved Built-up Area: 6514.76
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	8673.43 m2
16.Deductions	1361.73 m2
17.Net Plot area	7311.7 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19057.42 m2
	b) Non FSI area (sq. m.): 13114.57 m2
	c) Total BUA area (sq. m.): 32171.99
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 6,514.76 m2
	Approved Non FSI area (sq. m.): 5,006.41 m2
	Date of Approval: 04-05-2018
19.Total ground coverage (m2)	1,508.83 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.63 %
21.Estimated cost of the project	800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	BLDG.NO-1(WING –A&B)	S+22 FLR.	69.95
2	BLDG.NO.-2	S+15 FLR.	48.95
3	BLDG.NO.-3(HALL)	G+1 FLR.	8.70

23.Number of tenants and shops	No of tenants: 455 Nos. Commercial Area: 284.90 m2 Club house: 163.56 m2
24.Number of expected residents / users	2314 Nos.
25.Tenant density per hectare	650/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)	The project site is accessed by 60 m wide DP Road (National Highway -8)
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	Defunct Godown will be demolished.
30.Details of the demolition with disposal (If applicable)	Total demolition disposal quantity is 100 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

Dry season:	**Source of water**	MBMC
	Fresh water (CMD):	206
	Recycled water - Flushing (CMD):	103
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	309
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	174
Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	173
	Recycled water - Flushing (CMD):	103
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	309
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	183
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:**	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	Well is existing on site & same we will recharge with rainwater.
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	0.8 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards West side
	Quantity of storm water:	The storm water generation 937.59 m3/hr
	Size of SWD:	450 mm x 600 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	288 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 300 KLD capacity
	Location & area of the STP:	Underground and Area of STP: 175 m2
	Budgetary allocation (Capital cost):	Rs.69 Lakh
	Budgetary allocation (O & M cost):	Rs. 16 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 975 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	687 kg/day
	Wet waste:	458 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	80 m2
	Area for machinery:	26 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 28 Lakh
	O & M cost:	Rs. 11 Lakh/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		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	RG on Ground: 1720.40 m2
	No of trees to be cut :	Existing trees on site:14 Nos. Trees to be retained: 14 Nos
	Number of trees to be planted :	95 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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	ERYTHRINA INDICA	Pangara	10	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	10	Edible, mature fruit as medicinal value, Bird and insect attractive
3	MIMUSOP ELENGI	Bakul	8	As medicinal value, Bird and insect attractive.
4	PONGAMIA PINNATA	Karanj	10	Valued for its oil and insect repellent, having medicinal value.
5	SARACA INDICA	Sita Ashok	6	As medicinal value, Bird and insect attractive
6	ANTHOCEPHALUS CADAMBA	Kadamba	10	Shady, large tree, ball shaped flowers.
7	BAUHINIA PURPUREA	Apta	8	Small tree with small white flowers, Butterfly host plant
8	EUGENIA JAMBOLANA	Jambul	8	Fruit tree attracting birds
9	MICHELIA CHAMPACA	Chafa	5	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	MILLINGTONIA HORTENSIS	Indian cork tree	5	Evergreen Tree
11	NYCTANTHES ARBOR TRISTIS	Parijat	10	Small deciduous fast growing tree, beautiful flowers.
12	POLYALTHIA LONGIFOLIA	Ashoka Tree	5	Shady tree with red-yellow flowers.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 kVA
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	2.5 MW
	During Operation phase (Demand load):	1.4 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	250 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings, Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Energy efficient lighting fixtures (LED lights) to buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Natural shading through elevation features of chajjas to minimize heat gain and reduce air-conditioning requirement	22.56

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. 26 Lakh
	O & M cost:	Rs. 1.3 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	-	4
2	Site sanitation Facility and its maintenance	-	3

3	Potable Water Supply to Labour	-	3
4	Solid waste management	-	4
5	Disinfection	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	4
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2
8	Safety nets	-	5
9	Safety Training to Workers (Twice in Year), Safety Officer	-	5
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	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)	-	69	16
2	Solar System	-	26	1.3
3	Rainwater harvesting	-	-	0.8
4	Solid Waste Composting plant	-	28	11
5	Landscape	-	17	2
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

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	No Basement
	Number and area of podia:	No Podium
	Total Parking area:	Total Parking Area = 1096.80 m2
	Area per car:	10.35 m2
	Area per car:	10.35 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	94 Nos
	Public Transport:	-
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park : 250 m approx
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Aditya Mirchandani was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engineers Pvt. Ltd.

PP informed that, the project under consideration is new housing project. PP *further stated that, t*he total plot area of the project is 8673.43 Sq.mt. having total construction area 32171.99 Sq.mt. (FSI – 19057.42 sq.mt + NON FSI - 13114.57 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
BLDG.NO-1(WING –A&B)	S+22 FLR.	69.95
BLDG.NO.-2	S+15 FLR.	48.95
BLDG.NO.-3(HALL)	G+1 FLR.	8.70

It is noted that the project earlier considered in 101st (Day-2) SEAC-2 Meeting held on 31-05-2019 & deferred with observations namely 1) to submit the explanatory note regarding why the proposal should not be rejected for misleading the committee. 2) to submit corrected plot boundary map with supportive documents like maps issued by city surveyor department. Accordingly, PP submitted the compliance which was taken on record.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload the note regarding measures taken to improve the lux levels.
2) PP to upload the sewer line NoC. The PP to discharge surplus treated water in the sewer network of the local body. In no case, he of his own to discharge it directly to any natural drainage.
3) PP to submit the disaster management plan considering the STP failure as one of the likely disaster point.
4) PP to earmark the two wheeler parking.
5) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
6) PP to submit CER of 1.5% prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Residential & Commercial Development at Chandivali, Andheri (E) Mumbai

Is a Violation Case: Yes

1.Name of Project	Residential & Commercial Development at Chandivali, Andheri (E) Mumbai
2.Type of institution	Private
3.Name of Project Proponent	M/s. Nahar Builders Ltd.
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential & Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New application for EC for the buildings constructed on site which are in the purview of EIA Notification (Plinth completed after 7.7.2004)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	--
8.Location of the project	Plot bearing CTS No. 30A/1-14, 30A/1-16, 30A/2, 36A/8, 36-B,50-B, 52-B,53-B & 29V , 28A/3, 28-B, 29/L, 30-A/1-15,30-A/3, 50-C, 53-A/1-D, 53-C, 53-A/1-B, 1-C, 44-C, 1-D, 44-A, 45, 45/1 to 45/29 (pt), 50-A (pt), 51-A (pt), 52-A (pt), 48-F (pt), 49, 50-A (pt), 40 (pt), 4/2 to 4/59, 4/60, 4/61, 4-E, 20-B , 25/B/1, 26 A, 27 , 28A/1, 29 N , 50 A/6, 38 (pt), 50A/7, 52A/9, 42-D, 43 C/A(pt), 43 C/9 to 43 C/13, 43 C/32 to 43 C/37, 39-A , 14(pt), 36A/4, 50A/11, 52 A/3, 36A/9, 50A(pt), 52/A(pt), 50A/9 , 52A/6,36 A(Pt), 36A/10, 50A(pt), 52/A(pt) and 26-C Chandivali Farm Road, Chandivali, Andheri (E), Mumbai - 400072, Maharashtra. (These City survey numbers are for all 22 sectors as per approved layout. The present project is only for 11 sectors wherein work is commenced/completed)
9.Taluka	Andheri (E)
10.Village	Chandivali
Correspondence Name:	M/s. Nahar Builders Ltd.
Room Number:	B-1
Floor:	--
Building Name:	Mahalaxmi Chambers
Road/Street Name:	22, Bhulabhai Desai Road
Locality:	Mahalaxmi
City:	Mumbai-400 026
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	CE/360/BPES/LOL (layout approval number)
	IOD/IOA/Concession/Plan Approval Number: CE/360/BPES/LOL (layout approval number)
	Approved Built-up Area: 319556.91
13.Note on the initiated work (If applicable)	Detailed site history is given in Form 1.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	4, 85,232.67 Sq. mt. (for total layout).
16.Deductions	1,62,039.97 Sq. mt. (for total layout)
17.Net Plot area	3, 23,192.70 Sq. mt. (for total layout), Plot area of 11 Sectors (The Project before this Hon'ble Authority): 2, 07,290.02 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 48970.40 Sq. mt. And Buildings under purview of EIA Notification: 2,70,586.51 Sq. mt.
	b) Non FSI area (sq. m.): Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 18221.09 Sq. mt. And Buildings under purview of EIA Notification: 2,47,937.00 Sq. mt.
	c) Total BUA area (sq. m.): 518523.31

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 319556.91
	Approved Non FSI area (sq. m.): 266158.09
	Date of Approval: 31-08-2016
19.Total ground coverage (m2)	Existing Buildings not under purview of EIA Notification: 9070.69 Sq.mt. Buildings under purview of EIA Notification: 23833.52 Sq. mt. Total Ground coverage: 32904.21 Sq. mt. (10 %)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10 %
21.Estimated cost of the project	17495000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004)	--	--
2	Sector R2: Building R-2/1, R-2/2 and R-2/3	Stilt + 7 Floors	23.77 mt.
3	Sector R2: Building R-2/4 and R-2/5	Stilt + Podium + 14 Floors	48.15 mt.
4	Sector R3: Building R-3/1: Wing A to E	Stilt + 14 Floors	44.00 mt.
5	Sector R4: Building R-4/1	Plinth	17.98 mt.
6	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.
7	Sector R5: Building R-5/A1 and R-5/A2	Ground + 3 Floors	15.10 mt.
8	Sector R6: Building R-6/1, R-6/2, R-6/3 and R-6/4	Ground	5.33 mt.
9	Sector R14: Building R-14/1 and R-14/2	Ground + 1 Floor	9.50 mt.
10	Existing Buildings under purview of EIA Notification, 1994, 2006 as amended (Plinth completed after 7.7.2004)	--	--
11	Sector R2: Building R-2/6, R-2/7, R-2/8, R-2/9 and R-2/10	Stilt + Podium + 14 Floors	44.95 mt.
12	Sector R3: Building R-3/F: Wing F	Stilt + 2 Podium + 14 Floors	44.00 mt.
13	Sector R3: School	2 Basements + Ground + 8 Floors	39.50 mt.
14	Sector R6: Building R-6/5	Ground	5.33 mt.
15	Sector R12: Building R-12/1	Stilt + Podium + 22 Floors	69.75 mt.
16	Sector R12: Building R-12/3 And R-12/4	Stilt + Podium + 22 Floors	69.25 mt.
17	Sector R12: Building R-12/6	Stilt + Podium + 22 Floors	69.66 mt.
18	Sector R12: Building R-12/2, R-12/5	Stilt + Podium + 21 Floors	68.80 mt.
19	Sector R12: Building R-12/7	Stilt + podium + 20 floors	69.80 mt.
20	Sector R12: Building R-12/9	Stilt + podium + 20 floors	69.40 mt.
21	Sector R12: Building 12/13	Stilt + 2 podium + 20 floors	67.40 mt.
22	Sector R12: Building R-12/8	Basement + Stilt + Podium + 18 Floors	67.35 mt.

23	Sector R12: Building R-12/10	Basement + Stilt + Podium + 20 Floors	69.40 mt.
24	Sector R12: Building R-12/11	Basement + Stilt + Podium + 14 Floors	52.25 mt.
25	Sector R12: Temple	Ground + 1 Floor	15.95 mt.
26	Sector R14: Building R-14/3	Part Basement + G + 3 Podium+ 4-17 Upper Floors	60.60 mt.
27	Sector R18: Residential	Basement + Podium + 18 Floors	61.00 mt.
28	Sector R19: Demart	Basement + Ground + 4 Floors	22.80 mt.
29	Sector R20: Offices	Ground + 10 Floors	39.00 mt.
30	Sector R21: Diagnostic Center	Basement + Ground + 5 Floors	22.20 mt.

23.Number of tenants and shops	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): Flats : 740 Nos, Shops : 66 Nos. Buildings under purview of EIA Notification : Flats : 3001 Nos, Shops: 48 Nos., Classrooms: 73 Nos, Dispensary, Offices , Diagnostic Center and Demart
24.Number of expected residents / users	Existing Buildings not under purview of EIA Notification, 1994 as amended in 2004 (Plinth completed before 07.07.2004): 3898 Nos. Buildings under purview of EIA Notification: 18221 Nos.
25.Tenant density per hectare	116/hector(Considering all the buildings of the plot)
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Sectors in site are interconnected via 13.40 mt. wide D.P. Roads and 18.30 mt. wide D. P. Roads which are further connected to 27.45 mt. wide D.P. Road which connects to 45.75 mt. wide Jogeshwari Vikhroli Link Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9 mt.
29.Existing structure (s) if any	Details given in Form 1 and 1 A
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	--	--	--	--

32.Total Water Requirement

Dry season:	**Source of water**	From M.C.G.M./ Bore well/ Tankers/Treated sewage from STP
	Fresh water (CMD):	Buildings not under purview of EIA Notification: 512 (Domestic : 339+ Flushing : 173) and Buildings under purview of EIA Notification : 1700 (Domestic of all bldgs : 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)
	Recycled water - Flushing (CMD):	For Sector R12 Only : 484
	Recycled water - Gardening (CMD):	151
	Swimming pool make up (Cum):	Buildings under purview of EIA Notification: 14
	Total Water Requirement (CMD) :	Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2349
	Fire fighting - Underground water tank(CMD):	Details shall be submitted
	Fire fighting - Overhead water tank(CMD):	Details shall be submitted
	Excess treated water	Details shall be submitted
Wet season:	**Source of water**	From M.C.G.M./ Bore well/ Tankers/Treated sewage from STP
	Fresh water (CMD):	Buildings not under purview of EIA Notification: 512 (Domestic : 339+ Flushing : 173) and Buildings under purview of EIA Notification : 1700 (Domestic of all bldgs : 1441 + Flushing of Some of the buildings of Sector R2, R3, R6, R14, R18, R19, R20, R21: 259)
	Recycled water - Flushing (CMD):	For Sector R12 Only : 484
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Buildings under purview of EIA Notification: 14
	Total Water Requirement (CMD) :	Buildings not under purview of EIA Notification: 512 and Buildings under purview of EIA Notification: 2198
	Fire fighting - Underground water tank(CMD):	Details shall be submitted
	Fire fighting - Overhead water tank(CMD):	Details shall be submitted
	Excess treated water	Details shall be submitted
Details of Swimming pool (If any)	Details shall be submitted	

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	--	--	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.5 mt. and 3.10 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Details shall be submitted
	Location of the RWH tank(s):	Details shall be submitted
	Quantity of recharge pits:	Details shall be submitted
	Size of recharge pits :	Details shall be submitted
	Budgetary allocation (Capital cost) :	Details shall be submitted
	Budgetary allocation (O & M cost) :	Details shall be submitted
	Details of UGT tanks if any :	Details shall be submitted
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	Details shall be submitted
	Size of SWD:	Details shall be submitted
Sewage and Waste water	**Sewage generation in KLD:**	Buildings not under purview of EIA Notification: 444 KLD And Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: 637 KLD; Sector R12: 1258 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	Buildings not under purview of EIA Notification: To sewer line; Buildings under purview of EIA Notification: Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21: To sewer line; Sector R12: STP of capacity of 1766 KL
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Details shall be submitted
	Budgetary allocation (O & M cost):	Details shall be submitted
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material has been already disposed to the authorized sites with permission from M.C.G.M.
	Disposal of the construction waste debris:	Construction waste material generated during construction of Building R12/13 and Temple shall be partly reused and remaining disposed to the authorized land fill site.
Waste generation in the operation Phase:	**Dry waste:**	Buildings not under purview of EIA Notification: 1011 kg/day And Buildings under purview of EIA Notification: 4244 kg/day
	Wet waste:	Buildings not under purview of EIA Notification: 674 kg/day And Buildings under purview of EIA Notification: 2829 kg/day
	Hazardous waste:	--
	Biomedical waste (If applicable):	There is a dispensary & diagnostic center in Sector R18 & R21 respectively which generates small quantity of bio-medical waste
	STP Sludge (Dry sludge):	From STP of Sector R12 only: 189 kg/day
	Others if any:	E - waste: 30 Kg/month (For Offices in Sector R20 Only)

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Buildings not under purview of EIA Notification: To MCGM, Buildings under purview of EIA Notification- Some of the buildings of Sector: R2, R3, R6, R14, R18, R19, R20, R21 : To MCGM , Bio Waste Converter (BWC) (For Sector R 12 Only)
	Hazardous waste:	--
	Biomedical waste (If applicable):	Handling and disposal of waste as per Bio-Medical Waste Management Rules, 2016.
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	E - waste: Storage of E – Waste in separate space within project site and subsequently handed over to authorize recyclers
Area requirement:	**Location(s):**	Details shall be submitted
	Area for the storage of waste & other material:	Details shall be submitted
	Area for machinery:	Details shall be submitted
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details shall be submitted
	O & M cost:	Details shall be submitted

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	DG Sets	--	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

41.Source of Fuel	--
42.Mode of Transportation of fuel to site	--

43.Green Belt Development	**Total RG area :**	RG on the ground (sq. m.): 15,446.68; RG on the podium (sq. m.): 35,962.35
	No of trees to be cut :	Details shall be submitted
	Number of trees to be planted :	Details shall be submitted
	List of proposed native trees :	Details shall be submitted
	Timeline for completion of plantation :	--

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	Details shall be submitted	Details shall be submitted	Details shall be submitted	Details shall be submitted
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 :**	TATA Power & Reliance Infrastructure
	During Construction Phase: (Demand Load)	Details shall be submitted
	DG set as Power back-up during construction phase	Details shall be submitted
	During Operation phase (Connected load):	Details shall be submitted
	During Operation phase (Demand load):	Details shall be submitted
	Transformer:	Details shall be submitted
	DG set as Power back-up during operation phase:	Details shall be submitted
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Details shall be submitted

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Details shall be submitted	Details shall be submitted

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details shall be submitted
	O & M cost:	Details shall be submitted

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	2.88
2	Air Environment	Air and Noise quality: Sensors for Air quality & Noise level monitoring	11.00
3	Air Environment	Air and Noise quality: By outside MoEF & CC Approved Laboratory	0.44
4	Water Environment	Drinking water analysis	0.66
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control at site	2.40
7	Health & Hygiene	Health-check-up of workers	3.60

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Details shall be submitted	Details shall be submitted	Details shall be submitted	Details shall be submitted

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:	Details shall be submitted
Parking details:	**Number and area of basement:**	Number of Basement : As mentioned in the proposal
	Number and area of podia:	Number of Podium : As mentioned in the proposal
	Total Parking area:	Details shall be submitted
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	Buildings not under purview of EIA Notification: 561 Nos. and Buildings under purview of EIA Notification: 4306 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Details shall be submitted
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 2.00 Km
	Category as per schedule of EIA Notification sheet	Category 8 (b)
	Court cases pending if any	Details are submitted in Form 1
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Item No.2- (0000001500)

Environment Clearance for Residential & Commercial Development at Chandivali, Andheri (E) Mumbai at Plot bearing CTS No. 30A/1-14, 30A/1-16, 30A/2, 36A/8, 36-B,50-B, 52-B,53-B & 29V , 28A/3, 28- B, 29/L, 30-A/1-15,30-A/3, 50-C, 53-A/1-D, 53-C, 53-A/1-B, 1-C, 44-C, 1-D, 44-A, 45, 45/1 to 45/29 (pt), 50-A (pt), 51-A (pt), 52-A (pt), 48-F (pt), 49, 50-A (pt), 40 (pt), 4/2 to 4/59, 4/60, 4/61, 4-E, 20-B , 25/B/1, 26 A, 27 , 28A/1, 29 N , 50 A/6, 38 (pt), 50A/7, 52A/9, 42-D, 43 C/A(pt), 43 C/9 to 43 C/13, 43 C/32 to 43 C/37, 39-A , 14(pt), 36A/4, 50A/11, 52 A/3, 36A/9, 50A(pt), 52/A(pt), 50A/9 , 52A/6,36 A(Pt), 36A/10, 50A(pt), 52/A(pt) and 26-C Chandivali Farm Road, Chandivali, Andheri (E), Mumbai - 400072, Maharashtra by M/s. Nahar Builders Ltd.

Representative of PP Mr. Mahesh Pradhan, Director was present during the meeting along with environmental consultant M/s. Ultra-Tech

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018.

PP stated that, the 15 buildings from Sector R2 (R-2/1, R-2/2, R-2/3, R-2/4, R-2/5),Sector R3 (R-3/1:Wing A to E)Sector R6 (R-6/1, R-6/2, R-6/3 and R-6/4) & Sector R14 (R-14/1 and R-14/2) and Sectors R4, R5 are the existing buildings which were not under purview of EIA Notification, 1994 as amended in 2004 as their Plinth completed before 07.07.2004. PP further stated that, 26 buildings of Sector R2, R3, R6, R14, R12, R18, R19, R20, R21 were under purview of EIA Notification, 1994 as amended in 2004 and / EIA Notification 2006 as amended. PP stated that, total construction is 5,18,523.31Sq.mt. PP further stated that out of these 11 sectors, the constructions of buildings in 10 Sectors are completed and in 1 sector (i.e. R-12) partly completed. In R-12 total 11 buildings are completed; only one building and Temple is partly completed. PP stated that, total constructed built-up area on site till date is 506007.74 Sq.mt. PP informed that, they have also received Occupation certificate for the same. PP stated that, they have received remark as "If proposal (layout) is received prior to notification no EC required" vide letter dated 29/6/2005 from Director, (Engineering, Services & Projects), MCGM therefore they continued the construction work.

PP further informed that, the **Nature of Violation is as follow-**

1. Construction of 26 buildings comprising total built up 506007.74 Sq.mt. without any prior EC.

It is noted that the proposal was considered in 68th, 89th & 100th meeting held on 7/9/2018, 20/2/2019 & 20/5/2019 respectively. ToR & additional ToR in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects issued in 89th Meeting & in 100th meeting the project was deferred with observations namely 1) to submit the copy of final sanctioned layout. 2) PP to explore possibility of providing Bio-methanation plant instead of OWCs PP to provide requisite R.G. on mother earth in accordance with DCR read with Honorable Supreme Court's orders in this regard and submit calculations thereof along with copy of relevant DCR. 3) to submit the Signed copy of Damage assessment report & remediation plan and natural & community resource augmentation plan from accredited consultant. 4) to submit the SWD remark. 5) As stated, PP to submit the report of slope stabilisation of Garden prepared by IIT. 6) to submit the detail dated Architect certificate addressed to committee regarding buildings which are not in the purview of EIA Notification. and also Architect Certificate regarding buildings which are in the purview of EIA Notification. Also to mention the building wise area approved by local authority, actual constructed on site (configuration, FSI, NON-FSI, total built up area), Date of plinth CC, Date of OC & remarks.

Considering total 506007.74Sq.mt construction already done without EC, Committee also visited the proposed site on 14/6/2019 & some observations made by committee. Accordingly, PP submitted the Compliance & EIA, which was taken on record. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting as.

1. **Project details:**

1.	Name and address of Project	Residential and Commercial Development atCTS No. 30A/1-14, 30A/1-16, 30A/2, 36A/8, 36-B,50-B, 52-B,53-B & 29V , 28A/3, 28-B,29/L, 30-A/1- 15,30-A/3, 50-C, 53-A/1-D, 53-C,53-A/1-B,1-C, 44-C,1-D, 44-A, 45, 45/1 to 45/29 (pt), 50-A (pt), 51-A (pt), 52-A (pt), 48-F (pt), 48-F (pt), 49, 50-A (pt), 40 (pt), 4/2 to 4/59, 4/60, 4/61, 4-E, 20-B ,25/B/1,26 A, 27 , 28A/1, 29 N, 50 A/6, 38 (pt), 50A/7, 52A/9, 42-D, 43 C/A(pt), 43 C/9 to 43 C/13, 43 C/32 to 43 C/37, 39-A, 14(pt), 36A/4, 50A/11, 52 A/3, 36A/9, 50A(pt), 52/A(pt),50A/9 , 52A/6,36 A(Pt),36A/10, 50A(pt), 52/A(pt) and 26-C Chandivali Farm Road, Chandivali, Andheri (E), Mumbai - 400072, Maharashtra. (These City survey numbers are for all 22 sectors as per approved layout. The present project is only for 11 sectors [Sectors R-2, R-3, R-4, R-5, R-6, R-12, R-14, R-18, R-19, R-20 & R-21]
2.	Name of Directors	Mr. Mahesh Pradhan Project Proponents: M/s. Nahar Builders Limited.
3.	Total construction completed (built-up area as per EIA notification) : (FSI + NON FSI)	Constructed area for the buildings under purview of EIA Notification: 506007.74 Sq. mt. (Please note in the same layout there are some existing constructed buildings prior to EIA Notification constructed area 67,191.49 Sq.mt.)
4.	Total construction proposed, (built-up area as per EC notification) (FSI + NON FSI)	Total Construction area for the buildings under purview of EIA Notification: 5,18,523.31 Sq.mt. out of which 506007.74 Sq.mt. has been already constructed and proposed area is 12515.57 Sq. mt.
5.	Whether the project has any EC; if yes, give details including approved built up area (FSI + NON FSI)	No
6.	Total cost of the project and total cost of the project already executed? Also, give total cost of the project constructed without EC.	Total cost of project: Rs. 1749.50 Crore Total cost of the project constructed without EC: Rs. 1749.50 Crore
7.	Date of commencement of project	Buildings which are under purview of EIA Notification : First Building R-2/7 in Sector R2 received commencement certificate (CC) from MCGM on date 21.09.2004 (Please note in the same layout there are some existing constructed buildings prior to EIA Notification and the first Building R 3/1in Sector R3 received commencement certificate from MCGM on 18.10.1989)
8.	Date of violation of EC regulation (please justify with documentary evidence)	Date of 1st CC for R2/7 : 21.09.2004 Date of Latest CC for R12/13: 03.12.2010 Details of CC of each buildings of individual sector are given in Point B.1
9.	Date of first submission of information of such violation to the SEIAA or SEAC, if self- notified, along with stoppage of construction work	Applied to EAC, MoEF & CC on date 16.08.2017 for Environmental Clearance under Notification dated 14.03.2017 wherein submitted the information of violation. However as per mandatory guidelines of SEIAA, Maharashtra we have again submitted application on ec-mpcb portal on 23.06.2018 Snapshots of submission are attached as Enclosure
	1. No. of days of violation (9-8)	Maximum violation days considering 1st date of CC for R2/7 i.e. 21.09.2004: **4745 days** Violation days considering latest CC for R12/13 i.e. 03.12.2010 : **2448 days** (As the buildings are constructed in sequential manner from 21.09.2004, 4745 days are only for the first building and that much built-up area commenced on 21.09.2004. For rest of the buildings the no. of violation days will get reduced as per the date of CC. Based on the weighted average of built-up areas multiplied by violation days divided by total built-up area, the average violation days works out to = 4248 days and the damage assessment and costing has been works out accordingly)
10.	Name and address of Environmental consultant, with date of engagement of such consultant	ULTRA-TECH (Environmental Consultancy & Laboratory) (An ISO 9001-2015 Company, Accredited by NABET, Lab: Accredited by NABL & Gazetted by MoEF, GoI) Accreditation NO. : QCI/NABET/ENV/ACO/18/0627 Unit No. 206, 224, 225, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) – 400601 Date of Appointment: 27.02.2017
11.	Any other case of EC violation is reported or pending or decided earlier for projects where any of the directors are involved? If yes, give details	No
12.	Any court case related to EC violation pending or decided against any of the directors including High Court, NGT and sessions court?	(see table below)

No.	Petitioner/Applicant	Court/Tribunal and case/application/WP/ PIL/Appeal Number	Status	Any stay/ injunction granted
1	Mr. Prakash Agarwal	Application No. 104/2016 filed in National Green Tribunal, Pune	Pending	No
2	Mr. Prakash Agarwal	Civil Appeal No. 14533/2017 filed in Hon'ble Supreme Court of India against order passed in matter at serial no. 1	Dismissed	No
3	Mr. Prakash Agarwal	PIL (L) no. 22/2018 filed Hon'ble Bombay High Court converted to Suo Moto PIL No. 1/2019	Pending	No
4	Nahar Amrit Shakti – R2 sector Residents Welfare Association and Ors.	PIL No. 125/2014 filed in Hon'ble Bombay High Court	Disposed	No

2. **Qualitative and Quantitative Identification of Ecological/Environmental Damage:**

Attributes		Phase	On site scenario	Damage Identification
Air Pollution	Construction dust	Construction	• Use of water for dust suppression • Use of covering sheets for trucks carrying construction material to prevent air borne dust • All material storages were adequately covered to avoid dust / particulate emissions • Open burning of solid waste was prohibited • Use of the standard personal protective equipments like masks, goggles, dust mask etc. • Provided barricades of 4.5 mt. height along the periphery of the each sector	No
	Noise	Construction	• Provided barricades of 4.5 mt. height along the periphery of the each sector • Provision of ear plugs for construction labour and staff during high noise • Use of well maintained & relatively newer equipments to mitigate noise generation • Use of DG sets with acoustic enclosures as per CPCB guidelines • No noise polluting work in night shifts • Acoustic enclosure for DG set	No
		Operation	• Around 4275 parking spaces are already provided on site • Use of CPCB approved DG sets • RG area of 15658.70 Sq. mt. on ground and 35962.40 Sq. mt. on podium is already developed on site • Plantation of 2785 nos. of trees of various varieties is already done on site	No
	Demolition dust	Prior to Construction	Small temporary patra shed (550 Sq. ft.) was demolished prior to start of construction in sector 12 and reused in fencing of the plot	No
Water	Incremental sewage increase	Construction	Disposal of sewage into Municipal sewer line only	No

		Operation	Untreated sewage from buildings in all sectors except R12 is directly being disposed to sewer line. No provision of STPs for other sector except R12	Yes but disposal of sewage generated from other sectors to sewer line, which is further connected to Terminal Treatment Facility of M.C.G.M.
			Treatment of sewage (935 KLD) generated from Sector R12 into existing Sewage Treatment Plant of capacity 950 KL which will be augmented by 600 KL in future to cater the entire load of sewage	
			Reuse of treated sewage for flushing (360 KLD) and gardening (151 KLD). Disposal of excess treated sewage into sewer line	

DECISION OF SEAC

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA for further needful subject to conditions that

Specific Conditions by SEAC:

1) As per MoEF & CC notification dated 14/3/2017 & OM dated 15/3/2018 & 16/3/2018 regarding violation, the damage assessment value is arrived at Rs. 13,48,00,000. PP to comply with SEIAA decision regarding activities to be carried out for Environmental restoration programme. The PP in consultation with Municipal Corporation of Greater Mumbai authorities has towards EMP submitted proposal of development of Garden/ Miyawaki Forest and allied public civil works in Chandivali and nearby areas from remediation cost to which Municipal Corporation has also agreed to. Therefore taking overall view, the PP may be suggested that the remediation cost may be utilized by him in consultation with municipal corporation towards (a) social forestry/ miyawaki forest/ garden development in municipal lands/public spaces to the extent of about 60%; (b) laying of sewer line/mains along municipal roads to the extent of about 20%; (c) laying/ augmentation of storm water drainage network along municipal roads to the extent of about 20%.
2) PP to ensure that wet well of the proposed STP should be higher than inlet level of sewer network of local body.
3) As agreed, PP to provide STP for waste water treatment for R-2 & R-18 in addition to STP for sector R-12, PP to upload undertaking regarding this.
4) PP to submit CER as applicable as per MOEF & CC circular dated 1.5.2018 in consultation with Municipal Corporation.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for Environmental Clearence for Proposed Expansion in Residential cum Commercial project On plot bearing S. No. 20/1, 20/2/B/1, 20/2/B/2, 21/9, 21/11A, 22/1, 22/5, 23/2/1, 23/3/1, 23/4 Village – Vadavali, Thane (W), Tal. & Dist. – Thane by Sai Pushp Enterprises

Is a Violation Case: No

1.Name of Project	Sai Pushp Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Ameeta Ambekar , Sai Pushp Enterprises Address: Puraniks One, KanchanPushp, Ghodbunder Road, Kavesar, Thane West - 400615
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	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We have Received the EC wide letter No. F. No./21-62/2014.IA.III dated. 18th June, 2015 for the plot area 17,800 m2 having FSI 31,711.09 m2 & the Total Construction area 77,351.70 m2. As per EC received we have started the construction. Now, we have proposed to amalgamate said plot with the adjacent plot of 6,820 m2. After Expansion the total plot area is 24,620.00 m2 & total construction area is 116398.75 m2.
8.Location of the project	On plot bearing S. No.: S. No. 20/1, 20/2/B/1, 20/2/B/2, 21/9, 21/11A, 22/1, 22/5, 23/2/1, 23/3/1, 23/4 at village Vadavali, Thane (W), Tal. & Dist. – Thane
9.Taluka	Thane
10.Village	Vadavali
Correspondence Name:	Ameeta Ambekar, Sai Pushp Enterprises
Room Number:	-
Floor:	-
Building Name:	Puraniks One, KanchanPushp
Road/Street Name:	Ghodbunder Road, Kavesar
Locality:	-
City:	Thane West - 400615
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: For Tokyo Bay I: Obtained Permission/CC from TMC vide letter no. TMC/TDD/2538/18 dated 12-3-2018 (VP SO6/0235/16) For Tokyo Bay II: Obtained Permission from TMC vide letter no. TMC/TD-DP/TPS/1725/16 dated 17-3-2016 (VP SO6/0230/16)
	Approved Built-up Area: 69390.08
13.Note on the initiated work (If applicable)	Work completed till today is 20370.54 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	24,620.00 m2
16.Deductions	3382.65 m2
17.Net Plot area	19949.83 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 52691.41 m2
	b) Non FSI area (sq. m.): 63707.34 m2
	c) Total BUA area (sq. m.): 116398.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** TB1: 18171.47 m2, TB2: 51218.61 m2
	Approved Non FSI area (sq. m.): TB1: 8249.82 m2, TB2: 15732.55 m2
	Date of Approval: 12-03-2018
19.Total ground coverage (m2)	14179.49 m2

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.59 %
21.Estimated cost of the project	3750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tokyo Bay 1 (Wing A)	Gr+ Upper Stilt+16th Upper Floors	56.65
2	Tokyo Bay 1 (Wing B)	LG1+LG2+Upper Stilt + 16th Floor	56.65
3	Tokyo Bay 2 (Building No 1)	LG1+LG+Gr+1st TO 35th Floor	116.65
4	Tokyo Bay 2 (Building No 2)	LG1+LG+Gr+1st TO 35th Floor	116.65
5	Tokyo Bay 2 (Building No 3)	LG1+LG+Gr+1st TO 35th Floor	116.65
6	Tokyo Bay 2 (Building No 4)	LG1+LG+Gr+1st TO 43rd Floor	139.85

23.Number of tenants and shops	No of tenants: 1095 Nos. Commercial Area: 372.1
24.Number of expected residents / users	4983 Nos.
25.Tenant density per hectare	445/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)	Project Site is accessible by 40 m wide & 20 m wide DP Roads.
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	Nil
30.Details of the demolition with disposal (If applicable)	Not required

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	446
	Recycled water - Flushing (CMD):	223
	Recycled water - Gardening (CMD):	28
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	669
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	367
Wet season:	**Source of water**	TMC+RWH
	Fresh water (CMD):	403
	Recycled water - Flushing (CMD):	223
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	669
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	395
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:**	Ground water table at depth of 3 to 4m
	Size and no of RWH tank(s) and Quantity:	90 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	21 lacs
	Budgetary allocation (O & M cost) :	1.0 Lacs/Year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the plot is towards South-West side
	Quantity of storm water:	The storm water generation 0.72 m3/s
	Size of SWD:	650 mm x 650 mm wide internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	Sewage Generation:- 625 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	STP 1:- 100 KLD, STP 2:- 400 KLD, STP 3:- 180 KLD
	Location & area of the STP:	Underground Total Area of STP: 545 m2
	Budgetary allocation (Capital cost):	Rs143 Lakh
	Budgetary allocation (O & M cost):	Rs.27 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 3380 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	992 kg/day
	Wet waste:	1488 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	6 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be 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):**	On ground
	Area for the storage of waste & other material:	110 m2
	Area for machinery:	55 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60 Lakh
	O & M cost:	Rs. 24 Lakh/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
42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	Total RG Required: 4987.46 m2 Total RG Proposed: 5560.67 m2
	No of trees to be cut :	Existing trees on site: 16 Nos. Trees to be cut/transplanted: 16Nos.
	Number of trees to be planted :	371 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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	ERYTHRINA INDICA	Pangara	22	As medicinal value, Bird and insect attractive.
2	ARECA CATECHU	areca palm	265	Reaching 60 feet (20 meter) tall; trunk diameter is 8 - 12 inch (20 – 30 cm). Trunk: solitary, slender and erect.
3	BAUHINIA PURPUREA	Apta	56	Small tree with small white flowers, Butterfly host plant
4	FILICIUM DECIPIENS	Fern Tree	24	Fern Tree is a medium-sized tree, native to the Western Ghats. Leaves are pinnate, leaflets 6-8 pair, smooth, shining, opposite or some alternate, stalkless, linear oblong, 4-6 inches long, with a prominent midrib
5	PUTRANGIA ROXBURGHI	Lucky Bean Tree	4	It has pendant branches and dark grey bark having horizontal lenticels. Leaves are simple, alternately arranged, dark green, shiny, elliptic-oblong, distantly serrated.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	250 kVA
	During Operation phase (Connected load):	4687 KW
	During Operation phase (Demand load):	3189 KW
	Transformer:	4 X 1000 kVA, 2 X 630 kVA
	DG set as Power back-up during operation phase:	1 X 125 kVA, 1 X 200 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NIL

48.Energy saving by non-conventional method:

Solar PV Hot water to Residential Buildings, Solar Street lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Energy efficient lighting fixtures (LED lights) to buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Natural shading through elevation features of chajjas to minimize heat gain and reduce air-conditioning requirement	>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.34 Lakh
	O & M cost:	Rs. 1.7 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	4
2	Site sanitation Facility and its maintenance	-	3

3	Potable Water Supply to Labour	-	3
4	Solid waste management	-	4
5	Disinfection	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	4
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2
8	Safety nets	-	5
9	Safety Training to Workers (Twice in Year), Safety Officer	-	5
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	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)	-	143	27
2	Solar System	-	34	1.7
3	Rainwater harvesting	-	21	1
4	Solid Waste Composting plant	-	60	24
5	Landscape	-	56	6
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

	Nos. of the junction to the main road & design of confluence:	Project Site is accessible by 40 m wide & 20 m wide DP Roads.
Parking details:	**Number and area of basement:**	No Basement
	Number and area of podia:	Total 3 No's of Podium in each building with the total area of 33011.16 m2
	Total Parking area:	Total Parking Area: 33011.16 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	2 W Required: 1114 Nos 2 W Proposed: 1115 Nos
	Number of 4-Wheelers as approved by competent authority:	4W Required: 810 Nos 4W Proposed: 1099 Nos
	Public Transport:	-
	Width of all Internal roads (m):	6.00 Wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - Approx 500 m from the Proposed Project Site
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Ketan Tamhane was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engineers Pvt. Ltd.

PP informed that, the project under consideration is expansion *housing project. PP further stated that, t*he total plot area of the project is 24,620.00 Sq.mt. having total construction area 116398.75 Sq.mt. (FSI - 52691.41 sq.mt + NON FSI- 52691.41 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Tokyo Bay 1 (Wing A)	Gr+ Upper Stilt+16th Upper Floors	56.65
Tokyo Bay 1 (Wing B)	LG1+LG2+Upper Stilt + 16th Floor	56.65
Tokyo Bay 2 (Building No 1)	LG1+LG+Gr+1st TO 35th Floor	116.65
Tokyo Bay 2 (Building No 2)	LG1+LG+Gr+1st TO 35th Floor	116.65
Tokyo Bay 2 (Building No 3)	LG1+LG+Gr+1st TO 35th Floor	116.65
Tokyo Bay 2 (Building No 4)	LG1+LG+Gr+1st TO 43rd Floor	139.85

It is noted that, Project has received Environmental clearance vide letter dated 18th June, 2015.

It is noted that the project earlier considered in 96th SEAC-2 Meeting held on 15-04-2019 & deferred with observations namely 1) in PPT the construction carried out on plot which have earlier EC was mentioned as 13,871.25 Sq.mt. while in CS it is mentioned as 20370.54 Sq.mt. PP to submit the explanation along with detailed architect certificate. 2) to submit the letter from local planning authority regarding the actual full potential of plot having survey no 20/1,20/2/B/1,20/2/B/2 at the time when construction initiated. 3) to submit detail of ownership of amalgamated plot with chronology. Accordingly, PP submitted the compliance which was taken on record.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

In view of above, the proposal is deferred and shall be apprise afresh only after the compliance of below observations.

Specific Conditions by SEAC:

1) The PP to inform/ submit whether he has applied for amalgamation of plots. If yes with what result and whether the planning authority has approved the plan on total area for which EC is being sought.

FINAL RECOMMENDATION

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

Agenda of 106th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 106 **Meeting Date** July 19, 2019

Subject: Environment Clearance for 'TCS Banyan Park' - Phase 1 of IT Park

Is a Violation Case: No

1.Name of Project	TCS Banyan Park - Phase 1 of IT Park
2.Type of institution	Green Building
3.Name of Project Proponent	Tata Consultancy Services Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial Estate, with all building being LEED Gold Certified
6.New project/expansion in existing project/modernization/diversification in existing project	Proposal is for ex-postfacto environment clearance for Phase 1 with existing structures Block A,C & J, B,D,E,L & M, K (Basement to A & B), Canopy & Bridge.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	in this regard Member Secretary, MPCB letter No BO/RO(P&P)/ TB-686 dtd 23 Jan 2006 is relevant
8.Location of the project	Plot bearing C.T.S. Nos. 221, 228, 234 & 235 of village Gundavali, Suren Road, Andheri (East), Mumbai.
9.Taluka	Andheri
10.Village	Gundavali
Correspondence Name:	Mr.T. Prafullachandran (Corporate Head, Administration), Location Head - Banyan Park (Coordinator)
Room Number:	-
Floor:	-
Building Name:	TCS House
Road/Street Name:	Raveline Street
Locality:	Fort
City:	Mumbai - 400001
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD No. E.B/CE/8748/WS/AK of 2006.
	IOD/IOA/Concession/Plan Approval Number: IOD No. EB/CE/8748/WS/AK of 2006. Initial plan approval ref No CE/1767/WS/LOKEN dtd 1st Mar 2006. Amended plan approved on 24th July 2009
	Approved Built-up Area: 60603.34
13.Note on the initiated work (If applicable)	9 Structures Block A,C & J, B,D,E,L & M, K (basement to A & B), Canopy & Bridge are constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	90,122.50 sqm
16.Deductions	13,072.67 sqm
17.Net Plot area	77,049.86 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 40,603.34
	b) Non FSI area (sq. m.): 20,000
	c) Total BUA area (sq. m.): 60603
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 40,603.34
	Approved Non FSI area (sq. m.): 20,000
	Date of Approval: 02-05-2006
19.Total ground coverage (m2)	13087
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17%
21.Estimated cost of the project	3207400000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A	Ground floor + 2 upper floors	14.2
2	Block B	Ground floor + 2 upper floors	14.2
3	Block C & J	Ground floor + 2 upper floors	14.2
4	Block D	Ground floor + 2 upper floors	14.2
5	Block E	Ground floor + 2 upper floors	14.2
6	Block E	Ground floor + 2 upper floors	14.2
7	Block L	Ground floor +1 Basement	11.87 , basement at -12
8	Block M	Ground floor	3.4
9	Basement K Block (Basement below Block A & B)	Basement level 1 +Basement level 2	-7
10	Canopy	Canopy at height of first floor	5.6
11	Bridge	Bridge at height of first floor	9

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	2500
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)	18.30 M DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 M
29.Existing structure (s) if any	9 structures (Block A,C & J,B,D,E,L & M, K (basement to A & B) ,Canopy and bridge) are constructed
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM -119 m3/day, STP -120 m3/day & Borewell -295 m3/day
	Fresh water (CMD):	119 MCGM
	Recycled water - Flushing (CMD):	60 m3/day from Borewell
	Recycled water - Gardening (CMD):	175 m3 from borewell
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	534
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	120 m3 /day from STP & 60 m3 /day from borewell for cooling tower
Wet season:	**Source of water**	MCGM -119 m3/day, STP -120 m3/day & Borewell -120 m3/day
	Fresh water (CMD):	119 MCGM
	Recycled water - Flushing (CMD):	60 m3/day from Borewell
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	359
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	120 m3 /day from STP & 60 m3 /day from borewell for cooling tower
Details of Swimming pool (If any)	Swimming Pool water capacity is 720 Cum and plant is in shut down condition since date of commission.	

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:**	3.5 mts
	Size and no of RWH tank(s) and Quantity:	2 nos. (1 of 50 cum and 1 of 7.5 cum)
	Location of the RWH tank(s):	Block L and near tennis court.
	Quantity of recharge pits:	16 recharge pits are available
	Size of recharge pits :	2.5m x 2.5m x 3.5m
	Budgetary allocation (Capital cost) :	34.89 lacs
	Budgetary allocation (O & M cost) :	6 lacs per annum
	Details of UGT tanks if any :	2 lacs ltrs - 2 Nos for BMC water storage 7.5 KL -1 No for RWH at tennis court 3 KL - 1 No for Gundavali Water Body 3 KL - 1 No for Courtyard Water Body We have below mentioned tanks in Basement at L block - 75 KL x 2 Nos as Fire Tank 50 KL x 2 Nos as Domestic Raw Water Tank 50 KL x 2 Nos as Domestic Treated Water Tank 50 KL x 2 Nos as HVAC Tank 50 KL x 3 Nos as Borewell Water Tank 50 KL x 1 No as Irrigation / RWH Water Tank
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drain pattern is maintained.
	Quantity of storm water:	1300 cum/ day
	Size of SWD:	600 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	Currently 76 cmd generated and having plant capacity of 128 cmd
	STP technology:	SAFF
	Capacity of STP (CMD):	1 STP of 130 cmd
	Location & area of the STP:	Utility Block L
	Budgetary allocation (Capital cost):	INR 2000000
	Budgetary allocation (O & M cost):	INR 216000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris generated was disposed off to MCGM approved land filling sites
	Disposal of the construction waste debris:	Debris generated was disposed off to MCGM approved land filling sites
Waste generation in the operation Phase:	**Dry waste:**	165 kg/ day
	Wet waste:	135 kg/ day
	Hazardous waste:	Used lube oil appx 350 ltrs per year,
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	STP sludge not generated as sewage input is very less & water quality is high. In case dry sludge gets generated it will be passed through press to form cake & cube utilised for gardening purpose.
	Others if any:	Battery waste generated appx 15 874 kg once in four year, Non biodegradable waste appx 1.6 kg per day including e waste, plastic etc

Mode of Disposal of waste:	**Dry waste:**	Composted on site through composting pits, vermicomposting bags, organic waste converter with tray & non biodegradable waste is handed over to authorized recycler.
	Wet waste:	Composted on site through Biomethanization plant & Organic waste converter
	Hazardous waste:	Disposed off through CPCB/ MPCB authorized vendors
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	If generated it will be passed through installed filter press , to form cakes & cubes and utilized for gardening purpose.
	Others if any:	Batteries & ewaste Disposed off through CPCB /MPCB authorized vendors only
Area requirement:	**Location(s):**	Near tennis court
	Area for the storage of waste & other material:	1300 sq ft for dry waste segregation, 2500 sq ft for horticultural waste & 5000 sq ft for e waste & general scrap
	Area for machinery:	60 sq mtrs (Biomethanization plant, Organic Waste converter , vermicomposting pits)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	24.54 lacs
	O & M cost:	5.45 lacs per 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	Used Lube oil	5.1	lts	350 ltrs	Not applicable	350	CPCB authorised vendor

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	5 nos. attached to DG sets	HSD of 150 lit	5	15.35 m, 15.35 m, 15.35 m, 10.36 m, 5 m	0.254 m, 0.254 m, 0.254 m, 0.22 m , 0.1 m	150 0C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	HSD fuel tank capacity of 990 ltrs for 4 nos and 100 ltrs for 40 kva DG	0	4060 lit
41.Source of Fuel		Public Petrol Pump Andheri East		
42.Mode of Transportation of fuel to site		In barrels of 200 lit in approved vehicles on hire		

43.Green Belt Development	**Total RG area :**	2111.88 sqm. Total landscape area is appx 14 acres
	No of trees to be cut :	190 trees cut
	Number of trees to be planted :	380 trees are planted
	List of proposed native trees :	Refer enclosed tree list
	Timeline for completion of plantation :	Plantation done

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	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list
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	Refer enclosed tree list	Refer enclosed tree list	Refer enclosed tree list

47.Energy

Power requirement:	**Source of power supply :**	Tata Power and Reliance Power
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	3713 KW (Tata Power) +400 KW (Reliance Infrastructure)
	During Operation phase (Demand load):	3.4 MVA
	Transformer:	1250 KVA x 3 nos
	DG set as Power back-up during operation phase:	3 x 1010 kva + 1 x 600 kva + 1 x 40 kva DG sets are installed
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Using LED/CFL lights and energy efficient fixtures and
Use of motion detection sensors
Using energy efficient motors & group control facility for lifts
Using ISI rating motors with 60% efficiency water pumps
Using ISI rating motors with 75% efficiency motors
Energy metering system for internal and external lighting
Creation of Remote Energy Monitoring center and use of analytics
Use of automatic sprinkler system for garden area

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	10%	6,00,000, kwh units per year

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Biodegradable Dry & Wet waste	Biomethanation plant & Organic waste converter	Already installed
Horticulture waste	Vermicomposting	Already installed
Sewage Generation	Sewage treatment plant	Already installed
Solid Waste (Non biodegradable)	Waste segregation area	Already provided
Sewage Generation	STP	Already installed
Air emission from DG Set	Provision of DG stack & stack monitoring	Already installed

Noise from DG set	DG acoustic enclosure provided	Already installed

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.1 crs (LED Lamps, VFD installation in AHU, Auto motion & installation of Roof top solar plant, CO2 sensor & fresh air damper)
	O & M cost:	14 lacs

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	Sewage treatment plant	SAFF	20 lacs	2.16 lacs
2	Solid waste management	Biomethanization, OWC, Vermicomposting pits	24.54 lacs	5.45 lacs
3	Rain water harvesting System	RWH & Recharge pits	34.89 lacs	6 lacs
4	Landscaping	14 acres	204 lacs	50 lacs
5	Energy Saving Features	Measures as per MOEF notification dated 9th Dec 2016 & ECBC 2016 guidelines	210 lacs	14 lacs
6	Environmental Monitoring	DG state, Air quality, noise	0	0.6 lacs

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:	2 nos., Code of practice. Traffic calming measures suggested by institute of Urban Transport Planning are implemented as per MOEF circular dtd 09 Dec 2016

Parking details:	**Number and area of basement:**	2 nos. 1,32,935 sqft in K block, 31,624 sqft in L block
	Number and area of podia:	Not applicable
	Total Parking area:	1,32,935 sqft
	Area per car:	121 sqft
	Area per car:	121 sqft
	Number of 2-Wheelers as approved by competent authority:	150
	Number of 4-Wheelers as approved by competent authority:	385
	Public Transport:	Not applicable
	Width of all Internal roads (m):	internal drive way of minimum width of 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	At apprx 10.2 km from Sanjay Gandhi National Park
	Category as per schedule of EIA Notification sheet	Category B : 7(c) to be read in conjunction with 8 (a)
	Court cases pending if any	Please refer point v)
	Other Relevant Informations	Aggrieved by the Direction issued by the Member Secretary, SEAC dtd 16th Jan 2017, appeal No. 8/2017 was filed by TCS before the NGT Western Zone Bench Pune The Hon'ble Tribunal by its order in the said Appeal on 28.11.2017, directed us to approach MoEF for post facto approval of the project. TCS filed it's online application for Ex Post Facto Environment Clearance for Phase 1 under Sl. No. 7 (c) of the Schedule to the Ministry of Environment, New Delhi and in reply to our above mentioned application, The Member Secretary, Expert Appraisal Committee, (Infra 2), Ministry of Environment, New Delhi, vide online Essential Detail Sought dated 01.02.2018 directed TCS to refile the application before the State Expert Appraisal Committee II (SEAC II), Maharashtra. TCS responded to online Essential Detail Sought dated 01.02.2018 to the Ministry of Environment and Forest, New Delhi vide its letter dated 08.03.2018_requesting The Member Secretary, Expert Appraisal Committee, Ministry of Environment and Forest, New Delhi to process the TCS application for grant ex post facto Environment Clearance to the Phase-I of the IT Park at Andheri (W), Mumbai as directed by the NGT. As TCS did not receive any response to its letter dated 08.03.2018 from The Member Secretary, TCS filed an Execution Application No. 27 or 2018 in Appeal No. 8 of 2017 [WZ] before the NGT inter alia, for the execution of the judgment dated 28.11.2017 passed by the NGT and seeking appropriate directions upon the Ministry of Environment and Forest, New Delhi. The Execution Application was heard by the NGT on 12.04.2018. The matter comes up for hearing on 03.05.2018. This application is filed without prejudice to our rights.

	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	28-12-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr.T. Prafullachandran was present during the meeting along with environmental consultant M/S Aditya Environmental Services Pvt. Ltd.

PP informed that, the project under consideration is IT Park. The total plot area of the project is 90,122.50 Sq. mt. having total construction area 60603 Sq. mt. (FSI - 40,603.34 Sq. mt.+ NON FSI- 20,000 Sq. mt.).

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018.

PP informed that, the **Nature of Violation is as follow-**

1. 9 Structures Block A,C & J, B,D,E,L & M, K (basement to A & B), Canopy & Bridge are constructed comprising total built up 76911.47 Sq.mt. without any prior EC.

PP stated that, vide letter dated 02 Nov 2005 they have approached MPCB for clearance certificate under IT Policy. In response to this the letter dated 23rd January, 2006 received from then Member Secretary MPCB stating that No Environmental Clearance required for the Project. Accordingly layout approval &IOD received from local planning authority for full Project Banyan Park consisting of 10 Blocks (A, B, C , D, E, F, G, H, J, L and basement to A, B and F) with built up area of 60613.12 sqmt. PP further stated that Part OC received in 14/9/2011 & 3/12/2012 and they have applied for EC for Phase II (subsequent development) in 31/12/2013. PP informed that, the project (Phase II) was considered in 34th Meeting of SEAC 2 held on 20/7/2015 and decided to refer it to SEIAA for action on alleged violation. Thereafter on 16/1/2017 Directions issued by then ACS, Environment Department to stop work of Phase I till TCS obtains the EC.

PP further stated that, TCS appealed against the Directions of Member Secretary SEIAA to Hon. NGT through Appeal No 08/2017 in 29/3/2017. PP further stated that, Hon.NGT stayed the Directions of Member Secretary, SEIAA and directed MoEF to consider proposal to grant of Ex Post facto EC to Phase I of the Project after receipt of application from TCS and stayed the prosecution vide order dated 28/11/2017. PP filed online application on MoEF & CC portal for EC in 28/12/2017. Remarks in February, 2018 received from MoEF & CC portal directed TCS to withdraw application and file application before SEAC. PP stated that, they have filed Execution Application No 27 of 2018 in 11 March 2018 for enforcement of Hon.NGT order. Further to this, Hon.NGT directed TCS vide order dated 06 Aug 2018 to refile the application and MoEF & CC to dispose off the application by a speaking order within two weeks of filing of the fresh application. MoEF & CC vide its order dated 19/12/2018directed PP to approach SEAC.

PP further stated that, they have applied to SEAC in 28/12/2017 & online application was submitted on 12/4/2018.

Committee noted the chronology of the events related to the project. It is noted that Environment Department under EP Act, 1986 has initiated process of prosecution for violation of EIA Notification, 2006 (Amended form time to time). Criminal case has been launched with vide case no 178/SW/2017 in the court of Metropolitan Magistrate, Andheri. But this prosecution is stayed by Hon.NGT by its order 28/11/2017.

The case was previously considered in 84th SEAC-2 Meeting held on 07-01-2019 & decided to refer the matter to SEIAA for further decision. Accordingly SEIAA considered the proposal in 154th Meeting of SEIAA held on 01-02-2019 & decided to refer back the proposal to SEAC-2 to consider it under MoEF&CC notification number S.O. 1030(E) dated 8th March 2018 in view of the Speaking Order dated 19 December, 2018 passed by the Ministry pursuant to the direction of Hon'ble NGT.

As agreed by PP, the proposal was treated under MoEF&CC notification dated 14th March 2017 & 8th March 2018.**Accordingly, ToR & additional ToR** as per the format suggested by SEIAA vide letter dated 30.01.2019 was approved IN 87th seac-2 meeting held on 7/2/2019. The proposal previously considered in 90th, 100th & 104th SEAC-2 meeting held on 27/2/2019, 20/5/2019 & 27/6/2019 respectively & was deferred as PP requested for some more time to submit one more report regarding installation of Public toilet adjoining to bus stop which is nearer to their project site. Accordingly, PP submitted the Compliance & EIA, which was taken on record. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting as-

1. **Project details**

1	Name and address of Project	**Project Name**: TCS Banyan Park (Phase 1) **Project Proponent**: Tata Consultancy Services Ltd. **Site Address**: Plot bearing CTS Nos. 221, 228, 234 & 235 of Village Gundavali, Suren Road, Andheri (East), Mumbai
2	Name of Directors	The list of directors of Tata Consultancy Services Ltd. as on 28th December 2018 is enclosed as **Annexure-1**.
3	Total construction completed (built-up area as per EC notification) (FSI + Non-FSI)	76911.47 sq. m. (already completed) = 61110.26 sq. m. (FSI) + 15801.21 sq. m. (Non-FSI)
4	Total construction proposed, built-up area as per EC notification (FSI+ Non FSI)	Total built-up area (already completed) = 76911.47 sq. m. (i.e. 61110.26 sq. m. (FSI) + 15801.21 sq. m. (Non- FSI))
5	Whether the project has any EC; if yes, give details including approved built up area. (FSI+ Non FSI).	No, the Project does not have Environmental Clearance.
6	Total cost of the project and total cost of the project already executed? Also, give total cost of the project constructed without EC.	Total Cost of the project = Land Cost + Construction Cost = Rs. 3586.95 Lakh + Rs. 31534.12 Lakh = Rs. 35,121.07 Lakh = Rs. 351.21 Crore
7	Date of commencement of Project	IOD for the project was granted by MCGM vide letter dated 2nd May 2006 and construction Commencement Certificate was granted vide letter dated 14th March 2007. Therefore, the date of commencement of project is considered as 14th March 2007.

8	Date of violation of EC regulation (please justify with documentary evidence)	14th March 2007 (date of construction Commencement Certificate issued by MCGM) (SEIAA has asked this case to be considered under amendment to EIA Notification dt. 14th March 2017, hence for the purpose of this application 14th March 2007 (date of construction commencement certificate issued by MCGM) has been given in reply to this item.
9	Date of first submission of information of such violation to the SEIAA or SEAC, if self- notified, along with stoppage of construction work	2nd December 2015 (all construction work at site is stopped since then)
	1. No. of days of violation (9-8)	No. of days the project activities continued is 3186 days (8 years, 8 months, 19 days) i.e. from 14th March 2007 to 2nd December 2015
10	Name and address of Environmental consultant, with date of engagement of such consultant	**Name**: Aditya Environmental Services Pvt. Ltd., **Address**: 107, Hiren Light Industrial Estate, Mogul Lane, Mahim, Mumbai 400016 **Date of engagement of consultant**: 26th November 2018
11	Any other case of EC violation is reported or pending or decided earlier for projects where any of the directors are involved? If yes, give details	No. Not applicable.
12	Any court case related to EC violation pending or decided against any of the directors including High Court, NGT and Sessions court?	Appeal No. 08/2017 before NGT and subsequent applications all decided by NGT. - Misc. Case No. 178/SW/2017 before the Metropolitan Magistrate at Andheri filed by MPCB based on ACS's order dated 16/1/2017

2. **Attributes for environmental damages: The PP and consultant needs to describe the details of each attributes in qualitative and quantitative manner including:**

1. **Air pollution:**

1. **Construction Dust**

1. **Qualitative**

To prevent increase in suspended dust particles, following measures were taken during construction phase:

- Barricading was done around the construction site.
- Wheel washing of vehicles was carried out before they move out of site and trucks carrying construction materials were covered during transport.
- Regular water sprinkling was carried out throughout the construction period at construction site and approach road.
- The debris were transported to designated Municipal dumping site under proper challan to the BMC as per IOD condition 34 (Before Starting Work and Condition 4 of Conditions to be complied before Further CC) in the IOD.
- Approval of the Collector for Excavation and the approval of the MCGM K East ward for the Debris Management Plan was taken at the time of movement of debris and excavated earth.
- All the measures as per IOD Conditions were implemented in full during construction.

2. **Quantitative**

The reports of ambient air quality monitoring and DG stack monitoring during construction phase submitted (are enclosed as **Annexure-2)**.

2. **Noise:**

Construction Phase:

To prevent the increase in noise levels during construction phase, following measures were implemented:

- The work was undertaken only during the permitted hours.
- A temporary Tata Power connection was taken for the duration of construction. This ensured no noise from Diesel generators.
- HP Power tools and equipment were provided with acoustic enclosure.

Operation Phase:

To prevent the increase in noise levels during operation phase, following measures are taken:

- Smooth flow of traffic is ensured on the internal roads to avoid idling of vehicles.
- DG sets are provided with acoustic enclosures meeting norms of EP Act.

3. **Demolition Dust:**

Qualitative

To suppress the demolition dust generation during construction phase, following measures were taken:

- A 12 feet high fencing of corrugated GI sheet was erected around the building under demolition.
- Water point was provided to contractors to ensure spraying of water as required on the site to prevent dust pollution.
- Trucks taking out debris were covered with tarpaulin.
- A proper road was created up to the buildings to ensure minimum dust and the truck safety.
- All the measures prescribed the municipal authorities were implemented including all the measured mentioned above.

Quantitative

The Summary of reports of ambient air quality monitoring during construction phase from year 2007 to 2018 are enclosed as **Annexure-2**.

2. **Water:**

1. **Incremental sewage increase:**

Construction Phase:

During construction phase, the sewage was mainly generated from labour colony. The sewage generation during construction phase was 31.7 cmd (11.7 cmd from residential workers + 20 cmd from floating population of workers). Provision of septic tanks and soak pits were made in labour colony and the septic tanks were vacuum-cleaned regularly.

Operation Phase:

The sewage generation during operation phase of Phase 1 is 128 cmd. STP of 130 cmd capacity is provided for sewage treatment facility with Primary- Secondary and Tertiary treatment. Entire quantity of treated water available from STP is reused within the project site for secondary purposes like HVAC cooling and gardening. This is a project with Zero Liquid Discharge.

2. Extra water pumped from foundations:

The excavation work for foundation was continued for 40 days. During that period, 220 kL/day

i.e. total 8800 kL water was pumped from foundations. The details of the same are covered in the section 'Assessment of Environmental Damages'.

3. Soil:

1. Excess foundation excavation:

During construction of Phase 1, the quantity of excavated soil from the foundation work is 159548 cum.

2. Excess ground footprint:

Total ground footprint of the construction of Phase 1 is 22096.69 sq. m. i.e. 24.51% ground coverage with respect to total plot area.

4. Noise:

Extra time required for construction

For construction of Phase 1, IOD was obtained from MCGM vide letter dated 2nd May 2006 and construction commencement certificate was obtained vide letter dated 14th March 2007. The construction completion date is 2nd December 2015. Hence, the duration of construction is considered from 14th March 2007 to 2nd December 2015 i.e. 3186 days (8 years, 8 months, 19 days). Necessary noise pollution control measures were taken during this construction period.

5. Loss of vegetation:

Additional trees cut (type, age and number of trees with its significance).

For construction of Phase 1, total 199 nos. of trees coming in the building footprint were cut, after taking due permission from MCGM Tree Authority.

6. Transport and Material Handling:

Construction Phase:

- The transportation of construction materials was done during the designated working hours as per the guidelines and permitted by local authorities.
- The construction materials brought at site were separately stored / stacked and guarded as per the type of the materials.

The details of the materials used for construction of Phase 1 and the distance travelled by trucks for their supply to the project site are placed at **Sr. No. C (B)(3)** in format below.

Operational Phase:

- The data pertaining to vehicles entering the premises during the construction phase is enclosed as **Sr. No. C (B)(3)** in format below.
- Traffic flow to and within the site are maintained so that there are no obstructions to existing traffic flow on access roads.
- The entry / exit to the site is with adequate curvature at kerbs so that vehicles coming out/ entering the site do not impinge on road traffic directly.
- Electric vehicles are available for movement within the premises.

3. **Description of activities contributing to the environmental damage and degradation**

Sr. No.	Item	Description
A.	**Demolition, site preparation**	
1	Whether any demolition work was carried out prior to EC? If yes what is date of commencement of demolition and also date of completion of demolition?	Demolition work was carried out from January to July 2005.
2	Whether such demolition or site had some asbestos, industrial waste or contaminated soil or hazardous waste etc. and if yes, how these types of waste have been segregated and disposed?	No asbestos, industrial waste or contaminated soil or hazardous waste was generated during the demolition phase. Other items of the debris were segregated and disposed of through authorized scrap dealers.
3	If the project is located on any industrial site, whether any due diligence or environmental status of site was assessed? If yes, give details	• The project land is in Industrial Zone (I-2, I-3). • Tree Census was carried out on 20.12.2005. • Dr. Andheria (PhD, Biologist and Scientist, President-Wildlife Conservation Trust, Member- State Board of Wildlife, Maharashtra & Madhya Pradesh) had prepared a Site Biodiversity Report in 2005. -? Hydrological Study was carried out by Dr. B. B. Sharma (BSc (Hon) (Geo.Sc.) (IIT KGP), DIIP PhD (IIT Bombay), Member-Seg NWWA (USA), EAEG (Netherlands), AEG (India), AAIITB approved Hydro-geophysicist).
4	State the quantity of demolition waste disposed from the site, including quantity and disposal location along with location map and photographs	Approval for demolition of existing structures was obtained from the Additional Collector vide letter no C/ULC/D.III/22 dated 3rdJanuary 2003. Approximately 500 trucks of demolition wastes were disposed of in accordance with the guidelines prescribed by the Municipal Authorities.

5	Any air quality (including noise) monitoring done during Demolition work? If yes, results	No. Air quality monitoring was not carried out during demolition. However, protective measures were taken to prevent air pollution such as barricading, water sprinkling etc.
6	Whether building plan and layout approved and permission from local authorities is taken to commence the work prior to demolition work	No. The application for building plan and layout were submitted post the demolition work. No construction work was commenced before receipt of construction commencement certificate.
B.	**Construction Stage**	
1	Date of commencement of construction and completion of construction, if any	Date of commencement of construction: 14th March 2007 Date of completion of construction: 2nd December 2015
2	Whether the construction carried out is strictly as per the sanction plan given by concerned local authority? If yes, please provide such certification	Yes. Construction carried out is as per the sanctioned plans by MCGM and as per the IOD, CC and OC issued by MCGM.
3	In the additional construction, how much construction material including, sand, bricks, cement etc. was required to be transported? No. of trucks and its average haulage?	The construction for Phase 1 has been carried out strictly as per sanctioned plans and in conformity with approvals from various agencies. The details of the construction materials transport are provided below:

No.	Building Material	Supplier	Quantity (weight in tonnes)	Mode of Transport (Plant to Site)	Travel Length (km)
1	Steel	Carl F. International	3570	Truck	2142
2	Cement	Ambuja Cement, Junagarh	16172	Truck	301881
3	Tiles	Basant Floorings Pvt Ltd, Hubli	195	Truck	1169
4	Glass	GSC Glass, Navi Mumbai	42	Truck	84
5	AAC Blocks	Biltech Building Elements Limited, Thane	7076	Truck	70760
6	Aggregates	Local	68247	Truck	109195
7	Fly Ash	Nasik	447	Truck	4471
8	Gypsum Plaster	Boral Gypsum India Pvt. Ltd., Alwar	41348.36	Truck	3583525
9	Natural Stone	Ahmedabad	1221	Truck	44758
10	Aluminium	Bhoruka Aluminium Limited, Mysore	55	Truck	4767
11	Sand	Uran, Navi Mumbai	32344	Truck	107815
12	Wood	Byculla Mumbai	55	Truck	73

4	How many labours were engaged in construction, average per day?	About 100 resident and 500 floating workers every day during the construction period.
5	Whether, the additional construction work, over and above valid EC, if so available, has any additional ground footprint? If yes please state, ground footprint in sqm as per EC approved layout and current proposed layout?	The construction work of Phase 1 was entirely as per the MCGM approved plans dated 2nd May 2006. Total ground footprint of this construction is 22,096.69 sq. m. Apart from this, there is no additional construction work and no additional ground footprint created.

6	Whether the expansion was carried out simultaneously with EC approved work? If not give details of time frame? If yes, please give incremental additional time required for construction of additional area	The construction work of Phase 1 was entirely as per the approved plans by MCGM, and no work exceeding the approved plan was carried out. The time required for construction of Phase I was from 14th March 2007 date) to construction stop date 2nd December 2015. Hence, the duration of construction considered is 3186 days (8 years, 8 months, 19 days).
7	Is there any change in foundation design, i.e. depth of foundation, basement etc. that were done due to additional area? If yes, what is the additional soil quantity excavated for such Incremental foundation depth? Where it is disposed?	The construction work of Phase 1 was carried out as per the approved plans by MCGM, no work exceeding approved plan was carried out. Quantity of Soil Excavated – Approval was taken for excavating 3,13,843 cu. m. of soil for which a royalty of Rs. 48,94,417/- was paid to the Collector. 1,50,000 cum soil was back filled. The soil was stored within plot and reused for levelling and Green belt. Disposal of extra soil was in accordance with approvals of the MCGM / Collector MSD.
8	What is the quantity of topsoil Removed and how it is managed?	Topsoil removed was approximately 2356 sq. m. x 0.30 m = 706.80 cum It was deposited on Eastern side of the property and reused for landscaping.
9	Also, if water is encountered at such foundation depth, what is the volume of water pumped for such additional depth of excavation?	The excavation work for foundation was continued for 40 days. During that period, 220 kL/day i.e. total 8800 kL water was pumped from foundations.
10	How much additional water was required for curing and construction purpose? Source of water?	During the construction of Phase 1, water was required for curing and construction purpose, which was obtained from tanker water supply. (Total quantity = 60,252 cum).

11	Rainwater harvesting details	Rainwater harvesting and surface run-off harvesting was carried out on site. 13 recharge pits and one recharge well plus one rainwater harvesting tank of 7500 liters is provided.
12	Solar light, water heating details	Solar water heating system of 2000 LPD capacity is provided. This meets 90% of hot water requirement for site operation. 42 solar streetlights have been provided. Solar panels have been provided for power generation. 8% of connected load requirement is met from solar use.
13	Use of fly ash bricks ensured?	Yes, details as under:
	Details thereof	• 15% of the concrete volume • M40 - 100 kg per MT3 • M20 - 70 kg per MT3 • Fly ash contents in bricks: 40%
14	Whether any noise or air pollution control measures taken, if so what are they?	• Barricading of site • Sprinkling of water on unpaved areas on site • Wheel washing of vehicles carrying construction materials • Covering of vehicles carrying particulate construction materials • Covered storage of particulate construction materials • Construction during hours permitted by MCGM • Provision of acoustic enclosure for power tools / equipment
15	Whether any air quality and noise level monitoring done during construction stage, if yes attach results	Site was completely barricaded during the entire construction phase and there was minimum vehicle movement and minimum noise level. Air quality and noise level monitoring data is available from year 2007 to 2018 from MOEFCC recognized laboratory.
16	Whether any third-party rights are created on the construction without EC?	No. The entire site is under self-use, hence not applicable.
17	Whether any of the construction without EC has already been occupied? If yes, number of families given such occupation. Also give total commercial area being used presently. Also, state type of commercial activity i.e. offices, shops, hotels, restaurants etc.	Out of the total BUA of 76,911.47 sq. m., buildings with area 59,773.79 sq. m. (including FSI area:

	43,972.58 sq. m. + non-FSI area: 15,801.21 sq. m.) are occupied and used as IT Park (part OC granted by MCGM dt 14th Sept 2011 and part OC granted on 03rd Dec 2012). 17137.69 sq. m. of the balance area in Phase 1 which is not occupied as the OC was not granted by MCGM. Not applicable. 59,773.79 sq. m. (i.e. FSI area: 43,972.58 sq. m. + non- FSI area: 15,801.21 sq. m.) IT Park	
18	How many flats sold which are in the area of EC violation and total sale value of such flats	Not applicable as the use is non-residential.
19	How much commercial area sold which is in area of EC violation and total sale value of such commercial area.	Not Applicable. The site is under self-occupation and no area has been sold.
C	**Commissioning of project**	
1	Date of when the project was made operational either by giving possession of residential or commercial areas of the project?	Part OC for D Block and part A Block was received from MCGM on 14th September 2011. Part OC for Blocks C, A, L, M, J and basement to F Block was received from MCGM on 3rd December 2012.
2	How many families are staying in project?	Not applicable as the use is non-residential.
3	What is total water supply to project, source and quality	Total Water Requirement: 534 KLD Source: Fresh water: 119 KLD sourced from MCGM Ground water: 295 KLD Recycled water: 120 KLD
4	Total sewage generation m3/day	128 KLD

5	STP details	SAFF based with capacity of 130 KLD	
6	Treated wastewater disposal	The project has Zero Discharge facility and all treated water is reused within the site.	
7	Any DG sets, are they complying the norms	3 x 1010 KVA 1 x 600 KVA 1 x 40 KVA Yes. All DG sets are compliant with MPCB norms. MPCB approvals dated 01 Oct 2010 and 31 Jul 2003 refers.	

Format for Assessment of Environmental Damages

The protocol format presented below is required to be prepared and certified by approved Environmental Consultants who are required to submit an undertaking certifying correctness of the data presented.

Attributes	**Scope of saving on account environmental protection measures**	**EMP cost**		
		Recurring cost per day (Rs.)	**Non-recurring cost (Rs.)**	
Air Pollution	Water requirement for sprinkling (KL/day): Cost of 1 KL water (Rs.)	500*	0.00	
	***Note**:* *Cost of 1 kL water is Rs. 50. Thus, cost of utilization of 10 kL water per day for sprinkling is Rs. 500.*			
Water Pollution	A. Cost of water requirement			
	a) Construction Phase	500*	0.00	

Note: *Curing, slab casting, other brick work required 60252 cum*			
B. Cost of sewage treatment, reuse & disposal			
a) Construction Phase	0.00	5,00,000*	
Note: *Temporary toilets and soak pits were provided in labour camp.*			
b) Operation Phase	591*	20,00,000*	
Note: *Capex Investment undertaken for STP system is Rs. 20,00,000 (installed). AMC for STP Maintenance = Rs. 2,15,715 and cost per day = Rs. 591.*			
	C. Quantity of water pumped out during excavation and a lumpsum cost of Rs. 50 per cum for such unauthorized water extraction and disposal	0.00	4,40,000*
	Note: *Cost of dewatering during excavation is 220 kL/day x Rs. 50 = Rs. 11,000 per day. For 40 days (i.e. excavation period): Rs.* *4,40,000/-*		
	D. Cost of construction & maintenance of recharge well	500*	0.00

Soil Environment	In case of demolition has carried out, the cost of demolition waste management plan needs to be discussed and finalized as non-recurring cost	0.00	3,65,000*	
	***Note**:* *Cost paid to the vendor is Rs. 3,65,000/-.*			
	In case there is some hazardous waste like asbestos or the site is located on industrial area where hazardous chemical or waste was handled, the cost based on due diligence of the project site, as given by consultants (the report must include soil analysis, water analysis, MPCB consent copies, manifest of HW, if any). This requires critical examination from SPCB.	0.00	0.00	
	Cost of preservation of top soil & excavated earth to be considered. [Area (m2) x depth (m) x Sp. Gravity (kg/m3) x cost per tonne (Rs.)]	0.00	80,000*	
	***Note**:* *Top soil removed was approximately 2356 sq. m. x 0.30 m. = 706.80 cum* *The estimated cost of handling was Rs. 80,000/-.*			
	Excavation quantity for foundation Approval was taken for excavating 3,13,843 cu. m. of soil for which a royalty of Rs. 48,94,417/- was paid to the Collector. 1,50,000 cu. m. soil was back filled. The soil was stored within plot and reused for levelling and Green belt. Excavation of soil was undertaken with approval of the Collector MSD/ and disposed of extra soil was in accordance with approvals of the MCGM / Collector MSD.	0.00	48,94,417	
Noise and Vibration	For damage due to noise pollution & vibration, the cost of barricades around the project site should be considered. [Perimeter (m) x Height of the barricade (m) x cost of the sheet]	0.00	19,60,000*	

***Note**: Total cost of barricading during* *construction phase is Rs. 19,60,000/-.*				
Green belt	In case of any tree cutting without EC cost of Rs. 10000/- per tree apart from any statutory action for such tree cutting if any,	0.00	19,90,000 #	
	***Note**:* *Total 199 trees were cut after obtaining due permission from Tree Authority of MCGM and the conditions given were fully complied. Hence, this is the* *Notional cost computed as per SEIAA format.*			
	Cost of planting & maintaining trees (Number of trees as per the bye-laws)	0.00	3,03,100*	
	Cost of compensatory tree plantation (5 trees for each tree cut) ***Note**:* *Total 433 new trees were planted on site including the transplanted trees.* Rs. 700 x 433 = Rs. 3,03,100			
RH / OHS	Cost of workers benefit to be considered in view of Building and Other Construction Workers' Welfare Cess Act, 1996			
	A. Cost of health checkup of workers:	0.00	6,24,000*	
	B. Cost of safety measures including PPEs:			

	***Note**:* *The health check-up of workers and ensuring safety measures including PPEs were in scope of the contractor. However, the provided cost is of appointment of Safety Officer to supervise the contractor and for conducting periodic safety audits.*			
Total		**2091**	**131,56,517**	

**Actual costs spent by proponent. Please refer attached documents [Enclosures]. # Notional amount derived based on the SEIAA format*

Calculation of cost of remediation plan and natural & community resource augmentation plan

Sr.	Description	Details	Amount
A	Assessment of Environment Damages		
1	Total of recurring cost	Cost arrived from above table per day x number of days in violation	66,61,926
		Note** *• Start Day: 14th March 2007 (date of CC granted by MCGM)* *• End Day: 2nd December 2015 (date of Show Cause Notice issued by MPCB)* *• Total no. of days: 3186 days*	
2	Non - recurring cost	Cost as arrived from above table	**13156517**
	Sub Total (1+2 above)	(Subject to minimum Rs 1 crore)	**19818443**
B	**Economic benefits accrued due to violation**		
1	Economic benefits	1% of Total Project cost including land, as declared by PP before SEAC, subject to maximum Rs. 10 Cr.	3,51,21,065
		Note** *Project Cost* *= Land Cost + Construction Cost* *= Rs. 35,86.95 Lakh + Rs. 315,34.12 Lakh* *= Rs. 351,21.065 Lakh = Rs. 351.21 Crore*	

2	Track Record of Project proponent PP observed at any other	Incremental cost of Rs. 10 lakhs for each EC violation by PP observed at any other projects in last 3 years	
C	Cost of remediation	Sum of A and B above or amount	**5,49,39,508**
	plan and natural & community resource augmentation plan (#)	equivalent to the CER amount as per the MOEF and CC's office memorandum no: F - NO 22 -65/2017-IA -III dated 01 /05 /2018, whichever is higher	

** *Information provided by proponent*

#The above is the cost of remediation calculated as per the SEIAA format

It is noted that,

1. As there is no earlier violation, the penal clause as mentioned under item 28 of the Approach Paper appended to the Guidelines is not applicable in this case.

2. As per clause 33 of the Approach Paper appended to the Guidelines, the actual cost of remediation may be calculated as under:

1. As per format given in SEIAA Circular, the Damage Assessment value is arrived at Rs. 5.49 Crore/-.

During the meeting PP submitted that, the recognized violation does not incur the need for any primary or complimentary remediation as the all measures taken during construction & operation phase. There are no interim losses to ecological functions that need to be restored or replaced and thereby would require compensatory remediation. The entire construction, including the violation part with reference to the EC, was carried out as per approved plan by local planning authority.

PP further submitted that the total cost of remediation is calculated as Rs. 5,49,39,508/-. are actual values of Expenses already incurred by TCS during the Demolition, Construction & Commissioning stage, which is a part of the total cost incurred by them. Thus, the amount worked out above is not to be construed as Damage Caused to Environment (as this expense is already incurred by TCS). PP also submitted that they have undertaken environmental protection measures which are in line with the prevailing best practices in the industry. PP stated that, they have already spent a large amount on socially and environmentally important works in addition to that already spent on environmental protection measures like in association with the Urban Development Dept., GoM, they have taken up the development of an underpass on the Western Express Highway of a cost of Rs. 4.98 Crore to facilitate effective traffic management and decongesting the area & proposal of Rs. 0.56 Crore to facilitate Public e toilets at gundawali, andheri East on footpath of service road of western express highway submitted to MMRDA for approval.

DECISION OF SEAC

After deliberation, Committee recommended that, PP can take up above mentioned activities under CER & also decided to recommend the proposal for Environmental Clearance to SEIAA for further needful subject to following conditions.

Specific Conditions by SEAC:

1) Committee noted that, there is change in area (FSI, Non-FSI & TBUA) mentioned in the CS. PP to revise the online CS accordingly.
2) As per MoEF & CC notification dated 14/3/2017 & OM dated 15/3/2018 & 16/3/2018 regarding violation, the damage assessment value is arrived at Rs.5,49,39,508. PP to comply with SEIAA decision regarding activities to be carried out for Environmental restoration programme.
3) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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