



**Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), MAHARASHTRA)**

To,

The ENGINEER CIVIL SCIENTIFIC OFFICER D
TATA MEMORIAL CENTRE ACTREC
PLOT NO 1 AND 2 SECTOR 22 KHARGHAR NAVI MUMBAI RAIGAD -
400012

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/MH/INFRA2/403201/2022 dated 15 Oct 2022. The particulars of the
environmental clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC23B039MH160026 |
| 2. File No. | SIA/MH/INFRA2/403201/2022 |
| 3. Project Type | Expansion |
| 4. Category | B |
| 5. Project/Activity including
Schedule No. | 8(b) Townships and Area Development
projects. |
| 6. Name of Project | Proposed Development of Existing Layout
of Tata Memorial Centre- ACTREC
campus at plot no. 1 & 2, Sector 22,
Kharghar, Tehsil - Panvel, District-
Raigad, Maharashtra |
| 7. Name of Company/Organization | TATA MEMORIAL CENTRE ACTREC |
| 8. Location of Project | MAHARASHTRA |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 23/02/2023

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (MAHARASHTRA)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/INFRA2/403201/2022
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s.TATA MEMORIAL CENTRE ACTREC.
plot no. 1 & 2, Sector 22, Kharghar,
Tehsil - Panvel, District- Raigad.

Subject : Environmental clearance for proposed Development of Existing Layout of Tata Memorial Centre- ACTREC campus at plot no. 1 & 2, Sector 22, Kharghar, Tehsil - Panvel, District- Raigad by M/s.TATA MEMORIAL CENTRE ACTREC.

Reference : Application no. SIA/MH/INFRA2/403201/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 182nd meeting under screening category 8 (b) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 256th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

Sr. No.	Description	Details	
1	Proposal Number	SIA/MH/INFRA2/403201/2022	
2	Name of Project	Proposed Development of Existing Layout of Tata Memorial Centre – ACTREC Campus	
3	Project category	8 (b) B1	
4	Type of Institution	Central Government	
5	Project Proponent	Name	M/s. Tata Memorial Center (TMC) - ACTREC
		Regd. Office address	Plot No. 1 & 2, Sector 22, Village – Kharghar, Taluka – Panvel, District – Raigad State -Maharashtra
		Contact number	9869502468
		e-mail	Satish.bhangale68@gmail.com
6	Consultant	M/s. EcoFootForward Environment Consultancy & Engineers Pvt. Ltd. D-318, Neelkanth Business Park, Vidyavihar (West), Mumbai 400086, Maharashtra, India. NABET Accreditation number: NABET/EIA/2023/RA 0190_Rev 01 dated on 28.12.2020 Validity: 04.03.2023	

7	Applied for	Expansion		
8	Location of the project	Located at Plot No. 1 & 2, Sector 22, Village – Kharghar, Taluka – Panvel, District – Raigad		
9	Latitude and Longitude	Boundary Points	Latitude	Longitude
		A	19° 4'4.67"N	73° 3'44.44"E
		B	19° 4'4.22"N	73° 3'59.29"E
		C	19° 3'43.97"N	73° 3'42.72"E
		D	19° 3'44.43"N	73° 3'53.50"E
10	Plot Area (sq.m.)	2,40,007.49		
11	Deductions (sq.m.)	-		
12	Net Plot area (sq.m.)	2,40,007.49		
13	Ground coverage (m ²) & %	42301.98 Sq. Mtrs. & 17.62 %		
14	FSI Area (sq.m.)	<ul style="list-style-type: none"> Existing Development Before Year 2006: 36141.155 m² + Existing Development Between Year 2006 to 2020: 82099.428 m² + Proposed Development: 121766.91 m², Total Development = 2,40,007.49 m² 		
		PROPOSED FUTURE BUILDING		
		Sr. No.	Project Title	FSI Areas (In Sq. Mtrs.)
		P1	TMC Child Care Center - LOI issued by CIDCO vide letter no. CIDCO/PLNG/ATPO(NM)/BP-15162/2021/4024 dated 27.10.2021	13120.30
		P2	IROC Building	13346.00
		P3	Hostel 17 Building	17247.80
		P4	Center for New Biology	55075.25
		P5	Additional 4 Floors on Shantilal Shanghvi	9067.50
		P6	Gate No 3	257.53
		P7	Additional 3 floors to CCE	5067.39
		P8	Extension of Faculty Building	2646.00
		P9	Multi-Level Car Parking.	
		P9. a	Multi-Level Car Parking A	689.13
		P9. b	Multi-Level Car Parking B	689.13
		P10	Multi-Purpose Hall	2835.55
		P11	Animal House	1036.20
		P12	Service Block	689.13
		TOTAL AREAS		
				121766.91
15	Non-FSI (sq.m.)	<ul style="list-style-type: none"> Existing Building Before 2006 = NA + Existing Development Between Year 2006 to 2020: 1,88,895.22 m² + Proposed Development: 39,318 m², Total Development = 58,213.22 m² 		
		PROPOSED FUTURE BUILDING		
		Sr. No.	Project Title	Non-FSI Areas (In Sq. Mtrs.)

		P1	TMC Child Care Center - LOI issued by CIDCO vide letter no. CIDCO/PLNG/ATPO(NM)/BP-15162/2021/4024 dated 27.10.2021		3319.04
		P2	IROC Building		1500.9
		P3	Hostel 17 Building		1724.78
		P4	Center for New Biology		3085.62
		P5	Additional 4 Floors on Shantilal Shanghvi		1420.58
		P6	Gate No 3		0
		P7	Additional 3 floors to CCE		823.58
		P8	Extension of Faculty Building		781.44
		P9	Multi-Level Car Parking.		
			P9. a	Multi-Level Car Parking A	14524.87
			P9. b	Multi-Level Car Parking B	3810.87
		P10	Multi-Purpose Hall		756.84
		P11	Animal House		53.65
		P12	Service Block		7515.83
		TOTAL AREAS			
16	Proposed built-up area (FSI + Non FSI) (sq.m.)	<ul style="list-style-type: none">Existing Building Before 2006 = 36141.16 m2+Existing Building Between 2006 to 2020 = 100280.61 m2+Proposed = 161798.46 m2,Total Development = 298220.22 m²			
PROPOSED FUTURE BUILDING					
Sr. No.	Project Title		FSI Areas (In Sq. Mtrs.)	Non FSI Areas (In Sq. Mtrs.)	Total Construct ion Areas (In Sq. Mtrs.)
P1	TMC Child Care Center - LOI issued by CIDCO vide letter no. CIDCO/PLNG/ATPO(NM)/BP-15162/2021/4024 dated 27.10.2021		13120.30	3319.04	16439.34
P2	IROC Building		13346.00	1500.9	14846.90
P3	Hostel 17 Building		17247.80	1724.78	18972.58
P4	Center for New Biology		55075.25	3085.62	58160.87
P5	Additional 4 Floors on Shantilal Shanghvi		9067.50	1420.58	10488.08
P6	Gate No 3		257.53	0	257.53
P7	Additional 3 floors to CCE		5067.39	823.58	5890.97
P8	Extension of Faculty Building		2646.00	781.44	3427.44
P9	Multi-Level Car Parking.				
	P9. a	Multi-Level Car Parking A	689.13	14524.87	15214.00
	P9. b	Multi-Level Car Parking B	689.13	3810.87	4500.00

		P1 0	Multi-Purpose Hall	2835.55	756.84	3592.39
		P1 1	Animal House	1036.20	53.65	1089.85
		P1 2	Service Block	689.13	7515.8 3	8204.96
		TOTAL AREAS		121766. 91	39318. 00	161798.46
17	TBUA (m ²) approved by Planning Authority till date	1,36,421.77 m ²				
18	Earlier EC details with Total Construction area, if any.	<div>1. EC for Radiological Research unit and Administrative Block (RRU), Center for Cancer Epidemiology (CCE), Archive and Record Storage (A & R) in ACTREC Campus vide EC Letter No. SEAC 2013/CR – 101/TC-1 Dated: 08.04.2013</div> <div>2. Amendment in EC for Research unit and Administrative Block (RRU), Center for Cancer Epidemiology (CCE), Archive and Record Storage (A & R) in ACTREC Campus vide Letter no. SEAC 2013/CR-101/TC-I Dated: 11.12.2015</div> <div>3. EC for Expansion of Tata Memorial Hospital” Hematolymphoid Block” in ACTREC Campus vide EC Letter no. SEAC 2213/CR 352/TC – II Dated: 12.01.2016</div> <div>4. EC for Expansion & Amendment by addition of “Bio-Bank” in ACTREC Campus vide letter no. SEIAA- STATEMENT-0000000352 Dated: 04.05.2017</div> <div>5. EC for addition of Dormitory Building “Aashaniwas” in ACTREC Campus vide Letter no. SEIAA- STATEMENT-0000000304 Dated: 12.01.2018</div> <div>6. EC for Hadron Beam (Proton Therapy) Facility & Radiological Research unit (RRU) and Administrative Block vide Letter no. CIDCO/ACP(BP/DP/NT)/EC/2018/643 Dated: 12.01.2018</div> <div>7. EC for addition of 1 Hospital “Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre” in existing ACTREC Campus vide Letter no. SEIAA-EC-0000002065 Dated: 07.11.2019</div>				
19	Construction completed as per earlier EC (FSI + Non FSI) (sq.m.)	1,36,421.77 m ²				
20	Building Details					
	Previous EC / Existing Building			Proposed Configuration		Reason for Modification / Change
	Building Name	Configuration	Height (m)	Building Name	Configuration	
	Existing Development - Before 2006					

Compound Wall, Project house & Guard House	Ground	4.20	TMC Child Care Centre (Non-Hospital)	Ground + 12 Upper Floors	48.05	
Staff Quarters Type II b & III C (64	Ground + 4 Upper floors	14.40	IROC Building (Hospital)	Ground + 11 Upper Floors	53.70	
CRI (Cancer Research Institute	Ground + 3 Upper floors	16.80	Hostel 17 Building (Non-Hospital)	Ground + 17 Upper Floors	54.30	
Animal House & Service Block	Ground + 4 Upper Floors	24.30	Centre for New Biology (Hospital)	Ground + 14 Upper Floors	54.90	
Ward Block	Ground + 1 Upper floors	-	Additional 4 Floors on Shantilal Shanghvi (Hospital)	Ground + 14 Upper Floors (4 Floors extension)	59.40	
CRC (Clinical Research Centre	Ground + 3 Upper floors	16.80	Gate No 3 (Non-Hospital)	Ground	6.30	
Vasundhara Vishramgriha	Ground + 3 Upper floors	14.40	Additional 3 floors to CCE (Hospital)	Ground + 6 Upper Floors (Extension of 3 upper floors)	35.45	
Faculty Building	Ground + 4 Upper Floors	24.30	Extension of Faculty Building (Non-Hospital)	Ground + 3 Upper Floors	24.30	
Addition Alteration in Staff Quarter Building IIB	Ground + 4 Upper floors	14.40	Multi-Level Car Parking A (Non-Hospital)	Ground + 7 Upper Floors	33.60	
Existing Building Between Year 2006 to 2020			Multi-Level Car Parking B (Non-Hospital)	Ground + 4 Upper Floors	21.30	
Center For Cancer Epidemiology (CCE, Archive &	Ground + 3 Upper Floors	16.80	Multi Purpose Hall (Non-Hospital)	Ground + 3 Upper Floors	20.10	

	Record Storage)						
	Archive and Record Storage (G + 4)	Ground + 4 upper floor	19.35	Animal House (Hospital)	Ground + 3 Upper Floors	24.30	
	Entrance Gate Structure	Ground	6.30	Service Block (Non-Hospital)	Ground	8.40	
	Asha Nivas Building (G + 11)	Ground + 11 Upper Floors	48.75				
	Radiological Research unit (RRU) and Administrative Block	Ground + 7	35.90				
	Hematolymphoid Block	Ground + 7	38.39				
	Construction of Hematolymphoid Block, Utility room & Gas Bank (Additional 6th, 7th floor)	Ground	4.20				
	Hadron Project	Ground + Upper floors	8.40				
	Bio Bank	Ground	3.60				
	Shantilal Shanghavi Pediatric Hematolymphoid Cancer Center	Ground + 10 Upper Floors	45.00				
21	No. of Tenements & Shops	-					
22	Total Population	12276					
23	Total Water Requirements CMD	Fresh Water: 2463.03 CMD					
24	Under Ground	As per UDCPR norms					

	Tank (UGT) location			
25	Source of water	CIDCO		
26	STP Capacity & Technology	STP Capacity: 3165 CMD STP Technology: MBBR (Moving Bed Biofilm Reactor)		
27	STP Location	Ground		
28	Sewage Generation CMD & % of sewage discharge in sewer line	Sewage Generation: 2880.71 CMD, No sewage discharge in sewer line		
29	Solid Waste Management during Construction Phase	Type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	18	Sold to Authorized Vendor
		Wet waste	12	Treatment by Existing Bio-gas Plant
		Construction waste	-	-
30	Total Solid Waste Quantities with type during Operation Phase & Capacity of OWC to be installed	Type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	4108.57	Authorized Recycler
		Wet waste	2358.36	Onsite Biogas plant
		Biomedical waste	2332	CBMWTSDf
		E-Waste	-	-
		STP Sludge (dry)	-	-
31	R.G. Area in sq.m.	RG required – 24000.07 Sq. m		
		RG provided on Mother earth/Ground- 25941.74 Sq. m		
		Total – 25941.74 Sq. m		
		Existing trees on plot: 6795 (For RG area: 2711+ For Miyawaki Plantation: 4084)		
		Number of trees to be planted: Not Applicable (already planted on-site as per requirement)		
		Number of trees to be cut: 56 (already cut for existing development, also obtained tree NOC)		
		Number of trees to be transplanted: 0		
32	Power requirement	Details/ Source	Mahavitaran	
		Connected load (kW)	31948.56 KVA	
		Demand load (kW)	18034.36 KVA	
33	Energy Efficiency	Solar energy: 5% saving by Renewable		
34	D.G. set capacity	4 X 625 KVA, 2 X 500 KVA, 2 X 2000 KVA, 2 X 1500 KVA, 2 X 625 KVA, 1 X 320 KVA, 2 X 910 KVA, 4 X 2000 KVA,1 X 500 KVA,3 X 1000 KVA		

35	No. of 4-W & 2-W Parking with 25% EV	No. of 4-Wheeler: 750 No. of 2-Wheeler: 1940 No. of Ambulance: 4 Note: The EV provision will be fulfilled for each building for proposed development.
36	No. & capacity of Rain water harvesting tanks /Pits	Rain-Water Harvesting Provision will be fulfilled for each building for proposed development
37	Project Cost in (Cr.)	566 Crore
38	EMP Cost	Construction Phase: 50 Lacs/Annum Operation Phase: Capital Cost: 2722.81 Lacs, O&M Cost: 212.49 Lacs/Annum
39	CER Details with justification if any....as per MoEF&CC circular dated 01/05/2018	-
40	Details of Court Cases/ litigations w.r.t the project and project location, if any.	NA

The comparative statement showing the details of project as per the earlier EC and the proposed project is as below:

Sr.no	Reference of Approved EC	Description as Before 2006	Description as per Approved EC between 2006-2020	Description as per current Proposal. (Future development)	Remarks
1.	Total Plot Area	2,40,007.49 m ²	2,40,007.49 m ²	2,40,007.49 m ²	No change
2.	Deduction	NA	NA	NA	No change
3.	Net Plot area	2,40,007.49 m ²	2,40,007.49 m ²	2,40,007.49 m ²	No change
4.	FSI Area	36,141.155 m ²	82,099.428 m ²	121766.91 m ²	--
5.	Non-FSI Area	0.00	18,895.22 m ²	39318.00 m ²	--
6.	Total Gross Construction area	36,141.155 m ²	1,00,280.608 m ²	1,61,798.46 m ²	Total Gross construction area = 2,98,220.22 m ²
7.	Parking	2W – 31 Nos. 4W- 309 Nos		2W – 750 Nos. 4W- 1940 Nos.	
8.	Population	4772 Nos.		7504 Nos.	population increased by 2732 and total to 12,276 persons.
9.	Building Configuration	Compound Wall, Project house & Guard House Ground floor	Centre for Cancer Epidemiology G + 3	TMC Child Care Centre G +12	Before 2006, 9 nos. of building were approved. From 2006 to 2020, 10

		Staff Quarters Type II b & III C (64 Quarters) G + 4	Archive & Record Storage G + 4	IROC Building G + 11	buildings were approved. For future development, 12 nos. of buildings are proposed.
		CRI (Cancer Research Institute) G + 3	Entrance Gate Structures Ground	Hostel Residential G + 17	
		Animal House & Service block G + 4	Asha Nivas Dormitory Building G + 11	Centre for New Biology G + 14	
		Ward Block – G + 1	Radiological Research Unit & Administrative Buildings G + 7	Additional 4 floors on Shantilal Shanghavi Block G + 14	
		CRC (Clinical Research Centre) G + 3	Hematolymphoid Block G + 7	Gate No. 3 Ground	
		Vasundhara Vishramgriha G + 3	Construction of Hematolymphoid block, Utility room & Gas Bank Ground	Additional 3 floors on Centre for Cancer Epidemiology G + 6	
		Faculty Building G + 4	Hadron Project G + 1	Extension of Faculty Building G + 3	
		Addition Alteration in Staff Quarters Building II B G + 4	Bio Bank Structures Ground	Multi-Level Car Parking A – G + 7 Multi-Level Car Parking B – G + 4	
			Shantilal Shanghvi Hematolymphoid Cancer Centre G + 10	Multi-Purpose Hall – G + 3	
				Animal House G + 3	
				Service Block Ground	
		9 Nos. of Building	10 Nos. of Building	12 Nos. of Building	
10.	Water Requirement	Source: CIDCO/Recycled water Total Water requirement: 708.17 CMD		Source: CIDCO/Recycled water/Portable water tanker Total Water requirement: 1754.86 KLD	Increase by 1046.69 KLD

11.	Sewage generation	764.66 CMD	2116.05 CMD	Increase by 1351.39 CMD
12.	STP capacity	640 CMD	2525 CMD	Increase by 1885 CMD
13.	Solid waste generation	Dry Waste: 1288 Kg/day, Wet Waste: 859 Kg/day,	Dry Waste: 2821 Kg/day, Wet Waste: 1499 Kg/day,	Authorized Recycler, Existing Biogas plant & Proposed OWC
14.	Energy Requirement Details	Source: MahaVitaran <ul style="list-style-type: none"> Maximum Demand: 4762 KVA Alternate power supply: DG set with capacities 4 X 625 kVA 2 X 500 kVA 2 X 2000 kVA 2 X 1500 kVA 	Source: MahaVitaran <ul style="list-style-type: none"> Maximum Demand: 15651.36 KVA Connected Load: 27186.56 KVA Alternate power supply: DG set with capacities, 2 X 625 kVA 1 X 320 kVA 2 X 910 kVA 4 X 2000 kVA 1 X 500 kVA 3 X 1000 kVA 	

3. Proposal is an expansion of existing construction project. PP has obtained earlier ECs dated 08/04/2013, 11/12/2015, 12/01/2016, 04/05/2017, 12.01.2018 and 07.11.2019 for total BUA of 1,10,711.64 m². Also there is construction having total BUA of 36,141.155 m² which is prior to EIA notification, 2006. Proposal has been considered by SEIAA in its 256th (Day-1) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

A. SEAC Conditions-

- PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
- PP to obtain following updated NOCs & remarks as per amended plan:
 - Sewer connection;
 - SWD NOC;
 - Tree NOC.
- PP to submit certified six-monthly compliance report of earlier EC from Regional Office, MOEF&CC, Nagpur.

4. PP to submit architect certificate with bifurcation & calculations of existing & proposed RG & also mentioning that 100 % proposed RG is on the ground as per latest order of NGT.
5. PP to reduce discharge of treated water up to 35%; PP to submit undertaking from CIDCO regarding use of excess treated water for Golf course and Central Park.
6. PP to include total cost DMP of construction & operation phase in EMP & accordingly, revise EMP of Construction & Operation phase.
7. PP to ensure that minimum 25 % four-wheeler and two-wheeler Parking's should be equipped with electric Charging facilities.
8. PP to submit carbon footprint report of the entire project.

B. SEIAA Conditions-

1. This EC is only for TMC Child Care Centre building of the proposed buildings as PP has obtained CFO NOC for the same only. Also, height of the Child Care Centre building is restricted for 42.95 m height as per CFO NOC.
2. PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
3. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
4. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
5. SEIAA after deliberation decided to grant EC for – FSI –240007.49m², Non FSI- 58213.22 m², Total BUA- 298220.22 m². (Plan approval No.CIDCO/PLNG/ATPO(NM)/BP-15162/2022/4563, Dated-24.11.2022)

General Conditions:

a) Construction Phase :-

- I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.
- III. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- IV. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- V. Arrangement shall be made that waste water and storm water do not get mixed.
- VI. Water demand during construction should be reduced by use of pre-mixed concrete,

- curing agents and other best practices.
- VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
 - VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
 - IX. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
 - X. The Energy Conservation Building code shall be strictly adhered to.
 - XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
 - XII. Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
 - XIII. Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
 - XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
 - XV. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
 - XVI. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
 - XVII. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
 - XVIII. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
 - XIX. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell /designated person.

B) Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management

and Handling) Rules, 2016.

- III. a) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.
- IV. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement.
- V. The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
- VI. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- VII. PP to provide adequate electric charging points for electric vehicles (EVs).
- VIII. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- IX. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- X. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes.
- XI. The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at parivesh.nic.in
- XII. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- XIII. A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- XIV. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same

periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

C) General EC Conditions:-

- I. PP has to strictly abide by the conditions stipulated by SEAC & SEIAA.
 - II. If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
 - III. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
 - IV. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
 - V. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
 - VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
 - VII. This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.
6. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without

any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.

8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

9. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA, Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Raigad.
6. Commissioner, Panvel Municipal Corporation
7. Regional Officer, Maharashtra Pollution Control Board, Navi Mumbai.

