टाटा स्मारक केन्द्र
TATA MEMORIAL CENTRE
कैंसर उपचार, अनुसंधान एवं शिक्षा का प्रगत केंद्र
ADVANCED CENTRE FOR TREATMENT, RESEARCH & EDUCATION IN CANCER
प.ऊ.वि. भारत सरकार का एक सहायता अनुदान प्राप्त संस्थान
A GRANT-IN-AID INSTITUTE UNDER DEPARTMENT OF ATOMIC ENERGY, GOVT. OF INDIA

No. 105551

Ref No. TMC/ACTREC/SKB/Compliance report/2025-26/

Date: 18th February 2026

To,
The Chief Conservator of Forest,
Ministry of Environment, Forests & Climate
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur- 440001

Sub: Submission of Six-Monthly Environmental Clearance Compliance Report.

Ref:

- Environmental Clearance granted for (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) by State Level Environmental Impact Assessment Authority (SEIAA), Maharashtra vide letter No.: SEAC 2013 / CR-101/TC-1, Dated: 8th April 2013 & Amendment in same on 11th December 2015.
- Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" vide No. SEAC 2213/CR 325/TC II Dated: 12th January 2016.
- Environmental Clearance for Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) Vide No. CIDCO/ACP(BP/DP/NT)/EC/ 2018 / 643; Date: 12.01.2018.
- Amended Environmental Clearance for Asha Niwas vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/642 Date: 12.01.2018.
- Environment Clearance for the Expansion & Amendment for Bio Bank vide No. SEIAA-EC-0000000084 Dated 4th May 2017.
- Environment Clearance for Addition of one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" Vide No. SEIAA-EC-0000002065 dated 7th November 2019.
- EC No. EC23B039MH160026 Dated 23rd February 2023 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus.
- EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House).
- EC No. EC25B3813MH5368338N Dated 11th September 2025 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Amendment of IROC Building (Hospital) with Service Block and Addition of NSE Building with Service Block).

Respected Sir,

We have granted Environmental Clearance for existing and proposed project (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage), Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" & Hadron Beam (Proton

Therapy) Facility and Radiological Research Unit & Administration Block (RRU), Asha Niwas, TMC Child Care Centre & Biobank, Hostel building with service block, MLCP 1, New Animal house and amendment of EC grated for the proposed buildings IROC Building (Hospital) with Service Block and NSE Building with Service Block at ACTREC, Plot No. 1 & 2, sector 22 at Khargar, Navi Mumbai.

Construction activities started at site from 15th September 2013.

In compliance to the conditions stipulated in Environmental Clearance we are submitting the six-monthly Compliance Status Report for the period of July 2025 – December 2025 along with the desired information and copies of documents are as under:

1. Data sheet
2. EC Compliance report.
3. Post Monitoring Report (July 2025 – December 2025)

We understand that the report prepared by M/s. Sahayog Enviro Solutions, Consultant, is as per requirements.

We hope the above is to your satisfaction.

Thanking You,

Yours faithfully

19/oct/2026

Mr. Satish K. Bhangale
Engineer-In-Charge, Civil
TMC-ACTREC, Kharghar
NAVI MUMBAI 410 210.

Encl: Annexure I to XXII.

CC to:

1. **The Member Secretary, Maharashtra Pollution Control Board, 3rd Floor, Kalpataru Point, Sion, Mumbai- 400 022.**
2. **Central Pollution Control Board, Parivesh Bhavan, Opp. VNC word office No. 10, Subhanpura, Vadodara.**

DATA SHEET

1.	**Project type: River-valley/Mining/Industry/ Thermal / Nuclear/Other (Specify)**	Hospital Project (Advance Treatment, Research & Education in Cancer – funded by Government of India)
2.	**Name of the Project**	Existing and Proposed project Radiological Research Unit and Administrative block (RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) at ACTREC, Proposed expansion of TATA Memorial Hospital "Hemato Lymphoid Block", proposed construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block(RRU), Construction of Dormitory Building(Asha Niwas), TMC Child Care Centre and Construction of Bio Bank storage Building and "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House, Addition of IROC & NSE Hospital Building.
3.	**Clearance letter (s)/OM No. And Date**	**EC granted for -** • (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) vide letter No: SEAC 2013/CR-101/TC-1, Dated: 8th April 2013 • Amendment in same on 11th December 2015 • Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" vide No. SEAC 2213/CR 325/TC II Dated: 12th January 2016. • Environmental Clearance for Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) Vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/643; Date: 12.01.2018 • Amended Environmental Clearance for Asha Niwas vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/642 Date: 12.01.2018. • Environment Clearance for the Expansion & Amendment vide No. SEIAA-EC-0000000084 Dated 4th May 2017. • Environment Clearance for Addition of

		one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" in existing ACTREC vide no. SEIAA-EC-0000002065 dated 7th November 2019 • EC No. EC23B039MH160026 Dated 23rd February 2023 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. (TMC Child Care Centre) • EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House. • EC No. EC25B3813MH5368338N Dated 11th September 2025 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Amendment of IROC Building (Hospital) with Service Block, Centre for New Biology and Addition of NSE Building with Service Block).
4.	**Location:** **a) District (s)** **b) State (s)** **c) Location** **d) Latitude/Longitude**	Navi Mumbai Maharashtra Plot No. 1 & 2, sector 22 at Kharghar, Navi Mumbai. Latitude :$19^0$04'04.67" N Longitude: $73^0$03'44.44" E
5.	**Address for correspondence** **a) Address of the Concerned Project Chief Engineer (With Pin Code and telephone/telex/fax numbers)**	Name: Satish Bhangale; Engineer 'E' Civil Address: Engineering Services, Ground floor, Pushp Building, ACTREC - Tata Memorial Centre Plot No. 1 & 2, sector 22 at Kharghar, Navi Mumbai 410210. Tel No: 022-2740 5013/5067 Mobile No: 9869502468 Email id: sbhangale@actrec.gov.in
6.	**Salient features** **Of the project**	Total Plot Area: 2, 40, 007.495 sq. m. (As per EC Dated: 8th April 2013 & Amendment in same on 11th December 2015)

Particular	No. of buildings	Configuration
Radiological Research Unit and Administrative Block (RRU)	01	Existing scope B + Gr + 03 (Design for B + G +7) =7500 Sq. m.
Centre for Cancer Epidemiology (CCE)	01	Existing scope Gr + 03 (Design for G + 7) = 6000 Sq. m.
Archive & Record Storage	01	Existing scope Gr + 04 (Design for G + 4) = 4000 sq. m.

Existing FSI area: 17, 500 sq. m.
Existing: Non FSI area: 5250 sq. m.
Existing Total Built Up Area: 22,750 sq. m.

(As per EC granted for expansion on dated: 12th January 2016)
Total Buildings – 2

Hematolymphoid Block	1	G + 7
Utility Block	1	Ground floor
Medical Gas Manifold	1	Ground floor
Electrical Substation	1	Ground floor
Entrance Structure	1	Ground floor

Proposed FSI area: 16731.26 sq. m
Proposed Non FSI: 2032.43 Sq. m.
Proposed Total Built Up Area: 18763.69 sq. m.

(As per EC for the Expansion & Amendment vide No. SEIAA-EC-0000000084 Dated 4th May 2017)
Bio-Bank structure having built-up area 119.88 Sq.m. with Ground floor configuration in the same plot, hence exceeding the earlier proposed built up area from 18,763.69 Sq.m. to 18,883.57 Sq.M.

Built-up area: 119.88 Sq.m.
Total BUA: 18,883.57 Sq.m.

(As per EC dated: 12th January 2018 for proposed construction of Hadron Beam (Proton Therapy) facility and RRU)

		<table><tr><th>Particular</th><th>No. of buildings</th><th>Configuration</th></tr><tr><td>RRU & administration Block</td><td>01</td><td>B+G+7 floors</td></tr><tr><td>Hadron Facility</td><td>01</td><td>G+1 UF</td></tr></table> Existing FSI area: 20,682 sq. m. Existing: Non FSI area: 834.50 sq. m. Existing Total Built Up Area: 21516.50 sq. m. As per EC dated: 12th January 2018 for proposed construction of Dormitory Building, 'Asha Niwas' 1. FSI Area: 13210.24 sq.m. 2. Non FSI Area: 6286.76 sq.m 3. Total BUA: 19497.00 sq.m. As per EC dated: 12th January 2018 for proposed construction of Dormitory Building, 'Asha Niwas' FSI area: 25007.10 Sqm Non FSI area : 3057.78 Sqm Total BUA: 28064.88 Sqm As per EC dated: 23rd February 2023 for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. 1. FSI Area: 1,21,766.91 sq.m. 2. Non FSI Area: 39,318 sq.m 3. Total BUA: 1,61,798.46 sq.m. As per EC Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. 1. FSI Area: 2,40,007.05 sq.m. 2. Non FSI Area: 75,158.73 sq.m 3. Total BUA: 3,15,165.78 sq.m. As per EC Dated 11th September 2025 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus.

<table>
<tr><td></td><td></td><td>1. FSI Area: 2,40,007.05 sq.m.
2. Non FSI Area: 83,197.25 sq.m
3. Total BUA: 3,23,204.30 sq.m.</td></tr>
<tr><td></td><td>Salient features Of the Environmental management plans</td><td>• Energy efficient electrical installation for conserving electricity.
• Provision of Rainwater Harvesting to conserve natural water.
• Tree Plantation or Landscaping for green belt development.
• Provision of Energy efficient drives for HVAC system
• Solid Waste Management
• Sewage Treatment Plan (STP) to reuse treated effluent.</td></tr>
<tr><td>7.</td><td>Breakup of the project area
a) Submergence area forest and non-forest
b) Others</td><td>Not Applicable

Project comes under Industrial Area</td></tr>
<tr><td>8.</td><td>Breakup of the project affected population with enumeration of those losing house/dwelling units only agricultural land only. Both dwelling units and agricultural land and landless laborers/artisans:
SC, ST/Adivas</td><td>Not Applicable</td></tr>
<tr><td>9.</td><td>Financial details:
a) Project cost as originally planned and subsequent revised estimates and the year of price reference:

b) Allocation made for environmental management plans with item wise and year wise break-up.</td><td>Existing Rs. 640/- Crores (a)+ Proposed 553 Crores (b) = Rs. 1174 Crore (a + b)

I. Construction Phase: (For Hematolymphoid Block)
<table>
<tr><th>Environmental Protection Measure</th><th>Capital Cost (Rs. in lakhs)</th><th>Recurring Cost Per annum (Rs. in lakhs)</th></tr>
<tr><td>Debris/topsoil Management</td><td>35</td><td>Nil</td></tr>
<tr><td>Toilet for labour + Drinking water + First aid arrangement</td><td>15</td><td>1</td></tr>
</table></td></tr>
</table>

Total	**50**	**1**

II. Operation Phase: (For Hematolymphoid Block)

Environmental Protection Measure	**Capital Cost (Rs. in Lakhs)**	**Recurring Cost Per annum (Rs. in Lakhs)**
Sewage Treatment Plan	--	--
Rainwater Harvesting	--	--
MSW	--	--
Electrical Cost	108	4.89
Landscaping	76.81	52.92
Environment Monitoring	1.0	1.60
Total	**185.81**	**59.41**

II. Construction Phase: (For Hadron beam & RRU)

Environmental Protection Measure	**Total Cost (Rs. in lakhs)**
Debris/top Soil Management	20
Toilet for labour + Drinking water + First aid arrangement	20
Total	**40**

Operation Phase: (For Hadron beam & RRU)

Environmental Protection Measure	**Capital Cost (Rs. in Lakhs)**	**Recurring Cost Per annum (Rs. in Lakhs)**
Solid Waste Management	10	02
Biomedical Waste Management	0	05
Rainwater Harvesting	24.76	1.2
Green Belt	1	0.50
Energy Saving features	40	2.50
Total	**75.76**	**11.2**

III. Construction Phase: (Shanghavi Block)

Environmental Protection Measure	Total Cost (Rs. in lakhs)
Debris / Topsoil management	35
Site sanitation Toilets for labour + Drinking water + First aid arrangement	15
Total	**50**

Operation Phase: (Shanghavi Block)

Environmental Protection Measure	Capital Cost (Rs. in Lakhs)	Recurring Cost Per annum (Rs. in Lakhs/yr)
Sewage Treatment Plan	300	8
MSW	12	2.5
Rainwater Harvesting	20	1
Greeen Belt Development	76.81	52.92
Energy Conservation	153	6.89
Environment Monitoring	1	1.6
Total	**562.81**	**72.91**

IV. Construction Phase: (For NSE & IROC Block)

Environmental Protection Measure	Capital Cost (Rs. in lakhs)	Recurring Cost Per annum (Rs. in lakhs)
Debris/topsoil Management	Nil	4.80
Dust control measures	60.00	6.00
Barricading around site	30.00	1.00
Toilet for labour + Drinking water + First aid arrangement	Nil	10
Health & safety of labourers	00	15.00

Monitoring of environmental parameters	2.54	10.00
Environment monitoring cell	Nil	1.54
Disaster management	200.00	20.00
Total	**291.54**	**68.30**

Operation Phase: (For NSE & IROC Block)

Environmental Protection Measure	**Capital Cost (Rs. in Lakhs)**	**Recurring Cost Per annum (Rs. in Lakhs)**
Sewage Treatment Plant	136	31.60
Effluent Treatment Plant	20.00	5.40
Water treatment plant	60.00	3.50
Solid waste management	9.80	8.00
Rainwater Harvesting	46.30	1.60
Landscape	104.00	1.10
DMP	1068	22.40
Energy saving features	68.00	1.99
Environment Monitoring cell	Nil	2.00
Environment Monitoring	3.0	20.00
Total	**1515.10**	**97.59**

V. Construction Phase: (For Hostel, MLCP, Additional 4 floor Shanghvi & New Animal House)

Environmental Protection Measure	**Total Cost (Rs. in lakhs/Yr)**
Dust suppression measures	10
Site sanitation and Portable Water Supply	10

		Environmental Monitoring: 08 Safety Personal Protective Equipment: 20 Misc.: 07 **Total: 55** **Operation Phase: (For Hostel, MLCP, Additional 4 floor Shanghvi & New Animal House)** **Environmental Protection Measure** / **Capital Cost (Rs. in Lakhs)** / **Recurring Cost Per annum (Rs. in Lakhs/Yr)** STP: 2400 / 84 Solid Waste Management: 100 / 40 Environmental Monitoring: Nil / 04 Rainwater Harvesting: 80 / 05 Green Belt: 80 / 4.00 Energy Saving features: 475 / 10 DMP Cost: 1650 / 95 **Total: 4785 / 242**
	c) Benefit cost ratio/Internal rate of return and the year of assessment:	Not Applicable.
	d) Whether (c) includes the cost of environmental management as shown in the above	Not Applicable.
	e) Actual expenditure incurred on the project so far	Rs. 1302.76 Cr
	f) Actual expenditure incurred on the environmental management plans so far	Rs. 13.56 Cr
10.	**Forest land requirement:** **a) The status of approval for diversion of forest land for non-forestry use**	Not Applicable

	b) The status of cleaning felling **c) The status of compensatory afforestration, if any** **d) Comments on the viability and sustainability of compensatory afforestration programme in the light of actual field experience**	Not Applicable Not Applicable Not Applicable
11.	**The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information**	Not Applicable
12.	**Status of construction** **a) Date of commencement (Actual and/or planned)** **b) Date of completion (Actual and/or planned)**	September 2013 (Actual) September 2028 (Planned)
13.	**Reason for the delay of the project is yet to start**	Disbursement of fund from government
14.	**Dates of site visits**	
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	03/02/2026
	(b) Date of site visit for this monitoring report	Please refer Post Monitoring Report.
15.	**Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits.** **(The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.)**	**EC granted for -** • (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) vide letter No: SEAC 2013/CR-101/TC-1, Dated: 8th April 2013 • Amendment in same on 11th December 2015 • Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" vide No. SEAC 2213/CR 325/TC II Dated: 12th January 2016. • Environmental Clearance for Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) Vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/643; Date: 12.01.2018 • Amended Environmental Clearance for

		Asha Niwas vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/642 Date: 12.01.2018 • Environment Clearance for the Expansion & Amendment vide No. SEIAA-EC-0000000084 Dated 4th May 2017 • Environment Clearance for Addition of one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" in existing ACTREC vide no. SEIAA-EC-0000002065 dated 7th November 2019 • EC No. EC23B039MH160026 Dated 23rd February 2023 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. (EC for TMC Child Care Centre) • EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus, Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House • EC No. EC25B3813MH5368338N Dated 11th September 2025 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Amendment of IROC Building (Hospital) with Service Block, Centre for New Biology and Addition of NSE Building with Service Block).

Ref	EC No. SEAC 2013/CR-101/TC-1; Dated: 8th April 2013 & amendment in same on 11th December 2015
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	EC No. SEIAA-EC-0000000084 Dated 4th May 2017
	EC No. SEIAA-EC-0000002065 dated 7th November 2019
	EC No. EC23B039MH160026 dated 23rd February 2023
	EC No. EC24B039MH110605 dated 6th February 2024
	EC No. EC25B3813MH5368338N Dated 11th September 2025
To	M/s. ACTREC- Tata Memorial Centre
For	1. Existing and Proposed Project (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) at ACTREC, Plot No. 1 & 2, sector 22 at Kharghar, Navi Mumbai.
	2. Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" at plot 1 & 2, sector 22, Kharghar, Navi Mumbai
	3. Proposed construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) on the existing ACTREC campus of Tata Memorial Hospital at Kharghar by M/s. Tata Memorial Centre
	4. Proposed project of Addition of One Dormitory Building 'Asha Niwas' in the existing ACTREC campus of Tata Memorial Hospital at Kharghar by M/s. Tata Memorial Centre
	5. Expansion & Amendment in EC by addition of one structure "Bio Bank" in existing campus of Tata Memorial Hospital by M/s. Tata Memorial Centre
	6. Addition of one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" in ACTREC
	7. Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. (TMC Child Care Centre)
	8. EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House).
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Status	Construction of total 1,69,068 Sq. mt. area is completed out of 2,79,110 Sq. mt. Built up area (FSI + Non FSI).

Specific Conditions

S. No.	SEAC Conditions	Compliance Status
i.	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	We have obtained Plan of approval no. CIDCO/BP-15162/TPO(NM)2024/5725 dt. 18.12.2024. Please refer **Annexure XXII.**

	Department, Govt. of Maharashtra.	
ii.	PP to submit an undertaking signed by PP, Consultant and architect certifying that there is no violation of requirement of EIA notification 2006, amended from time to time	We have submitted an undertaking signed by PP, Consultant and architect certifying that there is no violation during SEIAA meeting. Please refer **Annexure XXII.**
iii	PP to obtain (i) SWM/ Construction and Demolition Waste Management NOC, (ii) Tree NOC. The planning authority shall not grant occupation certificate unless PP obtained all NOCs	Noted, we will obtain NOCs before OCC of the buildings. **Tree NOC:** We have obtained tree NOCs from Panvel Municipal Corporation and NOCs are submitted. Please refer **Annexure XXII & XI.**
iv	PP to ensure that; the requirements of Bio Medical Waste Management Rules, 2016 amended from time to time are followed.	We hereby ensure that, the requirements of Biomedical Waste Management Rules 2016 amended from time to time will be followed. Please refer **Annexure XXII.**
v	PP to provide on liner air quality monitoring system along with the provision of legible display board (Digital) of air quality status on 24x7 basis and include cost in EMP	We have installed liner air quality monitoring system on project site and cost has been included in the EMP.
vi	PP to complete tree plantation within the site during construction phase.	We have already initiated the plantation as per RG layout
vii	PP to dispose all e-waste as per E-waste Management Rules, 2016 and 2022amended time to time.	We hereby commit that the e-waste generated from the project will be handled and disposed of through a government-approved vendor, E-Frontline Recycling Pvt. Ltd., GIDC Panoli, Bharuch, Gujarat. A copy of the acceptance letter and sales order details are submitted herewith. Please refer **Annexure XXII.** Compliance with the E-Waste Management Rules, 2016, and amendments issued in 2022 (as amended from time to time) will be ensured.

S. No.	**SEIAA Conditions**	**Compliance Status**
i.	PP to has provided mandatory RG area of 24000.75 sq.m on mother earth. Local planning authority to ensure the compliance of the same.	Total RG area provided of 25941.75 sq.m on mother earth. Please refer **Annexure XXII.**
ii.	PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide the grass pavers of suitable types & strength of increase the water permeable area as well as to allow effective fire tender movement.	Noted, we will keep open space unpaved so as to ensure permeability of water.

iii.	PP to achieve at least 5% of total energy requirement from solar/other renewal	Noted, please refer **Annexure-XXI**
iv.	In view of Maharashtra Electric Vehicle Policy, 2025, PP to provide electric vehicle D.C charger for 20% of total parking provided, the number of D.C chargers should be worked out as provided in Niti Ayog Handbook of EV charging infrastructure implementation.	We will make provisions of D.C charger for 20% of total parking provided. Provision is consider in ongoing MLCP building.
v.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide	We will comply with the condition
vi.	SEIAA decided to grant EC for FSI - 2,40,007.05 sq.m Non FSI- 83,197.25 sq.m. Total BUA 3,23,204.30 sq.m (Plan Approval No. CIDCO/BP-15162/TPO(NM)2024/5725 dt. 18.12.2024)	Noted.

Construction phase

S. No.	Conditions	Compliance Status
vii.	**This environmental Clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. This environmental Clearance issued with respect to the environmental consideration, and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.**	Yes, we have received Environmental Clearance for – • Radiological Research Unit and Administrative Block - RRU and Centre for Cancer Epidemiology (CCE, Archive and Record Storage) vide letter No: SEAC 2013 / CR 101/TC-1, Dated: 8th April 2013 & • Amendment in same on 11th December 2015 & for Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" vide No. SEAC 2213/CR 325/TC II Dated: 12th January 2016 and • Proposed construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block(RRU)vide CIDCO/ACP(BP/DP/NT)/ EC/2018/643; Date: 12th January 2018 & • Amended EC for proposed project of addition of one Dormitory Building 'Asha Niwas' vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/ 642; Date: 12th January 2018 & • SEIAA-EC-0000000084 Dated 4th May 2017 for Bio Bank and Environment Clearance for Addition of one hospital "Shantilal Shanghvi

		Pediatric Hematolymphoid Cancer Centre" in existing ACTREC vide no. SEIAA-EC-0000002065 dated 7th November 2019. • EC No. EC23B039MH160026 Dated 23rd February 2023 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. (EC for TMC Child Care Centre) • EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House). • EC No. EC25B3813MH5368338N Dated 11th September 2025 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Amendment of IROC Building (Hospital) with Service Block, Centre for New Biology and Addition of NSE Building with Service Block). Copies of Environmental Clearance & Amendment in same are attached as **Annexure - II**.
iii.	**The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.**	The height, Construction built up area of proposed construction will be in accordance with the existing FSI/FAR norms of the urban local body. Plan approved from CIDCO (Plan Approving Authority). Commencement Certificate for CCE Building & RRU Building, Archive & Record Storage Building, Hemato Lymphoid Block, Hadron & RRU, Asha Niwas, Biobank and Sanghvi Block, Hostel & MLCP 1, NSE & IROC is attached as **Annexure - III**. NOC for Height of Civil Aviation Department for Building/ Structure of Plot

		No. 1 & 2 is granted attached a**s Annexure - IV**. NOC received from Fire Department for proposed Hospital Building (Hemato Lymphoid Block) & for Archive & Record Storage Building and Shanghvi Block Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House, NSE & IROC is attached as **Annexure - V.**
ix.	**"Consent for Establishment" Shall be obtain from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be Submitted to the Environmental Department before start any construction work at the site.**	1. Consent to Establish (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) & Expansion of TATA Memorial hospital "Hemato Lymphoid Block" vide No. Format 1.0/ BO/ CAC-Cell/ UAN No. 0000026705/ CAC – 1801000090 Dated: 03/01/2018. 2. Consent to Establish for construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) on the existing ACTREC campus of Tata Memorial Hospital vide No. Format 1.0/ BO/JD(WPC)/UANNo.00000054179/CE /CC -2002000186 dated: 05/02/2020. 3. Renewal of Combined Consent and BMW Authorization (CCA) release by MPCB up to 04.04.2023. 4. Renewal of Combined Consent and BMW Authorization (CCA) release by MPCB on 15.01.2024 validity up to 04.04.2026. 5. Combined Consent to 1st Operate and BMW Authorization (CCA) release by MPCB on 24.08.2025 validity up to 31.08.2026. 6. Combined Consent to Establish (Expansion) & BMW Authorization for Proposed IROC Hospital Building and NSE Multi Specialty Hospital Building release by MPCB on 04.11.2025. All copies are attached as **Annexure - VI.**
x.	**All required sanitary and hygienic measure should be in place before starting construction activities and to be maintained throughout construction phase.**	Right now, the construction of Sanghavi Block is in progress. Following sanitary & hygienic measures are being followed at site. 1. Safe & clean water for workers. 2. Temporary toilets connected to soak

		pit followed by septic tank. 3. Regular medical checkups. 4. Regular disposal of Solid waste to approved landfilling site after segregation and sale of recyclables & inert. 5. Accumulation of stagnant water will be avoided to prevent breeding of mosquitoes. The above measures will be maintained throughout the construction phase.
xi.	**Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.**	Sewage generated from the Centre for cancer Epidemiology (CCE) and Archive and Record Storage are connected to CIDCO sewer network which have STP at the end. Occupation Certificates for Centre for Cancer Epidemiology (CCE), Archive & Record storage, Biobank, RRU, Hematolymphoid and Hadron Project are received & are attached as **Annexure - VII**. Considering existing & proposed Construction of "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre", a centralized STP of 600 KLD capacity is for ACTREC campus and construction work is completed & commissioned. The photograph of STP is enclosed as **Annexure - VIII.** We will take care for proper disposal of Solid waste to approved landfilling site after segregation and sale of recyclables & inert and green belt development. Prior certificates will be obtained from respective authorities.
xii.	**Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.**	Yes, Provision for housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets with drainage connection to existing sewer network, safe drinking water, medical health care, first aid room etc. Please refer enclosed **Annexure - IX** for facilities for labours provided at site.
xiii.	**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 waste generated during the construction phase should be ensured.**	• Yes, safe & clean drinking water is provided through CIDCO to workers. Again, RO plants are installed at site. • Sewage generated from the project is connected to CIDCO sewer network which have STP at the end, the treated water being supplied by CIDCO to

		ACTREC for Horticulture. • The solid waste generated from labour camp being sent to approve landfilling site after segregation and sale of recyclables & inerts. • Other construction waste generated during construction which includes debris, concrete, steel and other metals, bricks, pallets, packaging and paper products, railings, door and window casings, fixtures, tiles, furnishings etc. • Accumulation of stagnant water will be avoided to prevent breeding of mosquitoes. • Drinking Water Analysis is Carried Out regularly. Please refer Post monitoring report. **Construction Waste Management:** Material wastes like bricks, cement etc. will be used as fill material and concrete would be recycled and reused at the site. An adequate facility for storage of waste materials will be made on site.
xiv.	**The solid waste generated should be properly collected and segregated. Dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.**	• Total Non – Hazardous Solid waste generated at the site is 110.50 Kg/Day for existing and 788.5 Kg/Day for proposed facility which include Construction debris, Dry Waste, Wet Waste & STP Sludge (Dry Sludge) **For Biobank-** Dry-Existing: 187.5 Proposed: 0.75 Wet-Existing: 187.5 Proposed: 0.5 • STP Sludge: (Dry Sludge): 0.2 Kg/Day For Biobank-0.1 Kg/Day • Biomedical Waste generation is 1000 Kg/ Month (33.33 Kg/Day) for existing & 6610.75 Kg/month from proposed facility. For Biobank-Existing: 4602.75 Proposed: N.A. • Hazardous waste: 8 Kg/Day Approx. **For Shanghvi Block -** Dry-Existing: 95.2 Wet-Existing: 74.8 • STP Sludge: (Dry Sludge): 25 Kg/Day • Biomedical Waste generation is 180Kg/day. • Hazardous waste: As per generation. **Disposal of Solid Waste:**

		• The construction debris will be utilized for filling and leveling of ground.
		• Metal waste will be disposed for recycling through scrap dealers.
		  • The solid waste generated due to packaging material will be preferably recycled and /or reused.
		  • Dry waste: - segregation and sale of recyclables, inerts to approved landfill site.
		• Wet waste: - biodegradable waste to compost.
		• STP Sludge (Dry Sludge): mix with wet waste and convert that into compost.
		• Biomedical Waste: - Biomedical waste will be sent to nearest Common Biomedical Waste Treatment and Disposal facility (CBMWTSDF) Authorized by MPCB.
		• Hazardous Waste: Will be send to authorized Pre-processor

xv.	**Wet garbage 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. Local authority should ensure this.**	Wet garbage generated from the construction of the building will be treated in Nisargruna Biogas Plant provided at the ground level in the premises. The manure thus generated will be used for gardening. Photographs and details of Nisargruna biogas plant are enclosed as **Annexure - X.**
xvi.	**Arrangement shall be made that wastewater and storm water do not get mixed.**	Yes, Separate drainage line is provided to prevent mixing of wastewater and storm water.
xvii.	**All the topsoil excavated during construction activities should be stored for use in horticulture landscape development within the project site.**	Yes, at CCE, RRU, Hematolymphoid & Sanghavi Block topsoil used for maintaining green belt development. At other buildings where works are in progress, all the topsoil and construction debris will be used for maintaining green belt development and filling the plot respectively.
xviii.	**Additional soil for leveling 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.**	Soil received from excavation in foundation is utilized for the leveling.
xix.	**Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agricultural Dept.**	Green belt development will be carried out as per CPCB guidelines. Currently, Green belt development is done at Hadron and Asha Niwas Building. Please refer **Annexure - XI** for green belt developed within site.
xx.	**Disposal of muck during construction**	• Total Non – Hazardous Solid waste

<table>
<tr><td></td><td>phase should be create any adverse effect on the neighboring communities and be disposed taking the necessary precaution for general safety and health aspects of people, only in approval sites with the approval of competent authority.</td><td>generated at the site from existing/proposed facility which include Construction debris, Dry Waste, Wet Waste & STP Sludge (Dry Sludge)
• 610 cu.m. top soil out of 990 cu.m. preserved topsoil is used for landscape development at Hematolymphoid Block.
<table><tr><th>Waste Generation</th><th>Existing</th><th>Proposed Hematolymphoi Block and Hadron & RRU) & Asha Niwas</th></tr><tr><td>Non-Biodegradable</td><td>55.25 kg/day</td><td>600.74 kg/day</td></tr><tr><td>Bio-degradable waste</td><td>55.25 kg/day</td><td>477.56 kg/day</td></tr><tr><td>STP Sludge</td><td>0.1 kg/day</td><td>0.1 kg/day</td></tr></table>Disposal of Solid Waste:
• The construction debris will be utilized for filling the plot and maintaining the natural slope.
• Dry waste: segregation and sale of recyclables, inert to approved landfill site.
• Wet waste: biodegradable waste to compost.
• STP Sludge (Dry Sludge): mix with wet waste and convert that into compost, used as manure.</td></tr>
<tr><td>xxi.</td><td>Soil & 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.</td><td>Yes, the soil sample monitoring is carried out through MoEF recognized laboratory regularly and the reports are submitted to the ministry.

Post Monitoring Reports are attached as Annexure – I.</td></tr>
<tr><td>xxii.</td><td>Constructions spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.</td><td>There is no generation of any bituminous material or any hazardous material at the site till date & if generated will be disposed as per the MPCB norms.</td></tr>
</table>

xxiii.	**Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution control Board.**	There is no generation of Hazardous waste at the Complex till date, if generated will be disposed as per MPCB norms. Waste generation in Operational Phase: Biomedical waste generation • For RRU & CCE: 1000 Kg/Month • For Hardon & RRU: 2008 Kg/Day • For Hemato Lymphoid Block: Hazardous waste generation- 8 Kg/Day approx. + Biomedical Waste generation- 1000 Kg/Month • For Asha Niwas: Existing: Existing- 4602.75 Proposed- NA • For Bio Bank: Existing- 4602.75 Proposed- NA • For Shanghavi Block: Existing- 2194.76 kg/day + Proposed- 180 kg/day Biomedical waste generated from proposed facility (Hadron Beam (Proton therapy) & Radiological Research Unit and Administration Block – RRU) and Centre Epidemiology (CCE, Archive and Record Storage), Hematolymphoid block and Shanghvi Block will be disposed off to the nearest Common Biomedical Waste Treatment and Disposal Facility (CBMWTSDF) authorized by MPCB.
xxiv.	**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.**	Yes, list of DG sets will be operated only during power failure during operation phase & will be provided with enclosure. Diesel generating sets will be of low sulphur diesel type as per environments (Protection) Rules prescribed for air and noise emission standards. **Operation Phase:** • Hematolymphoid Block - 2 nos. of DG × 1500 KVA • RRU - 2 Nos. of DG sets × 625 • Hadron - 2 Nos. of DG sets × 2000 KVA • Sanghvi Block - 3 Nos. of DG sets x 1250 KVA • Bio bank - 1 No. of DG set of x 50 KVA Other buildings: 2 Nos – 500 KVA, 2 Nos - 320 KVA, 4 Nos – 910 KVA, 1 No – 2000 KVA, 3 Nos- 500 KVA. Photographs of DG sets are enclosed as **Annexure - XII.**
xxv.	**The diesel required for operating DG**	AS per norms, 990 litre day tank is

	sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	provided with each DG set.
xxvi.	**Vehicle hired for bringing construction material to the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non- peak hours.**	Right now, the construction of Sanghavi Block is in progress. The vehicles hired for bringing construction material such as concrete, sand, cement etc. at site will have valid PUC. All vehicles are less than 8 years old only. The vehicles used for bringing construction material will be operated only during non-peak hours.
xxvii.	**Ambient noise levels should be conform to residential standards both during day & night Incremental pollution loads on the ambient air & 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.**	Yes, the Ambient Noise & Ambient Air monitoring will be regularly carried out at the boundary wall of the premises as per environmental protection act 1986. Please refer Annexure – I for post monitoring reports. **Following measures will be taken to reduce load on Ambient Noise & Air:** ▪ Temporary barricades will erect around the premises. ▪ The noise generating activities will carried out only during daytime. ▪ High noise generating machineries will provide with noise reducing measure. ▪ Transportation of the construction material will be carried out during daytime. ▪ Separate Entry & exist for the construction vehicles will provided.
xxviii.	**Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27thAugust, 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations).**	Project site is not located within 100 km of Thermal Power stations. However, fly ash is being utilizing in ready mix concrete.
xxix.	**Ready mixed concrete must be used in building construction.**	Yes, Condition is noted. Ready mix concrete was used for the construction of CCE, Archive & Record storage and Biobank, of which construction works completed. It is being used for the ongoing construction works of Hematolymphoid Block, RRU, Hadron and Asha Niwas and will be used for proposed Construction of Sanghvi Block.
xxx.	**The approval of component authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment etc. as per National building**	Yes, we have received approval for Construction of Centre for Cancer Epidemiology (CCE) from RCC Consultant for structural safety of the building due to any possible earthquake, adequacy of fire-

	Code including measures from lighting.	fighting equipment's etc. as per National Building Code including protection measures form lighting etc. Construction of Centre for Cancer Epidemiology (CCE), Archive & Record Storage building, Biobank, Hadron, Asha Niwas & Hematolymphoid Block are completed. Structural stability certificates are enclosed as **Annexure - XIII.**
xxxi.	**Storm water control and its re-use as per CGWB and BIS standards for various applications.**	The harvested rainwater will be used for secondary purposes such as flushing and gardening. Detailed drawing of storm water drainage pattern and details of rainwater harvesting system at site are enclosed as **Annexure - XIV.**
xxxii.	**Water demand during construction should be reduced by use of pre – mixed concrete, curing agents and other best practices referred.**	Following best practices are being followed at site to reduce water demand. 1) Pre-mixed concrete i.e. RMC concrete is being used at site. 2) Curing is being done at site by sprinkling water over hessian cloth.
xxxiii.	**The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.**	Yes, Ground water level and quality will be monitored regularly through MoEF recognized laboratory.
xxxiv.	**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 ministry 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.**	At ACTREC campus, installation of 600 KLD capacity STP is completed and the treated water is supplied for Horticulture purpose. Considering on-going project of Construction of "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre", a centralized STP of 600 KLD capacity for ACTREC campus is completed **certified by an independent expert copy enclosed** as **Annexure - VIII.** At ACTREC campus, installation of 1 KLD capacity ETP is completed and the treated water is supplied for Horticulture purpose. **Enclosed** as **Annexure – VIII.**
xxxv.	**Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.**	Yes. we have received Occupation Certificates for Centre for Cancer Epidemiology (CCE), Archive & Record storage, Biobank, Hadron, Aasha Niwas, RRU and Hematolymphoid Block. Copies of same are enclosed as Annexure – VII.
xxxvi.	**Permission to draw ground water shall**	To draw ground water for construction

	be obtained from the Competent Authority prior to construction / operation of the project.	purpose, necessary permission will be obtained.
xxxvii.	**Separation of grey and black water should be done by the use of duel plumbing line for separation of grey and black water.**	Yes, dual plumbing line are designed and constructed at CCE, Archive, Record Storage Building, Hematolymphoid Block, RRU, Hadron and Asha Niwas Building for separation of grey and black water. For Sanghvi Block, dual plumbing lines will be designed and provided.
xxviii.	**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.**	Yes, Fixtures of showers, toilets, flushing and drinking are of low flow by the use of aerators, pressure reducing valve & sensor-based control at CCE, Archive & Record Storage and Hadron Building. And, at other buildings i.e. Hematolymphoid Block, RRU, and Asha Niwas & Proposed Shanghvi Block it is considered and will be provided during construction.
xxxix.	**Use of glass may be reduced up to 40 % to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.**	Yes. Use of glass is restricted to minimum requirement.
xl.	**Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.**	Yes. Underdeck insulation is provided at terrace slab level at CCE, Hematolymphoid Block, RRU and at AHU rooms at first floor of Hadron Building. It will be provided at other buildings too as per the prescriptive requirement as per Energy Conservation Building code.
xli.	**Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar streetlights, common solar water heater system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of**	Yes, the condition is noted & is complied at CCE Building by providing solar operated street lighting system at entrance. At Hadron Building, following Energy conversation measures are considered in design and accordingly work is completed. a. Solar power panel b. LED lighting system c. LED street lighting d. Energy efficient drives At Hematolymphoid Block & RRU, following Energy conversation measures are considered in design and accordingly work is completed. a. LED lighting system

	energy.	b. LED street lighting c. Energy efficient drives Energy Conservation Measures at Shanghvi Block a. Use of LED for Lighting b. Use of LED for Stair-case c. Use of BEE 5-star certified appliance for normal power d. Use of energy star rated Computers / Equipments for Computer Power e. Use of BEE Certified Motors for AHU Load f. Use of High Cop Chillers with VFD for HVAC chillers g. Use of EFF-1 Motors, Variables Speed Pumping System for HVAC Pumping h. Use of BEE Certified Motors for Medical Equipment & bed head panel i. Use of Group controls and Variable speed drives for Lifts j. Use of Daylight based controls + LED light fitting for Street Light Use of Daylight based controls + LED light fitting for landscape lighting k. Use of High Efficiency heat pumps for Hot water system l. Use of CO sensors and VFD Fans for Ventilation & exhaust system m. Maximum saving due to Solar Water Heating system n. Maximum saving due to Solar PV cells
xlii.	**Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operational phase should be of enclosed type and conform to rules made under the environment (Protection) Act, 1986. The height of stack of D.G. sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG Sets may be decided with in consultation with Maharashtra Pollution Control Board.**	Yes, DG sets are operated only during power failure & are being provided with enclosure.
xliii.	**Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the**	Yes. Regular Noise Monitoring is carried out by MoEF recognized laboratory. Post monitoring reports are attached as

	building shall be restricted to the permissible levels to comply with the prevalent regulations.	Annexure - I.
xliv.	**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.**	Parking is fully internalized to avoid traffic congestion. Parking details for Hadron are as follows: • 2-wheeler: 4 nos. • 4-wheelers: 47 nos. Public transport: 02 vehicles for approx. 100 staff. Width of all Internal roads: main road = 11.00 m (both lane) + footpath on both sides, secondary roads= 6.0 m (lane). **For Hematolymphoid Block:** • 2-wheeler: 08 nos. • 4-wheelers: 90 nos. • Total area for car parking: 2300 Sq.m. • Type of parking: OPEN • Area per car including driveway provided for car parking: 25.5 Sq.m. • Width of all Internal roads (m): 9.00 mts /6.00 mts /5.00 mts driveway **For Asha Niwas:** Total Parking area: 437 sq.m. Area per car: 12.5 sq.m. No. of 4 wheelers approved: 159 **TMC Childcare Center** • 2-wheeler: 330 nos. • 4-wheelers: 90 nos.
xlv.	**Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air- conditioned spaces while it is aspirational for non – air- conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.**	The walls will meet all prescriptive requirements as per Energy Conservation Building Code.
xlvi.	**The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air, and ventilation**	Yes, buildings are constructed in with adequate distance between them to allow movement of fresh air and passage of light to the residential premises
xlvii.	**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.**	Yes, above condition is complied with. Regular monitoring of various environmental parameters is carried out. Please refer post monitoring reports attached with compliance as Annexure – I.

xlviii.	**Under the provision of Environmental (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.**	We have received Environmental Clearance from ministry for – • Radiological Research Unit and Administrative Block - RRU and Centre for Cancer Epidemiology (CCE, Archive and Record Storage) vide letter No: SEAC 2013 / CR 101/TC-1, Dated: 8th April 2013 & • Amendment in same on 11th December 2015 & for Expansion of TATA Memorial Hospital "Hemato Lymphoid Block" vide No. SEAC 2213/CR 325/TC II Dated: 12th January 2016 and • Proposed construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) vide CIDCO/ACP(BP/DP/NT)/ EC/2018/643; Date: 12th January 2018 & • Amended EC for proposed project of addition of one Dormitory Building 'Asha Niwas' vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/ 642; Date: 12th January 2018 & • SEIAA-EC-0000000084 Dated 4th May 2017 for Bio Bank and Environment Clearance for Addition of one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" in existing ACTREC vide no. SEIAA-EC-0000002065 dated 7th November 2019. • EC No. EC23B039MH160026 Dated 23rd February 2023 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. (EC for TMC Child Care Centre) • EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha

		Nivas), additional four floors of Shantilal Sanghavi, New Animal House). • EC No. EC25B3813MH5368338N Dated 11th September 2025 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Amendment of IROC Building (Hospital) with Service Block, Centre for New Biology and Addition of NSE Building with Service Block).
xlix.	**Six monthly monitoring reports should be submitted to the Department and MPCB.**	Yes, we are submitting Six monthly environmental clearance compliance reports to Department and MPCB regularly. Ack copy of last six-monthly compliance report submitted for period Jan 2025 to June 2025 is enclosed herewith as **Annexure- XVIII.**
l.	**A complete set of all the documents submitted to Department should be forwarded to the MPCB**	Yes, a complete set of all the documents submitted to MoEF shall be forwarded to MPCB.
li.	**In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.**	Yes, in the case of any change(s) in the scope of the project, fresh appraisal will be taken.
lii.	**A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.**	Yes, separate environment management cell will be set up for implementation of the stipulated environmental safeguards. **Annexure - XX.**
liii.	**Separate funds shall be allocated for implementation of environmental protection measures EMP along with item – wise breakup. These cost shall be included as part of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB & this department.**	Separate funds are maintained for Environment Management Plan. Please refer Environment Management Plan for Hematolymphoid Block, Hadron & RRU, Asha Niwas and Sanghvi Block enclosed as **Annexure - XVI.**
liv.	**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**	Yes, we have published the advertisement in two local newspapers. Same is attached as **Annexure - XVII**.

	Board and may also be seen at Website at http://ec.maharashtra.gov.in.	
lv.	**Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.**	Half yearly compliance reports are submitted to the MPCB & concerned department.
lvi.	**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.**	Noted.
lvii.	**The proponent shall also submit six monthly reports on 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, NOx (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.**	Yes, monitoring at the site is carried out through MoEF recognized Laboratory regularly. Please refer Annexure – I.
lviii.	**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.**	Yes, we are submitting Six monthly environmental clearance compliance report regularly. Ack copy of last six-monthly compliance report submitted for period January 2025 to June 2025 is enclosed herewith as **Annexure- XVIII.**
lix.	**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 condition and shall also be sent to the respective**	Yes, Environment statement is submitted to MPCB Portal according to the condition in consent is enclosed herewith as **Annexure - XV.**

	Regional Office of MoEF by e-mail.	
Additional Conditions as per Environmental Clearance vide No. SEAC 2213/CR 352/TC II		
i.	**This environmental clearance is issued subject to land use verification. Local authority/ planning authority should ensure this with respect to Rules, Regulations, notifications, Government Resolutions, Circular etc. issued if any. Judgements/ orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.**	Yes, above condition is noted. • We have already received Environmental Clearance wide letter no. SEAC 2013/CR-101/TC-1; Dated: 8th April 2013 & amendment in same on 11th December 2015. • Expansion in EC for Hemato Lymphoid Block is received vide letter SEAC 2213/CR 352/TC II dated 12th January 2016. • Proposed construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) vide CIDCO/ACP(BP/DP/NT)/ EC/2018/643; Date: 12th January 2018. • Amended EC for proposed project of addition of one Dormitory Building 'Asha Niwas' vide No. CIDCO/ACP(BP/DP/NT)/EC/2018/642; Date: 12th January 2018 & SEIAA-EC-0000000084 Dated 4th May 2017 for Bio Bank. • Environment Clearance for Addition of one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" in existing ACTREC vide no. SEIAA-EC-0000002065 dated 7th November 2019. • EC No. EC23B039MH160026 Dated 23rd February 2023 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus. (EC for TMC Child Care Centre) • EC No. EC24B039MH110605 Dated 6th February 2024 for Environment Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Addition of Mortuary Room, Multipurpose Hall, Hostel Building, MLCP 1, Substation for Hostel Building, Substation (Asha Nivas), additional four floors of Shantilal Sanghavi, New Animal House). • EC No. EC25B3813MH5368338N Dated 11th September 2025 for Environment

		Clearance for Proposed Development of Existing layout of Tata Memorial Centre ACTREC campus (Amendment of IROC Building (Hospital) with Service Block, Centre for New Biology and Addition of NSE Building with Service Block).
ii.	**E- waste shall be disposed through Authorized vendor as per E – waste (management and handling) Rules, 2011**	Not Applicable, No E- waste will be generated from the proposed project. If generated any will be disposed off as per E – waste (management and handling) Rules, 2011.
iii.	**This environmental Clearance is issued subject to utilization of excess treated water.**	Yes, Total water requirement for existing & proposed expansion is enclosed as **Annexure - XIX.**
iv.	**Occupation Certificate shall be issued to the project only after ensuring availability of drinking water and connectivity of the sewer line to the project site.**	Yes, Occupation Certificate will be obtained only after ensuring availability of drinking water and connectivity of the sewer line to the project site.
v.	**Provide reserve parking at least three ambulances near the entrance, one for fire tender and one for physically challenged persons**	Reserve parking is provided for three ambulances near main entrance and one for fire tender one for physically challenged persons.
vi.	**PP has to abide by the conditions stipulated by SEAC & SEIAA.**	Yes, all conditions mentioned will be followed by PP.
vii.	**Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the building. 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 in Para 2. Prior certification from appropriate authority shall be obtained.**	Existing Sewage generation is about 108.14 m^3. Additional sewage generated from proposed hospital facility (Hematolymphoid Block) will be about 160 m^3 and 100 m^3 from the project Hadron & RRU, will be connected to CIDCO Sewer network which have STP at the end, the treated water shall be supplied by CIDCO to ACTREC for gardening. In addition, 600 KLD capacity STP is commissioned at ACTREC campus. Solid waste generated from existing Hospital facility will be sent to approved landfilling site after segregation and sale of recyclables & inert regularly. Considering on-going projects as well as proposed Construction of "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre", a centralized STP of 600 KLD capacity for ACTREC campus and now the construction work is completed and commissioned.

<table>
<tr><td></td><td></td><td></td></tr>
<tr><td>viii.</td><td>Wet garbage 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. Local authority should ensure this.</td><td>Yes, Total waste generation in the pre-construction and construction phase:
<table>
<tr><th>Waste Generation</th><th>Existing</th><th>Proposed (Hematolymphoid Block and Hadron & RRU)</th><th>roposed St jude</th><th>ropose d Shan ghvi Bloc k</th></tr>
<tr><td>Non-Biodegradable</td><td>55.25 kg/day</td><td>513.8 kg/day</td><td>75.2 kg/day</td><td>95.2 kg/day</td></tr>
<tr><td>Bio-degradable waste</td><td>55.25 kg/day</td><td>274.7 kg/day</td><td>50.2 kg/day</td><td>74.8 kg/day</td></tr>
<tr><td>STP Sludge</td><td>0.1 kg/day</td><td>0.1</td><td>10.1 kg/day</td><td>25 kg/day</td></tr>
</table>
Mode of disposal:
• Dry Waste: Segregation and sale of recyclables, inserts to approved landfill site
• Wet Waste: Wet garbage generated from the construction of the building will be treated in vermiculture plant provided at the ground level in the premises. The manure thus generated will be used for gardening.
• STP Sludge (Dry Sludge): Used as manure.</td></tr>
</table>

19/02/2026

Mr. Satish K. Bhangale
Engineer-In-Charge, Civil
TMC-ACTREC, Kharghar

(Page No. 1 to 32)

List of Annexures

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Annexure – III	Commencement Certificate
Annexure – IV	Civil Aviation NOC
Annexure – V	Fire NOC
Annexure – VI	Consent to Establish
Annexure – VII	Copy of Occupation Certificate
Annexure – VIII	Photographs of STP
Annexure – IX	Facilities provided at site for Labourers
Annexure – X	Photographs of Nisarguna Biogas Plant
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Annexure – XV	Environmental Statement
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Annexure – XIX	Total Water Requirement
Annexure – XX	Environment Management Cell
Annexure – XXI	Energy Saving Plan
Annexure – XXII	Other Miscellaneous Documents

Aavanira Biotech (P) Ltd. Kinetic Innovation Park, D-1 Block, Plot No. - 18/1 Part,
MIDC Chinchwad, Pune - 411 019. Maharashtra, India.
■ Tel.: 8308805200 / 8446000118, ■ E-mail : info@aavanira.com, ■ Web : www.aavanira.com
CIN NO. U74900PN2010PTC137544

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Ambient Air Quality Monitoring Report

Report No. AB/ACT/12/2025-26/144

Client Details Name & Address: Advanced Centre for Treatment, Research & Education in Cancer (ACTREC) / Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	Sample Code	AB/ACT/12/2025-26/144			
	Sample Name /Location	Near Main Gate			
	Sample Type	Ambient Air			
	Method of Sampling	IS:5182 &CPCB Manual-(NAAQMS 36/2012-13)			
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,			
	Sample Collected On	12/12/2025			
	Sample Received on Date	13/12/2025			
	Sample Condition / Description	Liquids of 30 ml in Sealed & intact plastic Containers, Filter Papers in sealed case.			
	Analysis Date	13/12/2025 to 19/12/2025			
	Analysis Done At	Aavanira Biotech Pvt Ltd			
	Reporting Date	19/12/2025			
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting				
Ambient Temperature	30.8°C	Relative Humidity(RH)	50 %		
Sampling Duration	08 Hrs.				
Time of Sampling	10:45 a.m. to 06:45 p.m.				

Sr. No.	Parameter	Results	Units	NAAQ Standards	Standard Method
1.	Particulate Matter (PM_{10})	66.84	$\mu g/m^3$	≤ 100	IS 5182 Part 23 : 2006 (R.A.:2022)
2.	Particulate Matter ($PM_{2.5}$)	25.92	$\mu g/m^3$	≤ 60	IS 5182 Part 24 : 2019(R.A.:2024)
3.	Sulphur Dioxide (SO_2)	18.8	$\mu g/m^3$	≤ 80	IS 5182 Part 2 : 2001 (R.A.:2023)
4.	Oxides of Nitrogen (NOx)	20.2	$\mu g/m^3$	≤ 80	IS 5182 Part 6 : 2006 (R.A.:2022)
5.	Carbon Monoxide (CO)	0.58	mg/m^3	≤ 04 (1 Hr.)	IS 5182 Part 10 : 1999(R.A.:2024)

Statement of Conformity: The above mentioned test results are complies with prescribed National Ambient Air Quality Standards (NAAQS: 2009) limits.

AAVANIRA BIOTECH (P) LTD. PUNE

Verified & Reviewed by– Quality Manager

Authorized by – TM (Chem.)

i) Results relate only to the items tested.

ii) Report shall not be reported except in full without approval of the laboratory.

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Ambient Air Quality Monitoring Report — Report No. AB/ACT/12/2025-26/145

Client Details Name & Address:		
Advanced Centre for Treatment, Research & Education in Cancer (ACTREC) / Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	Sample Code	AB/ACT/12/2025-26/145
	Sample Name /Location	Near CCE Building
	Sample Type	Ambient Air
	Method of Sampling	IS:5182 &CPCB Manual-(NAAQMS 36/2012-13)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample Collected On	12/12/2025
	Sample Received on Date	13/12/2025
	Sample Condition / Description	Liquids of 30 ml in Sealed & intact plastic Containers, Filter Papers in sealed case.
	Analysis Date	13/12/2025 to 19/12/2025
	Analysis Done At	Aavanira Biotech Pvt Ltd
	Reporting Date	19/12/2025
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	
Ambient Temperature	30.5°C	Relative Humidity(RH) 49 %
Sampling Duration	08 Hrs.	
Time of Sampling	11:00 a.m. to 07:00 p.m.	

Sr. No.	Parameter	Results	Units	NAAQ Standards	Standard Method
1.	Particulate Matter (PM_{10})	62.15	$\mu g/m^3$	≤ 100	IS 5182 Part 23 : 2006 (R.A.:2022)
2.	Particulate Matter ($PM_{2.5}$)	22.45	$\mu g/m^3$	≤ 60	IS 5182 Part 24 : 2019(R.A.:2024)
3.	Sulphur Dioxide (SO_2)	16.3	$\mu g/m^3$	≤ 80	IS 5182 Part 2 : 2001 (R.A.:2023)
4.	Oxides of Nitrogen (NOx)	18.5	$\mu g/m^3$	≤ 80	IS 5182 Part 6 : 2006 (R.A.:2022)
5.	Carbon Monoxide (CO)	0.32	mg/m^3	≤ 04 (1 Hr.)	IS 5182 Part 10 : 1999(R.A.:2024)

Statement of Conformity: The above mentioned test results are complies with prescribed National Ambient Air Quality Standards (NAAQS: 2009) limits.

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Source Emission Monitoring Report

Report No. AB/ACT/12/2025-26/146

Client Details Name & Address: Advanced Centre for Treatment, Research & Education in Cancer (ACTREC) / Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	Sample Code	AB/ACT/12/2025-26/146
	Sample Name /Location	DG Set No. 1 - 625 KVA
	Sample Type	Stack
	Method of Sampling	IS:11255 & CPCB Manual (LATS/80/2013-2014)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample Collected On	12/12/2025
	Sample Received on Date	13/12/2025
	Sample Condition / Description	Liquids of 30 ml in Sealed & intact plastic containers, Thimble Paper in sealed case.
	Analysis Date	13/12/2025 to 19/12/2025
	Analysis Done At	Aavanira Biotech Pvt Ltd
	Reporting Date	19/12/2025
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	
Sampling Duration	30 Mins.	
Time of Sampling	02:20 p.m.	

Stack Details

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height	15.0	mtr.
3	Type of Stack	Round	--
4	Fuel Type	H.S.D.	--
5	Flue Gas Temperature	458	°K
6	Differential Pressure	10.7	mmWG
7	Velocity	14.31	m/s
8	Diameter of Stack	0.1524	mtr.
9	Stack Area	0.01823	m^2
10	Gas Volume	611.08	Nm^3/Hr

TEST PARAMETERS

Sr. No.	Parameter	Results	Units	Limits as per MPCB	Standard Method
1	Particulate Matter (TPM)	88.65	mg/Nm^3	≤ 150	IS 11255 Part 1:1985(R.A.:2024)
2	Sulphur Dioxide(SO_2)	87.32	mg/Nm^3	--	IS 11255 Part 2:1985(R.A.:2024)
		1.28	Kg/day	--	
3	Oxides of Nitrogen(NOx)	4.18	mg/Nm^3	--	IS 11255 Part 7:2005(R.A.:2022)

Statement of Conformity: The above mentioned test results are complies with MPCB Consent limits.

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Verified & Reviewed by– Quality Manager

Authorized by – TM (Chem.)

i) **Results relate only to the items tested.**

ii) **Report shall not be reported except in full without approval of the laboratory.**

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Source Emission Monitoring Report

Report No. AB/ACT/12/2025-26/147

Client Details Name & Address: Advanced Centre for Treatment, Research & Education in Cancer (ACTREC) / Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	Sample Code	AB/ACT/12/2025-26/147
	Sample Name /Location	DG Set No. 2 - 625 KVA
	Sample Type	Stack
	Method of Sampling	IS:11255 & CPCB Manual (LATS/80/2013-2014)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.,
	Sample Collected On	12/12/2025
	Sample Received on Date	13/12/2025
	Sample Condition / Description	Liquids of 30 ml in Sealed & intact plastic containers, Thimble Paper in sealed case.
	Analysis Date	13/12/2025 to 19/12/2025
	Analysis Done At	Aavanira Biotech Pvt Ltd
	Reporting Date	19/12/2025
Sample returned /stored	Stored at 4°C for 1 week from the date of reporting	
Sampling Duration	30 Mins.	
Time of Sampling	03:00 p.m.	

Stack Details

Sr. No.	Particulars	Details	Unit
1	Material of Stack	MS	--
2	Stack Height	15.0	mtr.
3	Type of Stack	Round	--
4	Fuel Type	H.S.D.	--
5	Flue Gas Temperature	463	^{o}K
6	Differential Pressure	11.2	mmWG
7	Velocity	14.72	m/s
8	Diameter of Stack	0.1524	mtr.
9	Stack Area	0.01823	m^2
10	Gas Volume	621.81	Nm^3/Hr

TEST PARAMETERS

Sr. No.	Parameter	Results	Units	Limits as per MPCB	Standard Method
1	Particulate Matter (TPM)	80.36	mg/Nm^3	≤ 150	IS 11255 Part 1:1985(R.A.:2024)
2	Sulphur Dioxide(SO_2)	77.48	mg/Nm^3	--	IS 11255 Part 2:1985(R.A.:2024)
		1.16	Kg/day	--	
3	Oxides of Nitrogen(NOx)	3.98	mg/Nm^3	--	IS 11255 Part 7:2005(R.A.:2022)

Statement of Conformity: The above mentioned test results are complies with MPCB Consent limits.

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DG Insertion Loss Monitoring Report

Report No. AB/ACT/12/2025-26/148

Client Details Name & Address:		
Advanced Centre for Treatment, Research & Education in Cancer (ACTREC)/ Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	Sample Code	AB/ACT/12/2025-26/148
	Sample Type	DG Insertion Loss Noise
	Method of Sampling	IS : 4758 (RA:2017)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.
	Sample Collected On	12/12/2025
	Reporting Date	19/12/2025

Sr. No.	Test Location	DG ON (Open) Door 0.5 Meter away	DG ON (Closed Door 0.5 Meter away)					For Insertion Loss	Unit
			N1	N2	N3	N4	Avg.		
1.	DG Set No. 1 - 625 KVA	99.7	74.5	74.3	74.2	73.9	74.2	25.5	dB(A)
	DG Set No. 2 - 625 KVA	99.5	74.2	74.0	73.8	73.7	73.9	25.6	dB(A)

Statement of Conformity: The acoustic enclosure /acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss for meeting the ambient noise standards, whichever is on higher side. Above results are Complies with MPCB limits

AAVANIRA BIOTECH (P) LTD. PUNE

Verified & Reviewed by– Quality Manager

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Ambient Noise Monitoring Report Report No. AB/ACT/12/2025-26/149

Client Details Name & Address: Advanced Centre for Treatment, Research & Education in Cancer (ACTREC)/ Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210		
	Sample Code	AB/ACT/12/2025-26/149
	Sample Type	Ambient Noise
	Method of Sampling	IS:9876 (RA:2001)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.
	Sample Collected On	12/12/2025
	Reporting Date	19/12/2025

Sr. No.	Test Location	Reading (Day Time)	Unit
01	Near Main Gate	49.8	dB(A)
02	Near CCE Building	48.4	dB(A)

Sr. No.	Category of Area	Limits dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	<75	<70
B	Commercial Area	<65	<55
C	Residential Area	<55	<45
D	Silence Zone	<50	<40

Note: 1 Day Time shall mean from 06:00 am. to 10:00 pm.
Note: 2 Night Time shall mean from 10:00 pm. to 06:00 am.

Statement of Conformity: Limits: Maharashtra Pollution Control Board has prescribed 75 dB (A) as an upper limit of Noise Level during day time. Above results are complies with the prescribed limits by MPCB.

AAVANIRA BIOTECH (P) LTD. * PUNE *

Verified & Reviewed by– Quality Manager

Authorized by – TM (Chem.)

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ENalyse*

Workzone Noise Monitoring Report

Report No. AB/ACT/12/2025-26/150

Client Details Name & Address:		
Advanced Centre for Treatment, Research & Education in Cancer (ACTREC)/ Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	Sample Code	AB/ACT/12/2025-26/150
	Sample Type	Workzone Noise
	Method of Sampling	IS : 4758 (RA:2017)
	Sample Collected By	Aavanira Biotech Pvt. Ltd.
	Sample Collected On	12/12/2025
	Reporting Date	19/12/2025

Sr. No.	Test Location	Reading	Unit	Limit As per The Factories Act, 1948
1	PS Building	71.8	dB(A)	<90
2	Shanti Sadan	63.5	dB(A)	<90

Statement of Conformity: The Factories Act, 1948, has prescribed 90 dB (A) as an upper limit of noise level for 8 hours exposure. Above results are within The Factories Act, 1948 limits.

AAVANIRA BIOTECH (P) LTD. * PUNE *

Verified & Reviewed by– Quality Manager

Authorized by – TM (Chem.)

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Test Report

REPORT NO.- AB/ACT/12/2025-26/151

Client Details Name & Address: Advanced Centre for Treatment, Research & Education in Cancer (ACTREC)/ Tata Memorial Centre (TMC). Plot - 1 & 2, Sector - 22 Kharghar, City of Panvel- 410210	**Sample Code**	AB/ACT/12/2025-26/151
	Sample Name	Drinking Water – PS Building (Morgan Stanley)
	Sample Type	Drinking Water
	Method for Sampling	IS:17614:Part 1
	Sample Collected By	Aavanira Biotech Pvt Ltd
	Sample Collected On	12/12/2025
	Sample Received on Date	13/12/2025
	Sample Condition/Description	Received in 1 liter sealed & intact Plastic Container
	Analysis Date	13/12/2025 to 19/12/2025
	Analysis Done At	Aavanira Biotech Pvt Ltd
	Reporting Date	19/12/2025
Sample returned /stored	Stored at Ambient Temp for 1 week from the date of reporting	

Sr. No.	Parameter	Result	Limit as per IS:10500 Standard	Unit	Standard Method
1.	Colour	1.0	5	Hazen	IS: 3025 Part-04 (R.A : 2021)
2.	pH	7.25	6.5 to 8.5	--	IS: 3025 Part-11 (R.A : 2022)
3.	Turbidity	0.68	1	NTU	IS: 3025 Part-10 (R.A : 2023)
4.	Total Dissolved Solids	70.0	500	mg/L	IS: 3025 Part-16 (R.A : 2023)
5.	Total Hardness (as $CaCO_3$)	21.68	200	mg/L	IS: 3025 Part-21 (R.A : 2023)
6.	Total Alkalinity (as $CaCO_3$)	25.30	200	mg/L	IS: 3025 Part-23 (R.A : 2023)
7.	Chloride (as Cl^-)	17.85	250	mg/L	IS: 3025 Part-32 (R.A : 2024)
8.	Sulphate (as SO_4^{-2})	5.67	200	mg/L	APHA :24thedition -(4500- SO_4^{2-}
9.	Residual Chlorine (as Cl_2)	BDL	0.2	mg/L	APHA :24thedition -(4500-Cl B)
10.	Calcium (as Ca)	7.39	75	mg/L	IS: 3025 Part-02 (2023)
11.	Magnesium (as Mg)	3.90	30	mg/L	IS: 3025 Part-02 (2023)
12.	Iron (as Fe)	BDL	0.30	mg/L	IS: 3025 Part-02 (2023)
13.	Total Coliform	Absent	Absent	/100ml	IS: 15185:2016
14.	*Escherichia coli*	Absent	Absent	/100ml	IS: 15185:2016

BDL: Below Detection Limit.

Statement of conformity: The above mentioned test results are complies with limits prescribed in IS: 10500: 2018 Standard.

AAVANIRA BIOTECH (P) LTD. * PUNE *

Verified & Reviewed by– Quality Manager **Authorized by – TM (Chem) & TM (Micro)**

i) Results relate only to the items tested.

ii) Report shall not be reported except in full without approval of the laboratory.

Government of Maharashtra

SEAC 2013/CR- 101 /TC-1
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Date: 8th April, 2013

To,

M/s. Tata Memorial Hospital.
Engineering Department,
6th floor, Service block,
Mumbai.

Subject: Environment Clearance for existing & proposed project (Radiolological Research Unit and Administration Block-RRU) and Centre for Cancer Epidemiology(CCE, Archive and Record Storage) at ACTREC, Plot No.1 & 2, Sector 22 at Kharghar, Navi Mumbai - Environmental clearance regarding.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 8th meeting decided to, recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 56th Meetings.

2. It is noted that the proposal is for grant of Environmental Clearance for existing & proposed project (Radiolological Research Unit and Administration Block-RRU) and Centre for Cancer Epidemiology (CCE, Archive and Record Storage) at ACTREC, Plot No.1 & 2, Sector 22 at Kharghar, Navi Mumbai. SEAC considered the project under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of Project	Proposed Infrastructure project "Radiological Research Unit & Administrative Block (RRU), Centre for Cancer Epidemiology (CCE), Archive & Record Storage (A&R)"
Name of Proponent	M/s. Tata Memorial Hospital,
Type of project	Construction project
Location of the project	Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Total Plot Area **Deductions** **Net Plot Area**	2,40,007.495 sq.m No deductions 2,40,007.495 sq.m
Permissible FSI (including TDR etc.)	Allotted FSI by CIDCO : 01 Total permissible FSI of the campus : 2,40,007.495 sq.m
Proposed Built-up Area	FSI area: 17,500 sq m.

<table>
<tr><td>(FSI & Non-FSI)</td><td>Non FSI area: 5250 sq m.
Total Construction Built Up Area: 22750 sq m.</td></tr>
<tr><td>Ground coverage Percentage (%)</td><td>21.90 %</td></tr>
<tr><td>Estimated cost of the Project</td><td>CCE : 22 Cr., RRU :32 Cr, A&R : 2 Cr</td></tr>
<tr><td>No. of buildings & its configuration</td><td>
<table>
<tr><th>Particular</th><th>No. of buildings</th><th>Configuration</th></tr>
<tr><td>Radiological research unit & Administrative block (RRU)</td><td>01</td><td>Existing scope B + Gr + 03 (Design for B + G + 7)</td></tr>
<tr><td>Centre for cancer epidemiology (CCE)</td><td>01</td><td>Existing scope Gr + 03 (Design for G+7)</td></tr>
<tr><td>Archive & Record Storage</td><td>01</td><td>Existing scope Gr + 01 (Design for G+4)</td></tr>
</table>
</td></tr>
<tr><td>No. of tenants & shops</td><td>
<table>
<tr><th>Particular</th><th>Numbers</th></tr>
<tr><td>Radiological research unit & Administrative block (RRU)</td><td>01</td></tr>
<tr><td>Centre for cancer epidemiology (CCE)</td><td>01</td></tr>
<tr><td>Archive & Record Storage</td><td>01</td></tr>
</table>
</td></tr>
<tr><td>No. of expected residents /users</td><td>
<table>
<tr><th>Particular</th><th>Occupancy</th></tr>
<tr><td>Radiological research unit & Administrative block (RRU)</td><td>263</td></tr>
<tr><td>Centre for cancer epidemiology (CCE)</td><td>260</td></tr>
<tr><td>Archive & Record Storage</td><td>02</td></tr>
<tr><td>Total No. of expected residents</td><td>525</td></tr>
</table>
</td></tr>
<tr><td>Tenant density/hectare</td><td>300 max permitted</td></tr>
<tr><td>Height of the building (s)</td><td>
<table>
<tr><th>Residential Buildings</th><th>Height in (m)</th></tr>
<tr><td>Radiological research unit & Administrative block (RRU)</td><td>22</td></tr>
<tr><td>Centre for cancer epidemiology (CCE)</td><td>22</td></tr>
<tr><td>Archive & Record Storage</td><td>12</td></tr>
</table>
</td></tr>
<tr><td>Right of the way</td><td>Approx 09 meters of road width
Nearest Fire Station is located at approx 1.5 Km from the plot</td></tr>
<tr><td>Turning radius</td><td>7.5m, 11.5m</td></tr>
<tr><td>Total Water Requirement</td><td>Dry Season:
• Fresh Water (cmd): 88.4 cmd, Source: CIDCO
• Recycled Water required:- 55.1 cmd
• Total Water Requirement:- 143.5 cmd
• Fire fighting (cmd):- UG TANK = 200 cum for CCE & RRU both together, OH Tank = 20 Cum each for CCE & RRU</td></tr>
</table>

<table>
<tr><td></td><td>Wet Season:
• Fresh Water (cmd): 88.4 cmd Source: CIDCO
• Recycled Water required:- 33 cmd
• Total Water Requirement:- 121.4 cmd
• Fire fighting (cmd):-</td></tr>
<tr><td>Rain Water Harvesting (RWH)</td><td>• Level of Ground Water Table: 3.03 to 6.50 m
• Size and no of RWH tank (s) and Quantity: UG tank 60 Cum capacity each for CCE & RRU - for collection of terrace water & use it for flushing, etc
• Budgetary allocation (Capital cost and O&M cost)
<table>
<tr><td></td><td>Capital cost (Rs in lakhs)</td><td>O&M cost (Rs in lakhs)</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>Rainwater harvesting</td><td>05</td><td>01</td></tr>
</table></td></tr>
<tr><td>Storm Water Drainage</td><td>• Natural water drainage pattern: west to East
• Quantity of storm water: (125 mm / hr.) X (50% of total plot area) X (average 3 hrs. / day) Nearest storm water drain size = (W=0.45) X (D = 0.40 to 0.60
• Size of SWD : sized as per design max rainfall intensity of 125 mm/hour</td></tr>
<tr><td>Sewage and Waste water</td><td>I. Sewage generation (cmd) :- 108.14 cmd
II. STP technology:-
III. Capacity of STP:-
IV. Location of STP:- Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end, the treated water shall be supplied by CIDCO to ACTREC for Horticulture.
IV. DG sets (during emergency):- 30% back up will be provided (100% to common & Services Areas).</td></tr>
<tr><td>Solid Waste Management</td><td>Waste Generation in Operation Phase
• Dry waste Kg/day:- 55.25
• Wet waste Kg/day:- 55.25
• Biomedical Waste (kg/month) : 1000 Kg/month
• STP Sludge (Dry sludge) Kg/day : 0.1
Mode of Disposal of Waste :-
• Dry waste: - segregation and sale of recyclables, inerts to approved landfill site.
• Wet waste :- biodegradable waste to compost
• Biomedical Waste : Biomedical waste will be sent to nearest Common Biomedical Waste Treatment and Disposal facility (CBMWTSDF) authorized by MPCB
• STP Sludge (Dry sludge) : mix with wet waste and convert that into compost
Budgetary allocation (Capital cost and O&M cost)
<table>
<tr><td></td><td>Capital cost (Rs in lakhs)</td><td>O & M cost (Rs in lakhs)</td></tr>
<tr><td></td><td></td><td></td></tr>
</table></td></tr>
</table>

	Solid waste management	10	02	

Green Belt Development

1. RG area under Green Belt
   - RG on the ground (sq.m) : 50,099.85 sq.m
2. Plantation
   - Number & list of Tree species to be planted in the ground RG: 181 nos. new tree plantation + 1489 nos. of existing trees
   - Tree species considered for plantation: 181 nos.
   - Tree species Existing & to be retained: 1489 nos.
   - Number & list of Shrub & bushes species to be planted in the podium RG : 16 species.
   - Number, size age and species of trees to be cut or transplanted

     Existing trees: 1489 nos.

Budgetary allocation (Capital cost and O&M cost)

	Capital cost (Rs in lakhs)	O&M cost (Rs in lakhs)
Green belt	1	0.50

Energy

Power supply :

- Maximum Demand:

  1.During Construction phase: 93.33 KVA

  2.During Operation phase:

  Maximum demand: 447.56 KVA

  Connected load: 573.66 KVA

  Source : MSEDCL

Energy saving by non-conventional method :

- Energy Saving Measure:

1. Lighting fixtures with wound chocks replaced with electronic chocks
2. Use of PVC exhaust fans 40 watt by replacing 80 watt heavy duty exhaust fans
3. Air conditioning blower in radiotherapy
4. Air conditioners having 100 % fresh air have been modified to circulate 70 % return air and 30% Fresh air
5. Power factor panels at distribution side
6. The comfort Awith 150 /C to utility area through central air conditioning system has restricted to 6 hours instead 8 hours earlier.
7. Solar water heating system
8. Recycle of boiler water in order to achieve heat recovery
9. The running of split air conditioning in animal house instead of central air conditioning system
10. The campus has 100 street lighting fixtures with 150 watt sodium vapor lamps replaced with 75 watt CFL lamps

Budgetary allocation (Capital cost and O&M cost)

	Capital cost (Rs in lakhs)	O&M cost (Rs in lakhs)
Energy Saving Devices +	70	2.50

<table>
<tr><td></td><td>
<table>
<tr><td>Solar Heater/ lighting</td><td></td><td></td></tr>
</table>

DG Set:
Number and capacity of DG sets to be used
1no. x 1000 KVA
Type of fuel used : HSD</td></tr>
<tr><td>Traffic Management</td><td>Parking Details :
• Open Parking: 250 nos
• Covered Parking: 50 nos
• Total parking area: 4200 sq.m
• Overall Covered: 36 nos.& 18 sq.m/car
• 2-Wheeler: 12 nos.
• 4-Wheeler: 60 nos.
Public Transport: -- 05 vehicles for approx 100 staff
Width of all Internal roads: main road = 7.5 m (lane) + 7.5 (lane) m + 1.0 m. (divider), secondary roads = 8.0 m (lane).</td></tr>
<tr><td>Environmental Management plan Budgetary Allocation</td><td>I. Construction phase (with Break-up)-
<table>
<tr><th>Environment Protection Measure</th><th>Capital Cost (Rs. in lakhs)</th><th>Recurring Cost per annum (Rs. in lakhs)</th></tr>
<tr><td>Debris/Top soil Management</td><td>30</td><td>Nil</td></tr>
<tr><td>Toilets for labour + drinking water + first aid arrangement</td><td>10</td><td>0.5</td></tr>
<tr><td>TOTAL</td><td>40</td><td>0.5</td></tr>
</table>
II. Operation Phase (with Break-up)-
<table>
<tr><th>Environment Protection Measures</th><th>Capital Cost (Rs. In Lakhs)</th><th>Recurring Cost (Rs. In Lakhs)</th></tr>
<tr><td>Sewage treatment plant</td><td>--</td><td>--</td></tr>
<tr><td>Solid waste management</td><td>10</td><td>02</td></tr>
<tr><td>Biomedical waste management</td><td>--</td><td>05</td></tr>
<tr><td>Rain water harvesting</td><td>5</td><td>1</td></tr>
<tr><td>Green belt</td><td>01</td><td>0.50</td></tr>
<tr><td>Energy saving features + solar water heater</td><td>40</td><td>2.50</td></tr>
<tr><td>Total</td><td>56</td><td>11</td></tr>
</table>
• Responsibility for further O &M : ACTREC, TMC</td></tr>
</table>

3. The proposal has been considered by SEIAA in its 56th meeting decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

(i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

(ii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.

(iii) "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.

(iv) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

(v) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

(vi) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.

(vii) 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.

(viii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material

(ix) Wet garbage 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. Local authority should ensure this.

(x) Arrangement shall be made that waste water and storm water do not get mixed.

(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 leveling 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) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(xiv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

(xv) 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.

(xvi) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

(xvii) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

(xviii) 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.

(xix) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

(xx) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

(xxi) 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.

(xxii) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).

(xxiii) Ready mixed concrete must be used in building construction.

(xxiv) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

(xxv) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(xxvi) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xxvii) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxviii)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 Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

(xxix) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(xxx) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.

(xxxi) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxxii) 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.

(xxxiii)Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

(xxxiv)Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement

(xxxv) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.

(xxxvi) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation 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. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

(xxxvii) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

(xxxviii) 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.

(xxxix) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement

(xl) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation

(xli) 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.

(xlii) 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.

(xliii) Six monthly monitoring reports should be submitted to the Department and MPCB.

(xliv) A complete set of all the documents submitted to Department should be forwarded to the MPCB

(xlv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

(xlvi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(xlvii) 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 and year-wise expenditure should reported to the MPCB & this department.

(xlviii) 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 http://ec.maharashtra.gov.in.

(xlix) 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.

(l) 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.

(li) 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. SO_2, NOx (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.

(lii) 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.

(liii) 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.

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. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. **Validity of Environment Clearance**: The environmental clearance accorded shall be valid for a period of 5 years.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. 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.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal , Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Dehli – 110 022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(Valsa R Nair Singh)
Secretary, Environment
department & MS, SEIAA

Copy to:

1. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEIAA, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
2. Additional Secretary, MOEF, 'Paryavaran Bhawan' CGO Complex, Lodhi Road, New Delhi – 110510
3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. Regional Office, MPCB, Navi Mumbai
6. Collector, Navi Mumbai
7. Commissioner, Navi Mumbai Municipal Corporation.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment Department.
10. Select file (TC-3).

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC 2013/CR 101/TC 1
Environment department,
Room No. 217, 2nd floor,
MantralayaAnnexe,
Mumbai 400 032
Date: 11thDecember, 2015.

To,
M/s. TATA Memorial Hospital.
Chief Engineer,
Engineering Department, 6th floor,
Service block,
Tata memorial Hospital,
Dr. E Borges Road,
Parel, Mumbai - 400 012.

Subject:-Amendment in Environment Clearance for proposed project (Radiological Research unit and Administration Block-RRU) and center for cancer Epidemiology(CCE, Archive and Record storage) at ACTREC, Plot no.1 & 2, Sector 22 at Kharghar, Navi Mumbai by M/s. TATA Memorial Hospital.

Reference- Even number environment clearance letter dated 8th April, 2013.

Sir,

This has reference to your communication on the above mentioned subject.

2. It is noted that, the proposal earlier considered by SEIAA& decided to accord grant of EC to the project. Accordingly EC has been issued to the project vide letter dated 8th April, 2013. The Authority noted the D.O. letter no. SEIAA-2014/CR.133/TC-3 dated 29th November, 2014 by Add. Chief Secretary, Environment Department, GoM to Secretary, MoEF&CC regarding amendments in EC issued to the building projects.

In the 87thSEIAA meeting, the proposed changes in detail and considering OM dated 19.06.2013 issued by MoEF wherein it is clarified that SEIAA/SEAC need not focus on the other issues which are normally looked after by the concerned local bodies, SEIAA decided to

accord approval to the amendment sought in the EC as the consequential impact on account of the proposed changes is not likely to be adverse on the environmental parameters.

The proposed change is mainly in the residential development and the details are as follows:

Sr No	Building Name	Building configuration as per EC issued on 8th April, 2013.	Proposed Building Configuration
1	Centre for Cancer Epidemiology (CCE)	Ground + 3 floors Build-up area = 6000 Sqm	Ground + 3 floors Build-up area = 6000 Sqm
2	Radiological Research Unit & Admin Block (RRU)	Basement + Gr. + 3 floors Build-up area = 9500 Sqm	Basement + Gr. + 3 floors Build-up area = 7500 Sqm
3	Archive & Record Storage (A & R storage)	Ground + 1 floors Build-up area = 2000 Sqm	Ground + 4 floors Build-up area = 4000 Sqm
4	Total Build-up area	17500 sqm	17500 sqm
5	Total FSI area	5250 sqm	5250 sqm
6	Total Construction area	22750 sqm	22750 sqm

Terms and conditions stipulated in even number environment clearance letter dated 8th April, 2013remains the same.

(Malini Shankar)
MemberSecretary, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhaidesai road, Breach candy, Mumbai- 400026.

2. Additional Secretary, MOEF, 'MoEF& CC, Indira ParyavaranBhavan, Jorbagh Road, Aliganj, New Delhi-110003.

3. Member Secretary,Maharashtra Pollution Control Board, with request to display a copy of the clearance.

4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, KendriyaParyavaranBhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).

5. Commissioner, Navi Mumbai Municipal Corporation.

6. Regional Office, MPCB, Navi Mumbai

7. Collector, Raigad

8. IA- Division, Monitoring Cell, MoEF& CC, Indira ParyavaranBhavan, Jorbagh Road, Aliganj, New Delhi-110003.

9. Select file (TC-3)

(EC uploaded on 18/12/2015)

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/ACP(BP/DP/NT)/EC/2018/643

Date :

Environmental Cell, CIDCO
CBD Belapur, Navi Mumbai
Dated: 12.1.2018

To,
The Director,
M/S Tata Memorial Centre
Kharghar
Navi Mumabi

Subject: "Environmental Clearance" for proposed Construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) on the existing ACTREC campus of Tata Memorial Hospital at Kharghar by M/s. Tata Memorial Centre

Dear Sir,

This has reference to your communication on the above-mentioned subject. The proposal was considered as per EIA Notification-2006, by the SEAC-II in its 54th meeting held on 3rd July 2017 and decided to recommend the project for consideration of grant of Environment clearance to SEIAA subject to certain conditions mentioned in the approved minutes of the above referred meeting. However, in the meanwhile, before SEIAA could take up the case, the authority for grant of Environmental Clearance was delegated to CIDCO as local planning Authority under the Government directives vide Government Notification No. TPS-1816/CR-443/16/DP/Pune & Konkan/UD-13, Dated 28/06/2017. In view of the same, information submitted by you has been considered by "Approving Committee" of Environmental Cell, CIDCO in its 3rd meeting held on 21st November 2017.

It is noted that the proposal is for grant of Environmental Clearance for proposed Project of Construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) on the existing ACTREC Campus of Tata Memorial Hospital at Plot No. 1 & 2, Sector-22, Kharghar by M/s. Tata Memorial Centre, the Environmental Cell of CIDCO considered the project under screening category B under item 8(a) of Building and Construction Project, as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of the project	"Environmental Clearance" for proposed Project of Construction of Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) on the existing ACTREC campus of Tata Memorial Hospital at Kharghar
Project Proponent	M/s. Tata Memorial Centre
Consultant	Aditya Environmental Services Pvt. Ltd.
Type of Project	Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU) 2006
Location of the project	Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai-410 208.
Total Plot Area(sq.m)	2,40,007.495 sqm.
Deduction	NA
Net Plot Area	2,40,007.495 sqm
Permissible FSI (including TDR etc.)	1.0
Proposed Built-up Area (FSI & Non-FSI)	FSI Area: 20682.00 sqm. Non FSI Area: 834.50 sqm. Total BUA: 21516.50 sqm.
Ground coverage Percentage (%) Note: Percentage of plot not open to sky	23.63
Estimated cost of Project	Rs. 130,03,00,000/-
No. of Buildings & its configuration	Building: RRU & Administration Block — Floors: B+G+7 UF — Total Height: 35.90 Building: Hadron Facility — Floors: G+1 UF — Total Height: 8.20
No. of tenements and shops	Radiological Research Unit & Administration Block (RRU): 01 Hadron Facility: 01
No of expected residents/ users	1055
Tenant density per Hector	756
Height of building(s)	
Right of way	Approx 9 m of road width. Nearest Fire Station is located at approx. 1.5 km from the plot.
Turning Radius	7.5 m, 11.5 m
Existing Structure	The proposed construction is within existing hospital campus which is spread on 60 acres of land.
Total Water Requirement	DRY SEASON 1. Fresh Water & Source: 72.00 CMD/ CIDCO 3. Recycled Water (Flushing): 27.00 CMD 4. Recycled Water (Gardening): NA

	5. Total Water Requirement: 7. Fire Fighting –UGWT: WET SEASON 1. Fresh Water & Source: 3. Recycled Water (Flushing): 4. Recycled Water (Gardening): 5. Total Water Requirement: 7. Fire Fighting –UGWT:	99.00 CMD 254.00 CMD 72.00 CMD/ CIDCO 27.00 CMD NA 99.00 CMD 254.00 CMD
Rain Water harvesting (RWH)	Level of Ground Water Table	3.03—5.05 m
	Size & No. of RWH Tank(s) & Quantity	NA
	Location of RWH Tank(s)	NA
	Quantity of Recharge Pits	04
	Size of Recharge Pits	3.0 m
	Budgetary Allocation (O & M Cost)	24.76 Lakh
	Details of UGWT(s), if any	UG Tanks of capacity 25 lac, 5 lac & 2.5 lac litres strategically located in the campus. 2.54 lac litres underground Fire Tank is located in the campus.
Storm Water Drainage	Natural Storm Water Drainage Pattern	Combination of channels & piping
	Quantity of Storm Water	Hadron Building= (W=0.45) X (D=0.40 to 0.60), RRU building= (W=1.0) X (D=0.90 to 1.20)
	Size of SWD	Size
Sewage and waste water	Sewage Generation	100.00 CMD
	STP Technology	Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end.
	Capacity of STP	Sewage generated from the project will be connected to CIDCO sewer network which have STP at the end.
	Location & Area of STP	Near Radiological Research & Administration Unit
	Budgetary Allocation (Capital Cost)	NA
	Budgetary Allocation (O & M Cost)	NA

Ry

Solid waste management

Waste generation in the Pre Construction phase:

Waste Generation	Debris 1-3 MT/day
Disposal of construction waste debris	Will be used for filling the plot & maintaining natural slopes.

Waste generation in Operational phase:

Dry Waste	326.3
Wet Waste	87.2
Hazardous Waste	NA
Biomedical Waste (if applicable)	2008
STP Sludge (Dry sludge)	0.1
Others (if any)	NA

Mode of Disposal of Waste

Dry Waste	Segregation & sale of recyclables, inert send to approved land fills
Wet Waste	Biodegradable waste to Compost
Hazardous Waste	Sent to authorised preprocessors
Biomedical Waste (if applicable)	Biomedical waste will be sent to nearest Common Biomedical Waste Treatment & Disposal Facility (CBMWTSDF)
STP Sludge (Dry sludge)	Used as manure
Others (if any)	NA

Area Requirement

Location(s)	At Utility Area
Area for storage of waste & other material	50 sqm
Area for Machinery	NA

Budgetary Allocation (Capital Cost and O & M Cost)

Capital Cost	NA
O & M Cost	NA

Green Belt Development

Total RG Area	24,000.00 sqm
No of Trees to be cut	NA
No of Trees to be planted	155
List of proposed native trees	Details given in list of proposed plantation on ground
Timeline for completion of	4 years from start of

	plantation			construction.
Number & List of Trees Species to be planted in the ground	**Name of Plant**	**Common Name**	**Quantity**	**Characteristics & Ecological Importance**
	Azadirachta Indica	Neem	50	The branches are wide & spreading. The fairly dense crown is roundish & may reach a diameter of 15-20 meters (49-66 ft) in old, free standing specimens.
	Acacia Concinna	Acacia	25	NA
	Syzygium Cumini	Jamun	20	Heights of upto 30m, dense foliage
	Ficus Racemosa	Umbar	10	NA
	Ficus Religiosa	Pimpal	10	Large dry season-deciduous or semi-evergreen tree upto 30 metres (98 ft) tall and with a trunk diameter of upto 3 metres
	Petopherum Pterocarpum	Copper pod tree	20	Deciduous tree growing to 15-25 m (rarely upto 50 m tall), with a trunk daimetre of upto 1m.
	Saraca Asoca	Ashoka	20	Beautiful foliage and fragrant flowers. It is a handsome, small, erect evergreen tree, with deep green leaves growing in dense clusters.

Energy

Power Requirement

Source of Power	MSEDCL
During Construction Phase (Demand Load)	93.33
DG set as power back up during construction phase	Will be provide requirement
During Operational phase (Connected Load)	2728
During Operational phase (Demand Load)	2080
Transformer	NA
DG set as power back up during operational phase	2 X 625, 2 X 1250
Fuel Used	HSD
Details of high tension line passing through the plot, if any	NA

Detail Calculations & % power savings

Energy Conservation Measures	Saving%
Power factor Correction panels at distribution side, all light fixtures are	648599.2

	LED type, LED street lights with Solar panel are proposed, Providing fresh air as per ASHRAE 62.1 requirement, Chilled water pump with VFD, Use of Heat wheel for exhaust air energy recovery upto 70%, Controlling required air quantity by VAV installed on diffusers, Use of CFC free refrigerant Freon 134 A, Use of low shading coefficient glazing 0.24, Under deck insulation of exposed roof. Energy efficient LED Light fixtures	

Budgetary Allocation

Capital Cost	45 Lakhs
O & M Cost	2 Lakhs

Traffic Management	No of Junction to the main road & design of confluence	2 entries to the main road, as shown in the master plan of campus.
	Number & area of basement	NA
	Number & area of podia	NA
	Total Parking Area	4200
	Area per car	18
	Number of 2 wheelers as approved by Competent Authority	12
	Number of 4 wheelers as approved by Competent Authority	60
	Public Transport	5 vehicles for approx 100 staff
	Width of all Internal Roads (m)	Main road= 7.5 m (lane) + 7.5 (lane) m + 1.0 m (divider), secondary road= 8.0 m (lane)

Environmental Management Plan Budgetary Allocation

Construction phase (with Break up)

Attributes	Parameter	Total Cost per annum
Debris/ Top Soil Management	NA	20
Toilets for labour + Drinking Water + First Aid Management	NA	20

Operation Phase (with Break up)

Component	Capital Cost Rs in Lakhs	O & M Cost Rs in Lakhs/ year

	Solid Waste Management	10	02	
	Biomedical Waste Management	0	05	
	Rain Water Harvesting	24.76	1.2	
	Green Belt	1	0.50	
	Energy Saving Features	40	2.50	

3. The proposal has been considered by "Approving Committee " of CIDCO in its 3rd meeting held on 21st November 2017 and "Approving Committee" has decided to accord "Environmental Clearance" to the said Project under the provision of "Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions;

i. This environmental clearance is issued subject to land use verification by Local authority/Planning authority and it should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any Judgements/ orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. If any discrepancy is found in the plans submitted or details provided in the above para, it may be reported to environment cell of CIDCO. This environmental clearance issued with respect to the environmental consideration and it does not mean that "Environmental Committee" of CIDCO has approved the proposed land use.

ii. The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area. The instant approval is being granted solely on the basis of the documents, plans, papers submitted to the Environmental Cell and does not certify and/or endorse the use and/or FSI mentioned in the proposal. The approval is purely from environmental point of view and can not be used as basis and/ or document and/or permission for demanding any additional FSI etc. or any relaxations in any of the rules, whatsoever.

iii. In case the construction built up area is greater than 1,50,000 Sq.Mtrs then "Consent for Establishment" is to 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.

iv. Project proponent should comply with condition stipulated by State Level Expert Appraisal Committee-II and "Approving Committee of Environmental Cell of CIDCO".

v. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

vi. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

vii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.

viii. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets if necessary. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

ix. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

x. Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. No wet garbage will be disposed outside the premises. Local authority should ensure this.

xi. Arrangement shall be made that waste water and storm water do not get mixed.

xii. All the topsoil excavated during construction activities should be stored for re-use in horticulture / landscape development within the project site.

xiii. 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.

xiv. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Department.

xv. Disposal of muck 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 approved sites with the approval of competent authority.

xvi. 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.

xvii. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

xviii. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the "Maharashtra Pollution Control Board".

xix. 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.

xx. The diesel required for operation DG sets shall be stored in underground tanks and if required, clearance form concern authority shall be taken.

xxi. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

xxii. 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.

xxiii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August 2003. (The above condition is applicable only if the project site is located within the 100km of Thermal Power Stations).

xxiv. Ready mixed concrete must be used in building construction.

xxv. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment's etc. as per National Building Code including measures from lighting.

xxvi. Storm water control and its re-use per CGWB and BIS standards for various applications.

xxvii. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

xxviii. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

Ry

xxix. If applicable, 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 Ministry before the project is commissioned for operation. Discharge of this unused treated affluent , if any, should be discharged in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any ,should be discharged in the sewer line. Treatment of 100% grey water by decentralised treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

xxx. Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

xxxi. Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction /operation of the project.

xxxii. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.

xxxiii. 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.

xxxiv. Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

xxxv. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

xxxvi. Energy conservation measures like installation of LED lights for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used LED fittings should be properly collected and disposed off/sent for recycling as per the prevailing guidelines /rules of the regulatory authority to avoid contamination. Use of solar panels shall be done to the extent of 1% of demand load by installing solar panels. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.

xxxvii. Diesel power generation sets proposed as source of backup power for elevators and common area illumination during operation 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 height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided in consultation with Maharashtra Pollution Control Board.

xxxviii. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time, the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

xxxix. 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.

xl. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.

xli. The building should have adequate distance between then to allow movement of fresh air and passage of natural light, air and ventilation.

xlii. 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.

xliii. 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.

xliv. Every Six months, monitoring reports should be submitted to the Environmental Cell, CIDCO.

xlv. A complete set of all the documents submitted to Department should be forwarded to the Local authority and, in case of Building and Construction Projects other than Residential or Commercial, to MPCB also.

xlvi. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

xlvii. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

xlviii. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item -wise break-ups. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year -wise expenditure should reported to this department.

xlix. The project management shall advertise at least in two local newspaper 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 Environment Committee of CIDCO and may also be seen at Website at http://CIDCO.maharashtra.gov.in/ec

l. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to this department, on 1st June & 1st December of each calendar year.

li. 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.

lii. The proponent shall upload status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (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.

liii. The project proponent shall also submit the 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 this Department,.

liv. 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 Environmental Cell, CIDCO as prescribed under the Environment (Protection) Rules, 1986, as amended and subsequently, shall be put on the website of the company along with the status of compliance of EC conditions.

lv. Implementation of EMP shall not rest with the contractor but authorised representative of TMC, more so during operational phase. You shall implement EMP in a time bound manner.

lvi. You shall make submission to Environmental Cell, CIDCO pertaining to compliance points mentioned by SEAC.

lvii. You shall use harvested rain water only for flushing purposes, after sand filter reduction, the water could be collected to separate underground tank and pump house. It should not be connected to underground tank for potable purpose.

lviii. You shall submit notarised copy of NOC issued by AERB to Environmental Cell, CIDCO.

Ry

4. The environment 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. In case of submission of false document and non-compliance of stipulated conditions, the Environmental Cell, CIDCO will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment cell reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.

8. In case of any deviation or alternation in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others 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.

(KVRK Ravikumar)
Member Secretary
Approving Committee
Environmental Cell, CIDCO

Copy to:

SP (Building Permission)
SE (HQ)

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC 2213/CR 352/TC II
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 12th January, 2016.

To,
M/s TATA Memorial Centre
Dr. E. Borges Marg, Parel
Mumbai- 400 012

Subject: Environment clearance for expansion of TATA Memorial Hospital "Hemato Lymphoid Block" at plot 1 & 2, sector 22, Kharghar, Navi Mumbai by M/s TATA Memorial Centre

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 32nd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 89th meeting.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

Name of Project	Hemato lymphoid Block
Project Proponent	Dr. Venkata V.P.R.P Chief Administrative Officer, TMC
Name of Consultant	Building Environment (India) Pvt. Ltd.
Accreditation of consultant (NABET Accreditation)	Sr. No. 16 List of Accredited Consultant Organizations/ Rev. 31 (A)/ June 11, 2015
Type of project: Housing project / Industrial Estate / SRA scheme / MHADA / Township or others	Expansion of Hospital Building
Location of the project	Plot No 1, Sector 22, Kharghar, Navi Mumbai
Whether in Corporation/ Municipal / other area	CIDCO
Applicability of the DCR	CIDCO
IOD/IOA/Concession document or any other form of document as applicable (Clarifying its conformity with local planning rules & provision)	Ref. No. CIDCO/BP-9079-/TPO (NM&K) 2015/1054 Date 25/6/2015
Note on the initiated work (If applicable)	Not Applicable

LOI / NOC from MHADA / Other approvals (If applicable)	Not Applicable
Total Plot Area (m^2) Deductions Net Plot area	Plot Area – 2,40,007.49 Sq.m. Deductions – No Deduction Net Plot Area – 2,40,007.49 Sq.m.
Permissible FSI (including TDR etc)	Permissible FSI – 01 Permissible TDR -NA Total Permissible FSI with TDR - 2,40,007.49 Sq.m.
Proposed Built-up Area (FSI & Non-FSI)	EC obtained area – 22,750 Sq.m. Vide Leter No. SEAC 2013/CR-101/TC-1dt. 8th April,2013 Proposed FSI – 16731.26 Sq.m. Non FSI – 2032.43 Sq.m. Total BUA area : 18763.69 Sq.m.
Ground-coverage Percentage (%) **(Note. Percentage of plot not open to sky)**	2,487.75 Sq.m. (0.0175)
Estimated cost of the project	38.39 Crores

No. of building & its configuration (s)
Existing :

Particular	No. of buildings	Configuration	Height in (m)	Occupancy
Radiological research unit & Administrative block (RRU)	01	Existing Scope B + Gr +03 (Design for B + G + 7)	22	263
Centre for cancer epidemiology (CCE)	01	Existing Scope Gr +03 (Design for G + 7)	22	260
Archive & Record Storage	01	Existing Scope Gr +01 (Design for G + 4)	12	02
Total				525

Proposed:
Total Buildings – 2

Hematolymphoid Block	1	G+7
Utility Block Medical Gas Manifold Electrical Substation Entrance Structure	1 1 1 1	Ground Floor Ground Floor Ground Floor Ground Floor

Number of tenants and shops

Existing :

Particular	No. of buildings
Radiological research unit & Administrative block (RRU)	01
Centre for cancer epidemiology (CCE)	01
Archive & Record Storage	01

Proposed:

	General Hospital 246 Beds Nurses Stations – 12 Doctor's Room - 5 Staff's Residence - No Superintendent's Residence - No General ward No of Beds - 90 Semiprivate Rooms No of Beds - 24 Private Room No of beds - 24 Casualty – 7 ID.U. – 7 Procedure Ward - 6 Total 158 beds
Number of expected residents / users	Existing : 525 Proposed: 1500 persons
Tenant density per hector	-
Height of the building(s)	Existing: 22 m Proposed: 34.10 Mts
Right of way (Width of the road from the nearest fire station to the proposed building(s))	Approx. 9.00 meters wide roads. Nearest fire station is located at 1.50 kms from plot
Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.00 Mts
Existing structure(s)	Compound wall project house Compound wall & guard house Staff quarters- type ii-b & iii-c (64 flats) Cancer research institute (cri) Animal house & service block Ward block Clinical research centre (crc) Vishramgriha Faculty building Additional alteration in staff quarter Building ii-b centre for cancer epidemiology & radiological research unit Archive & record storage
Details of the demolition with disposal (If applicable)	NA
Total Water Requirement	Existing: Dry Season: Fresh water: 88.4 m^3/day Recycled water : 55.1 m^3/day Total water requirement : 143.5 m^3/day Wet Season: Fresh water: 88.4 m^3/day Recycled water : 33 m^3/day Total water requirement : 121.4 m^3/day Proposed :

	Dry season: Source: CIDCO Dry Season: Fresh water: 170 m^3/day Recycled water (Domestic) : Nil m^3/day Recycled water (Gardening) : 28.2 m^3/day Recycled water (HVAC Makeup) : 150 m^3/day Total water requirement : 195 m^3/day Excess treated water : nil Fire Fighting: 150 m^3/day Wet Season: Fresh water: 170 m^3/day Recycled water (Domestic) : Nil m^3/day Recycled water (Gardening) : Nil m^3/day Recycled water (HVAC Makeup) : 90 m^3/day Total water requirement : 170 m^3/day Excess treated water : 63 m^3/day Fire Fighting: 150 m^3/day
Details about Swimming Pool	Not Applicable
Rain Water Harvesting (RWH)	Level of the Ground water table – 3.03-6.50 mts Storm water drainage connected to existing network Size and no. of RWH tanks- - Quantity of RWH tank – - Location of the RWH tank(s) – - Size, no. of recharge pits and Quantity:- Budgetary allocation (Capital cost and O&M cost) • Capital Cost:- - • O & M Cost :- -
UGT tanks	Domestic UG tank Capacity: - Used Existing UG Tank Flushing +Gardening UG tank Capacity Fire UG tank Capacity:
Storm water drainage	Natural water drainage pattern- Combination of channels and piping Quantity of storm water – 745.cm/hr Size of SWD – 450mm dia
Sewage and Waste water	Existing: 108.14 m^3 Proposed : Hospital: Sewage generation (CMD): - 160 Capacity of STP (CMD): - Location of the STP: - DG sets (during emergency) **: 30 % backup will be provided (100 % to common & services Areas)** Sewage Generated from the project will be connected to CIDCO sewer network which have STP at the end, the treated water shall be supplied by CIDCO to ACTREC for gardening. Budgetary allocation (Capital cost and O&M cost) Capital cost – - O & M cost – -

Solid waste Management	Waste generation in the Pre-Construction and Construction phase: • Waste generation : Top Soil, Debris • Quantity of the top soil to be preserved- 990 cu.m. • Disposal of the construction waste debris- used for filling the plot and maintaining natural slopes Waste generation in the operation Phase: • Non-Biodegradable waste (Kg/day): - Existing : 55.25 Proposed : 187.5 • Biodegradable waste (Kg/day): - Existing : 55.25 Proposed : 187.5 • E – waste (Kg/month): N.A. • Hazardous waste (Kg/day): 8 apprx. •Biomedical waste (Kg/month) (If applicable): Existing : 1000 Proposed : 4602.75 • STP Sludge (Dry sludge) (Kg/day):- Existing : 0.1 Mode of Disposal of waste: • Dry waste: Segregation and sale of recyclables, inserts to approved landfill site • Wet waste: Biodegradable waste to compost • E – Waste: N.A. • Hazardous waste: Authorized Pre-processor. • Biomedical waste (If applicable): Biomedical Waste will be sent to nearest Common Biomedical Waste Treatment and Disposal facility (CBMWTSDF) authorized by MPCB • STP Sludge (Dry sludge): Used as Manure Area requirement: Location(s) and total area provided for the storage and treatment of the solid waste: - 50 Sq.m.-Utility area
Green Belt Development Total RG area: 54,729.85 Sq.m. 1. RG area other than green belt (Please specify for Playground, etc.)- 8933 Sq.m. 2. RG area under green belt: 45796.85 Sq.m. • RG on the ground (HARDSCAPE + SOFTSCAPE) - 54,729.85 Sq.m. Road side Plantation – 4992 Sq.m. Plantation: Number and list of trees species to be planted on the ground. Tree List: 111	

Number & list of shrubs & bushes species planted in the podium RG: --- N.A.

Number and list of trees species to be planted around the border of nallah / stream / pond (If any): --- N.A.
No. of Existing Trees:- 1670 Nos.
Number, size, age and species of trees to be cut, trees to be transplanted-
18 nos.(refer attached dwg for tree cutting NOC plan)
NOC for the Tree cutting / transplantation/ compensatory plantation, if any:
Applied for NOC

Budgetary allocation (Capital cost and O&M cost)
• Capital cost (only proposed)- 76.81 Lac
• Operation & maintenance cost (existing + proposed) – 52.92 Lac

Energy	Power supply: Existing: Maximum demand: - 447.56 kVA Connected load: - 573.66 kVA Proposed : • Maximum demand: - 2188.65 kW • Connected load: - 1850.95 kW • Source: **MSEDCL** **Total DG power consumption = 2185.65 kW** Energy saving measures : a. Solar Water heater b. LED Lighting system c. LED street lighting d. Energy efficient drives Detail calculations & % of saving • Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form) Budgetary allocation (Capital cost and O&M cost) Capital cost- 1,08,75,000/- for each DG set x 2 nos Operation & maintenance cost – 4,89,375 /- per year Number and capacity of the DG sets to be used: Existing: 1 x 1000 kVA Proposed : 2x1250 kVA

Environmental Management plan Budgetary Allocation
During Construction Phase-

Sr. No.	Parameter	Capital Cost (Rs. Lakh)	Recurring Cost per annum (Rs. Lakh)
1.	Debris/ Top Soil Management	35	Nil
2.	Toilets for labour + Drinking Water + First aid arrangement	15	1
Total Cost		50	1

During Operation Phase

Sr. No.	Description	Capital Cost (Rs. Lacs)	O & M Cost Per Annum (Rs. Lakh)
1	STP	-	-
2	RWH	-	-
3	MSW	-	-
4	Electrical cost	108	4.89
5	Landscaping	76.81	52.92
6	Environment Monitoring	1.0	1.60
Total		185.81	59.41

Responsibility for further O & M : ACTREC, TMC

Traffic Management :

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

Parking details:

Sr. No.	Type	Applicable no of parking As per DCR	Provided parking
1	2 wheelers	08 Nos	08 Nos
2	4 wheelers	88 Nos	90 Nos
3	Cycles	-	-
4	Public Transport	-	-

Total area provided for parking:

No. of car parking provided: 2300 Sq.m.

Type of parking: (Open/Stilt/Basement): OPEN

Area per car including driveway provided for car parking: 25.5 Sq.m.

Width of all Internal roads (m): 9.00 mts / 6.00 mts / 5.00 mts driveway

CRZ/RRZ clearance obtain ,if any	Not Applicable
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable

3. The proposal has been considered by SEIAA in its 89th meetings & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

(i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it

does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

(ii) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.

(iii) This environmental clearance is issued subject to utilization of excess treated water.

(iv) Occupation certificate shall be issued to the project only after ensuring availability of drinking water and connectivity of the sewer line to the project site.

(v) 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.

(vi) Provide reserve parking at least three ambulances near the entrance, one for fire tender and one for physically challenged persons

(vii) PP has to abide by the conditions stipulated by SEAC & SEIAA.

(viii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.

(ix) "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.

(x) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

(i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.

(ii) 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.

(iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

(iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

(v) Arrangement shall be made that waste water and storm water do not get mixed.

(vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

(vii) Additional soil for leveling 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.

(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) 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.

(x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

(xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

(xii) 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.

(xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

(xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

(xv) 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.

(xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).

(xvii) Ready mixed concrete must be used in building construction.

(xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

(xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxii) 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. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

(xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.

(xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxv) 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.

(xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

(xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

(xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.

(xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation 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. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

(xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

(xxxi) 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.

(xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

(xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

(xxxiv) 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.

(xxxv) 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.

(xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

(i) 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 in Para 2. Prior certification from appropriate authority shall be obtained.

(ii) Wet garbage 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. Local authority should ensure this.

(iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.

(v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

(vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(vii) 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 and year-wise expenditure should reported to the MPCB & this department.

(viii) 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 http://ec.maharashtra.gov.in.

(ix) 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.

(x) 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.

(xi) 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. SO_2, NOx (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.

(xii) 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.

(xiii) 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.

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. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. 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.

10. Any appeal against this environmental 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.

(Malini Shankar)
Member Secretary, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri. Johny Joseph, Chairman, IAS (Retd.). SEAC-II, Office of the Lokayukta and Upa-Lokayukta, New Administrative Building, 1st Floor, Madam Cama Road, Mumbai- 400 053.
3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
6. Managing Director, MSEDCL, MG Road, Fort, Mumbai
7. Managing Director, CIDCO, CIDCO Bhavan, Navi Mumbai.
8. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
9. Regional Office, MPCB, Navi Mumbai.
10. Select file (TC-3)

(EC uploaded on 12/01/2016)

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

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Navi Mumbai - 400 614.
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FAX : 00-91-22-6791 8166

Ref. No. CIDCO/ACP(BP/DP/NT)/EC/2018/642 ***Date :***

Environmental Cell, CIDCO
CBD Belapur, Navi Mumbai
Dated:12.1.2018

To,
The Director,
M/s. Tata Memorial Centre
ACTREC, Kharghar
Navi Mumbai.

Subject: "Amended Environmental Clearance" for proposed Project of Addition of One Dormitory Building 'Asha Niwas' in the existing ACTREC campus of Tata Memorial Hospital at Kharghar by M/s. Tata Memorial Centre

Dear Sir,

This has reference to your communication on the above-mentioned subject. The proposal was considered as per EIA Notification-2006, by the SEAC-II in its 54th meeting held on 3rd July 2017 and decided to recommend the project for consideration of grant of Environment clearance to SEIAA subject to certain conditions mentioned in the approved minutes of the above referred meeting. However, in the meanwhile, before SEIAA could take up the case, the authority for grant of Environmental Clearance was delegated to CIDCO as local planning Authority under the Government directives vide Government Notification No. TPS-1816/CR-443/16/DP/Pune 7 Konkan/UD-13, Dated 28/06/2017. In view of the same, information submitted by you has been considered by Approving Committee CIDCO in its 3rd meeting held on 21st November 2017.

It is noted that the proposal is for grant of Environmental Clearance for proposed Project of Addition of One Dormitory Building 'Asha Niwas' in the existing ACTREC Campus of Tata Memorial Hospital at Plot No. 1 & 2, Sector-22, Kharghar by M/s. Tata Memorial Centre, the Environmental Cell of CIDCO considered the project under screening category B under item 8(a) of Building and Construction Project, as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of the project	"Amended Environmental Clearance" for proposed Project of Addition of One Dormitory Building 'Asha Niwas' in the existing ACTREC campus of Tata Memorial Hospital at Kharghar
Project Proponent	M/s. Tata Memorial Centre
Consultant	Eco Foot Forward Environmental Consultancy & Engineers Pvt. Ltd.
Type of Project	Dormitory Building Construction. Category 8(a) of EIA Notification, 2006
Location of the project	Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai-410 208.
Total Plot Area(sq.m)	2,40,007.49 sqm.
Deduction	NA
Net Plot Area	2,40,007.49 sqm
Permissible FSI (including TDR etc.)	1.0
Proposed Built-up Area (FSI & Non-FSI)	FSI Area: 13210.24 sqm. Non FSI Area: 6286.76 sqm. Total BUA: 19497.00 sqm.
Ground coverage Percentage (%) Note: Percentage of plot not open to sky	0.68
Estimated cost of Project	Rs. 49,00,00,000/-
No. of Buildings & its configuration	Hematolymphoid Block: G+7, NA Utility Block: G, NA Medical Gas Manifold: G, NA Electric Sub station: G, NA Entrance Structure: G, NA Bio Bank: G, NA
No. of tenements and shops	268 rooms
Tenant density per Hector	NA
Height of building(s)	
Right of way	9 m
Turning Radius	9 m
Existing Structure	Cancer Research Institute (CRI), Animal House, Ward Block, Clinical Research Centre (CRC), Vishramgruha, Faculty Building Additional, Alteration in staff quarters, Centre for Cancer Epidemology & Radiology Research Unit, Compound Wall Project house, Compound Wall & Guard House, Staff Quarters
Total Water	DRY SEASON

Requirement	1. Fresh Water & Source: 224.52 CMD/ CIDCO 3. Recycled Water (Flushing): 27.15 CMD 4. Recycled Water (Gardening): 28.20 CMD 5. Total Water Requirement: 276.45 CMD 7. Fire Fighting –UGWT: 150.00 CMD WET SEASON 1. Fresh Water & Source: 224.52 CMD/ CIDCO 3. Recycled Water (Flushing): 27.15 CMD 4. Recycled Water (Gardening): NA 5. Total Water Requirement: 276.45 CMD 7. Fire Fighting –UGWT: 150.00 CMD	
Rain Water harvesting (RWH)	Level of Ground Water Table	3-6.5 m
	Size & No. of RWH Tank(s) & Quantity	NA
	Location of RWH Tank(s)	NA
	Quantity of Recharge Pits	16
	Size of Recharge Pits	1.2 m X 1.2 m
	Budgetary Allocation (O & M Cost)	1 Lakh
	Details of UGWT(s), if any	Location of UG Tank near Car Parking
Storm Water Drainage	Natural Storm Water Drainage Pattern	Combination of channels & piping
	Quantity of Storm Water	754 cm/hr
	Size of SWD	450 mm wide SWD
Sewage and waste water	Sewage Generation	232.54 CMD
	STP Technology	NA. The generated sewage will be treated in existing CIDCO STP
	Capacity of STP	1 No 300 CMD Capacity of existing STP
	Location & Area of STP	Near Radiological Research & Administration Unit
	Budgetary Allocation (Capital Cost)	NA
	Budgetary Allocation (O & M Cost)	NA
Solid waste management	**Waste generation in the Pre Construction phase:** Waste Generation: 330.3 Cum of Top Soil Disposal of construction waste debris: Will be used for filling the plot & maintaining natural slopes. **Waste generation in Operational phase:**	

	Dry Waste	Existing: 187.80 kg/ day, Proposed: 86.94 kg/ day
	Wet Waste	Existing: 188 kg/ day, Proposed: 202.86 kg/ day
	Hazardous Waste	NA
	Biomedical Waste (if applicable)	Existing : 4602.75 kg/ month, Proposed: NA
	STP Sludge (Dry sludge)	Existing : 0.1 kg/ month, Proposed: NA
	Others (if any)	NA

Mode of Disposal of Waste

Dry Waste	Segregation & sale of recyclables, inert send to approved land fills
Wet Waste	Biodegradable waste to existing Compost Facility
Hazardous Waste	Sent to authorised pre-processors
Biomedical Waste (if applicable)	Handed over to MPCB authorised recyclers (existing)
STP Sludge (Dry sludge)	Used as manure
Others (if any)	NA

Area Requirement

Location(s)	At Utility Area
Area for storage of waste & other material	50 sqm
Area for Machinery	NA

Budgetary Allocation (Capital Cost and O & M Cost)

Capital Cost	NA
O & M Cost	NA

Green Belt Development	Total RG Area	54,729.85 sqm
	No of Trees to be cut	NA
	No of Trees to be planted	1781
	List of proposed native trees	NA
	Timeline for completion of plantation	NA

Energy	**Power Requirement**	
	Source of Power	MSEDCL
	During Construction Phase (Demand Load)	NA
	DG set as power back up during	NA

	construction phase		
	During Operational phase (Connected Load)	850 KVA	
	During Operational phase (Demand Load)	500 KVA	
	Transformer	750 KVA	
	DG set as power back up during operational phase	500 KVA	
	Fuel Used	LSD	
	Details of high tension line passing through the plot, if any	NA	

Detail Calculations & % power savings

Solar Water Heater	NA
LED Lighting	NA

Budgetary Allocation

Capital Cost	45 Lakhs
O & M Cost	2 Lakhs

Traffic Management

No of Junction to the main road & design of confluence	1
Number & area of basement	NA
Number & area of podia	NA
Total Parking Area	437 sqm.
Area per car	12.5 sqm
Number of 2 wheelers as approved by Competent Authority	11
Number of 4 wheelers as approved by Competent Authority	159
Public Transport	NA
Width of all Internal Roads (m)	6m, 9m & 11 m

Environmental Management Plan Budgetary Allocation

Construction phase (with Break up)

Attributes	Parameter	Total Cost per annum
Debris/ Top Soil Management	NA	35
Toilets for labour + Drinking Water + First Aid Management	NA	15

Operation Phase (with Break up)

Component	Capital Cost Rs in Lakhs	O & M Cost Rs in Lakhs/ year
Sewage Treatment Plant	71.75	5
Rain Water	20	1

	Harvesting			
	Landscape Management	76.81	52.92	
	Energy Conservation + Solar Panel	153	6.89	
	Environment Monitoring	1	1.6	

3. The proposal has been considered by "Approving Committee " of CIDCO in its 3nd meeting held on 21st November 2017 and "Approving Committee" has decided to accord "Environmental Clearance" to the said Project under the provision of "Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

i. This environmental clearance is issued subject to land use verification by Local authority/Planning authority and it should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any Judgements/ orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. If any discrepancy is found in the plans submitted or details provided in the above para, it may be reported to environment cell of CIDCO. This environmental clearance issued with respect to the environmental consideration and it does not mean that "Environmental Committee" of CIDCO has approved the proposed land use.

ii. The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area. The instant approval is being granted solely on the basis of the documents, plans, papers submitted to the Environmental Cell and does not certify and/or endorse the use and/or FSI mentioned in the proposal. The approval is purely from environmental point of view and cannot be used as basis and/ or document and/or permission for demanding any additional FSI etc. or any relaxations in any of the rules, whatsoever.

iii. In case the construction built up area is greater than 1,50,000 Sq.Mtrs then "Consent for Establishment" is to 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.

iv. Project proponent should comply with condition stipulated by State Level Expert Appraisal Committee-II and "Approving Committee of Environmental Cell of CIDCO".

v. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

vi. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

vii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.

viii. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets if necessary. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

ix. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

x. Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. No wet garbage will be disposed outside the premises. Local authority should ensure this.

xi. Arrangement shall be made that waste water and storm water do not get mixed.

xii. All the topsoil excavated during construction activities should be stored for re-use in horticulture / landscape development within the project site.

xiii. 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.

xiv. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Department.

xv. Disposal of muck 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 approved sites with the approval of competent authority.

xvi. 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.

xvii. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

xviii. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the "Maharashtra Pollution Control Board".

xix. 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.

xx. The diesel required for operation DG sets shall be stored in underground tanks and if required, clearance form concern authority shall be taken.

xxi. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

xxii. 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.

xxiii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August 2003. (The above condition is applicable only if the project site is located within the 100km of Thermal Power Stations).

xxiv. Ready mixed concrete must be used in building construction.

xxv. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipment's etc. as per National Building Code including measures from lighting.

xxvi. Storm water control and its re-use per CGWB and BIS standards for various applications.

xxvii. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

xxviii. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

xxix. If applicable, 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 Ministry before the project is commissioned for operation. Discharge of this unused treated affluent, if any, should be discharged in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated affluent, if any, should be discharged in the sewer line. Treatment of 100% grey water by decentralised treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

xxx. Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

xxxi. Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction /operation of the project.

xxxii. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.

xxxiii. 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.

xxxiv. Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

xxxv. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

xxxvi. Energy conservation measures like installation of LED lights for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used LED fittings should be properly collected and disposed off/sent for recycling as per the prevailing guidelines /rules of the regulatory authority to avoid contamination. Use of solar panels shall be done to the extent of 1% of demand load by installing solar panels. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.

xxxvii. Diesel power generation sets proposed as source of backup power for elevators and common area illumination during operation 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 height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided in consultation with Maharashtra Pollution Control Board.

xxxviii. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time, the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

xxxix. 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.

xl. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.

xli. The building should have adequate distance between then to allow movement of fresh air and passage of natural light, air and ventilation.

xlii. 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.

xliii. 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.

xliv. Every Six months, monitoring reports should be submitted to the Environmental Cell, CIDCO.

xlv. A complete set of all the documents submitted to Department should be forwarded to the Local authority and, in case of Building and Construction Projects other than Residential or Commercial, to MPCB also.

xlvi. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

xlvii. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

xlviii. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item -wise break-ups. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year -wise expenditure should reported to this department.

xlix. The project management shall advertise at least in two local newspaper 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 Environment Committee of CIDCO and may also be seen at Website at http://CIDCO.maharashtra.gov.in/ec

l. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to this department, on 1st June & 1st December of each calendar year.

li. 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.

lii. The proponent shall upload status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (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.

liii. The project proponent shall also submit the 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 this Department,.

liv. 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 Environmental Cell, CIDCO as prescribed under the Environment (Protection) Rules, 1986, as amended and subsequently, shall be put on the website of the company along with the status of compliance of EC conditions.

lv. Implementation of EMP shall not rest with the contractor but authorised representative of TMC, more so during operational phase. You shall implement EMP in a time bound manner.

lvi. Residential areas may be clubbed together for better living environment and also required facilities for residential use can be shared.

lvii. You shall make submission to Environmental Cell, CIDCO pertaining to compliance points mentioned by SEAC.

lviii. You shall use harvested rain water only for flushing purposes and not providing any percolation pits for rainwater.

lix. You shall provide Organic Waste Convertor (OWC) of adequate capacity to cater to the full occupancy level to ensure that the wet waste is disposed off at society level itself.

4. The environment 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. In case of submission of false document and non-compliance of stipulated conditions, the Environmental Cell, CIDCO will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
6. The Environment Cell, CIDCO reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.
8. In case of any deviation or alternation in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others 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.

(KVRK Ravi Kumar)
Member Secretary, Approving Committee
Environmental Cell, CIDCO

Copy to: TPO (CIDCO)

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:May 4, 2017

To,
Mr. Umesh Kumar Mote , M/s. Tata memrial Center
at Plot No 1 & 2, Sector 22, Kharghar, Navi Mumbai-410208

Subject: Environment Clearance for Application for the Expansion & Amendment in EC by addition of one structure "Bio Bank" in existing campus of Tata memorial Hospital by M/s. Tata Memorial Centre

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its SEIAA Meeting No. 110th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its SEIAA Meeting No. 110th meetings.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(a) as per EIA Notification 2006.

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

1.Name of Project	Expansion & Amendment in EC by addition of one structure "Bio Bank" in existing campus of Tata memorial Hospital by M/s. Tata Memorial Centre
2.Type of institution	Government
3.Name of Project Proponent	Mr. Umesh Kumar Mote , M/s. Tata memrial Center
4.Name of Consultant	Building Environment (India) pvt.Ltd.
5.Type of project	Expansion of Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of Housing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes,EC Letter No.SEAC 2213/CR-352/TC-IIdt. 12th January, 2016
8.Location of the project	Plot No 1 & 2, Sector 22, Kharghar, Navi Mumbai-410208
9.Taluka	NA
10.Village	NA
11.Area of the project	CIDCO
12.IOD/IOA/Concession/Plan Approval Number	As per Earlier EC January 2016: Ref. No. CIDCO/BP-9079-/TPO (NM&K) 2015/1054 Date 25/6/2015 Expansion in EC required: Yet to receive
	IOD/IOA/Concession/Plan Approval Number: As per Earlier EC January 2016: Ref. No. CIDCO/BP-9079-/TPO (NM&K) 2015/1054 Date 25/6/2015 Expansion in EC required: Yet to receive
	Approved Built-up Area: 119.88
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	2, 40,007.49 Sq.m.
16.Deductions	No Deduction
17.Net Plot area	2,40,007.49 Sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 119.88
	Non FSI area (sq. m.): NA
	Total BUA area (sq. m.): PP proposed to build Bio-Bank structure having built-up area 119.88 Sq.M. with Ground floor configuration in the same plot, hence exceeding the earlier proposed built up area from 18,763.69 Sq.M. to 18,883.57 Sq.M.
19.Total ground coverage (m2)	2,487.75

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.0175
21.Estimated cost of the project	4500000

22.Production Details

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

23.Total Water Requirement

Dry season:	**Source of water**	CIDCO
	Fresh water (CMD):	Existing-170 proposed- 0.225
	Recycled water - Flushing (CMD):	proposed 0.1
	Recycled water - Gardening (CMD):	Existing- 28.2 proposed -Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Existing-195 Proposed -0.225
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	25
Wet season:	**Source of water**	CIDCO
	Fresh water (CMD):	Existing-170 proposed- 0.225
	Recycled water - Flushing (CMD):	proposed 0.1
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Existing-170 Proposed-0.225
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	63
Details of Swimming pool (If any)	Not Applicable	

24.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

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.03-6.50 mts
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Domestic UG tank Capacity: - Used Existing UG Tank Flushing +Gardening UG tank Capacity Fire UG tank Capacity: Used existing tank
26.Storm water drainage	**Natural water drainage pattern:**	Combination of channels and piping
	Quantity of storm water:	745cm/hr
	Size of SWD:	450mm dia
27.Sewage and Waste water	**Sewage generation in KLD:**	160
	STP technology:	MBBR
	Capacity of STP (CMD):	300
	Location & area of the STP:	Near Radiological Research and Administrative Unit
	Budgetary allocation (Capital cost):	71.75 lacs
	Budgetary allocation (O & M cost):	5 lacs

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Top Soil, Debris,Quantity of the top soil to be preserved- 990 cu.m.
	Disposal of the construction waste debris:	Disposal of the construction waste debris- used for filling the plot and maintaining natural slopes
Waste generation in the operation Phase:	**Dry waste:**	Existing : 187.5 Proposed : 0.75
	Wet waste:	Existing : 187.5 Proposed : 0.5
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	Existing : 4602.75 Proposed : N.A.
	STP Sludge (Dry sludge):	Existing : 0.1
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Segregation and sale of recyclables, inserts to approved landfill site
	Wet waste:	Biodegradable waste to compost
	Hazardous waste:	Send to authorized pre-processor
	Biomedical waste (If applicable):	Handed over to MPCB authorized recyclers (existing)
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	NA
Area requirement:	**Location(s):**	At utility area
	Area for the storage of waste & other material:	50 sq.m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

29.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			

30.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

31.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

32.Details of Fuel to be used

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

33.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing-2648.51 kW
	During Operation phase (Demand load):	Existing-2118.81 kW ,Proposed-17.5 kW/day
	Transformer:	-
	DG set as Power back-up during operation phase:	Existing : 2x1250 kVA
	Fuel used:	LSD
	Details of high tension line passing through the plot if any:	NO

34.Energy saving by non-conventional method:

a. Solar Water heater
b. LED Lighting system
c. LED street lighting
d. Energy efficient drives

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	External Solar Water Heating	-

37.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:**	1,08,75,000/- for each DG set x 2 nos
	O & M cost:	4,89,375 /- per year

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris/ Top Soil Management	NA	35
2	Toilets for labour + Drinking Water + First aid arrangement	NA	15
3	Total	NA	50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	one	71.75	5
2	Electrical cost	NA	108	4.89
3	Landscaping	NA	76.81	52.92
4	Environment Monitoring	NA	1.0	1.60
5	Total	NA	257.56	64.41

39.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

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	1.The Proposal was considered in 50th meeting(Part-A) of SEAC-2 (MMR & Kokan Division) held on 6th to 9th September 2016, Hon'ble committee recommend the proposal for EC to SEIAA, subject to compliance 2.Compliance of the same was submitted to EC dept. on dt.28.11.2016
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-06-2016

3. The proposal has been considered by SEIAA in its SEIAA Meeting No. 110th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

General Conditions:

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. 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.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. 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.

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

Shri Satish.M.Gavai (Member Secretary SEIAA)

Copy to:

1. SHRI ANAND. B. KULKARNI, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI JOHNY JOSEPH, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:November 7, 2019

To,
M/s Tata Memorial Centre
at Plot no. 1 & 2, Sector 22, Kharghar, Navi Mumbai, Maharashtra

Subject: Environment Clearance for Addition of one hospital "Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre" in existing ACTREC Campus of Tata Memorial Hospital located at Plot no. 1 & 2, Sector 22, Kharghar, Navi Mumbai, Maharashtra

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 113th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 179th meetings.

2. It is noted that the proposal is considered by SEAC-II under screening category 8 (a) as per EIA Notification 2006.

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

1.Name of Project	Shantilal Shanghvi Pediatric Hematolymphoid Cancer Centre
2.Type of institution	Government
3.Name of Project Proponent	M/s Tata Memorial Centre
4.Name of Consultant	NABET Accredited Environmental Consultant: Ecofootforward Environmental Consultancy & Engineers Pvt, Ltd., D/318, Neelkanth Business Park, Ramdev Nagar, Vidyavihar (W), Mumbai-400086 www.ecofootforward.com Tel: 022-25144129, NABET Certificate no: NABET/EIA/1720/IA0028
5.Type of project	Building Construction
6.New project/expansion in existing project/modernization/diversification in existing project	New Building Construction within ACTREC Campus
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	(1) Radiological Research unit (RRU) and Administrative Block: SEAC2013/CR-101/TC-I dated. 8.4.2013 (2) Amended EC for Radiological Research unit (RRU) and Administrative Block and Center for Cancer Epidemiology (CCE, Archive and Record Storage): SEAC2013/CR-101/TC-I dated 11.12.2015 (3) Addition of Hematolymphoid Block: SEAC2213/CR-352/TC-II dated 12.1.2016 (4) Addition of Bio-Bank structure: SEAC-2016/C. R.424/TC-1 dated 12.5.2017 (5) Aasha Niwas –Dormitory Building: CIDCO/ACP(BP/DP/NT)/EC/2018/642 dated on 12.1.2018 (6) Hadron Beam Facility (Proton Therapy) Facility and Radiological Research Unit & Administrative Block (RRU): CIDCO/ACP(BP/DP/NT)/EC/2018/643 dated on 12.1.2018
8.Location of the project	Plot no. 1 & 2, Sector 22, Kharghar, Navi Mumbai, Maharashtra
9.Taluka	Panvel
10.Village	Kharghar
Correspondence Name:	Dr. Sudeep Gupta, Director- ACTREC
Room Number:	-
Floor:	3rd Floor, Main Building
Building Name:	M/s. Tata Memorial Centre - ACTREC
Road/Street Name:	Sector 22
Locality:	Kharghar
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	CIDCO
12.IOD/IOA/Concession/Plan Approval Number	NA **IOD/IOA/Concession/Plan Approval Number:** NA **Approved Built-up Area:** 28064.96
13.Note on the initiated work (If applicable)	NA

14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI issued vide letter number CIDCO/BP/TPO(NM)2019/1084 dated 15/03/2019
15.Total Plot Area (sq. m.)	240000.07
16.Deductions	NA
17.Net Plot area	240000.07 (Plot No 1 & Plot No 2)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** Existing (68243.38) + Proposed (25007.1) = 93250.48
	Non FSI area (sq. m.): Existing (14403.68) + Proposed (3057.86) = 17461.54
	Total BUA area (sq. m.): 110712.03
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25007.1
	Approved Non FSI area (sq. m.): 3057.78
	Date of Approval: 15-03-2019
19.Total ground coverage (m2)	Existing: 28512.64 + Proposed: 2652.64 = 31165.28
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Existing: 11.88 % + Proposed: 1.10 % = 12.98 %
21.Estimated cost of the project	900000000

22.Production Details

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

23.Total Water Requirement

Dry season:	**Source of water**	CIDCO
	Fresh water (CMD):	554.92 (Existing) + 153.25 (Proposed) = 708.17
	Recycled water - Flushing (CMD):	109.25 (Existing) + 77 (Proposed) = 186.25
	Recycled water - Gardening (CMD):	56.4 (Existing) + 5 (Proposed) = 61.4
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	720.57 (Existing) + 235.25 (Proposed) = 955.82
	Fire fighting - Underground water tank(CMD):	Proposed-2150
	Fire fighting - Overhead water tank(CMD):	Proposed-30
	Excess treated water	Existing-32 + Proposed-38 (Proposed) = 70
Wet season:	**Source of water**	CIDCO
	Fresh water (CMD):	554.92 (Existing) + Proposed- 153.25 (Proposed) = 708.17
	Recycled water - Flushing (CMD):	109.25 (Existing) + Proposed-77 (Proposed) = 186.25
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	664.17 (Existing) + Proposed-230.25 (Proposed) = 894.42
	Fire fighting - Underground water tank(CMD):	Proposed-2150
	Fire fighting - Overhead water tank(CMD):	Proposed: 30 CMD
	Excess treated water	88 (Existing) + 43 (Proposed) = 131.41
Details of Swimming pool (If any)	NA	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	664.17	230.25	894.42	63.49	30.25	93.74	600.68	200	800.68

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-6.5 m
	Size and no of RWH tank(s) and Quantity:	Proposed: 1 RWH Tank of Capacity: 150 CMD Size = 10*6*2.6m
	Location of the RWH tank(s):	Ground Floor
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	20 lakhs
	Budgetary allocation (O & M cost) :	1 lakh/year
	Details of UGT tanks if any :	NA
26.Storm water drainage	**Natural water drainage pattern:**	From North to South as per contour
	Quantity of storm water:	73.44 cum/day
	Size of SWD:	450 mm wide drain channel
27.Sewage and Waste water	**Sewage generation in KLD:**	Existing: 368.14 (CIDCO STP) + On-going Construction:232.54 (ACTREC STP) + Proposed – 200 (ACTREC STP) = 800.68
	STP technology:	MBBR technology
	Capacity of STP (CMD):	Proposed - 300 KLD + Additional STP capacity -150 KLD
	Location & area of the STP:	Near Radiological Research & Administrative Unit, Ground: 745 m2
	Budgetary allocation (Capital cost):	300 lakhs
	Budgetary allocation (O & M cost):	8 lakh/year

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation Quantity: 9288 cum
	Disposal of the construction waste debris:	will be used for filling the plot & maintaining natural slope
Waste generation in the operation Phase:	**Dry waste:**	655.99 Kg/day (Existing) + 95.2 Kg/day (Proposed) = 751.19 Kg/day
	Wet waste:	532.81 Kg/day (Existing) + 74.8 Kg/day (Proposed) = 607.61 Kg/day
	Hazardous waste:	As per generation
	Biomedical waste (If applicable):	2194.76 kg/day (Existing) + 180 kg/day (Proposed) = 2374.76 kg/day
	STP Sludge (Dry sludge):	25 kg
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Segregation & handling to authorized recyclers
	Wet waste:	Treatment by “Nisargruna” Bio-gas Plant
	Hazardous waste:	Through MPCB authorized collection agency
	Biomedical waste (If applicable):	Through MPCB authorized collection agency
	STP Sludge (Dry sludge):	Used as Manure in Landscaping
	Others if any:	NA
Area requirement:	**Location(s):**	At Utility Area
	Area for the storage of waste & other material:	300 sq. m.
	Area for machinery:	50 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12 lakhs
	O & M cost:	2.5 lakh/year

29.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			

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	DG oil	Schedule IV, Item no. 20	Liters	As on generation	As on generation	As on generation	Used oil will be handed over to the authorized collection agency

31.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	1250 KVA X 3	HSD, Total: 750 L/ Hr	3	26	0.4	529 degree celcius

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed Diesel	Not applicable	750 L/ Hr	750 L/ Hr
Source of Fuel		Local authorized vendors		
Mode of Transportation of fuel to site		Through local authorized vendors		

33.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Co. Ltd. (MSEDL)
	During Construction Phase: (Demand Load)	93.33 kW
	DG set as Power back-up during construction phase	93.33 kW
	During Operation phase (Connected load):	Proposed: 4762 KW
	During Operation phase (Demand load):	Proposed: 2383 KW
	Transformer:	Proposed: 3 x 1250 kVA
	DG set as Power back-up during operation phase:	Proposed: 3 x 1250 kVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

34.Energy saving by non-conventional method:

Through Renewable Energy Systems:
• Maximum saving due to Solar Water Heating system: 24528 units/year
• Maximum saving due to Solar PV cells: 118560 units/year

Energy saving by non-conventional method: 2.1 %

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED for Lighting	4.0
2	Use of LED for Stair-case	0.1
3	Use of BEE 5-star certified appliance for normal power	0.37
4	Use of energy star rated Computers / Equipments for Computer Power	0.29
5	Use of BEE Certified Motors for AHU Load	2.45

6	Use of High Cop Chillers with VFD for HVAC chillers	10.29
7	Use of EFF-1 Motors, Variables Speed Pumping System for HVAC Pumping	2.58
8	Use of BEE Certified Motors for Medical Equipment & bed head panel	1.59
9	Use of Group controls and Variable speed drives for Lifts	0.42
10	Use of Daylight based controls + LED light fitting for Street Light	0.06
11	Use of Daylight based controls + LED light fitting for landscape lighting	0.17
12	Use of High Efficiency heat pumps for Hot water system	0.18
13	Use of CO sensors and VFD Fans for Ventilation & exhaust system	0.2
14	Maximum saving due to Solar Water Heating system	1.77
15	Maximum saving due to Solar PV cells	0.36

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	STP – MBBR Technology (300 KLD)	Additional of STP Capacity – MBBR Technology (150 KLD)
Biodegradable Waste	Treatment by "Nisargruna" Bio-gas Plant (500 Kg/day)	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	312
	O & M cost:	10.5

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris / Topsoil management	-	35
2	Site sanitation	Toilets for labour + Drinking water + First aid arrangement	15

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	Civil and Equipment Cost along with Operation and Maintenance Cost	300	8
2	Solid Waste Management	Nisargruna" Bio-gas Plant	12	2.5
3	Rain Water Harvesting	Rain water Harvesting Tank	20	1
4	Green belt development	Gardening	76.81	52.92
5	Energy Conservation + Solar Panel	Use of solar energy	153	6.89
6	Environmental Monitoring	Ambient Air, Water, Noise, Soil Monitoring	1	1.6

39.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

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 179th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to ensure that, Biomedical waste should be disposed off as per BMW rules.
II	PP to ensure that, discharge of the ETP should be as per CPCB norms.
III	PP to abide all the conditions laid down by Atomic energy regulatory board (AERB).
IV	PP to make straight drive way at 3rd proposed gate near to UG water tank & upload the same plan.
V	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.
VI	PP to submit CER 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.
VII	PP to submit undertaking regarding plantation of adequate number of trees.
VIII	PP to ensure that CER plan get approved from CIDCO.
IX	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.
X	SEIAA decided to grant EC for –FSI:25007.1 m2, Non-FSI:3057.86 m2 and Total BUA:28064.96 m2 (Plan Approval no-CIDCO/BP/TPO/NM/2019/1084, Date-15.03.2019)

General Conditions:

I	E-waste shall bedisposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	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.
III	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.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	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.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	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.

IX	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
X	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling 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.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	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.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII	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.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
XXI	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.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	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. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	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.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation 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. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

XXXVI	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.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	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.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	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 in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage 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. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XLVIII	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 and year-wise expenditure should reported to the MPCB & this department.
XLIX	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 http://ec.maharashtra.gov.in.
L	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.
LI	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.
LII	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, NOx (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.
LIII	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.
LIV	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.

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. 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.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. 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.

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

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

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	

<table>
<tr><td>7</td><td>Applied for</td><td colspan="3">Expansion</td></tr>
<tr><td>8</td><td>Location of the project</td><td colspan="3">Located at Plot No. 1 & 2, Sector 22, Village – Kharghar, Taluka – Panvel, District – Raigad</td></tr>
<tr><td>9</td><td>Latitude and Longitude</td><td colspan="3"><table>
<tr><th>Boundary Points</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>19° 4'4.67"N</td><td>73° 3'44.44"E</td></tr>
<tr><td>B</td><td>19° 4'4.22"N</td><td>73° 3'59.29"E</td></tr>
<tr><td>C</td><td>19° 3'43.97"N</td><td>73° 3'42.72"E</td></tr>
<tr><td>D</td><td>19° 3'44.43"N</td><td>73° 3'53.50"E</td></tr>
</table></td></tr>
<tr><td>10</td><td>Plot Area (sq.m.)</td><td colspan="3">2,40,007.49</td></tr>
<tr><td>11</td><td>Deductions (sq.m.)</td><td colspan="3">-</td></tr>
<tr><td>12</td><td>Net Plot area (sq.m.)</td><td colspan="3">2,40,007.49</td></tr>
<tr><td>13</td><td>Ground coverage (m^2) & %</td><td colspan="3">42301.98 Sq. Mtrs. & 17.62 %</td></tr>
<tr><td>14</td><td>FSI Area (sq.m.)</td><td colspan="3">• Existing Development Before Year 2006: 36141.155 m^2 +
• Existing Development Between Year 2006 to 2020: 82099.428 m^2 +
• Proposed Development: 121766.91 m^2,
Total Development = 2,40,007.49 m^2
<table>
<tr><th colspan="3">PROPOSED FUTURE BUILDING</th></tr>
<tr><th>Sr. No.</th><th>Project Title</th><th>FSI Areas (In Sq. Mtrs.)</th></tr>
<tr><td>P1</td><td>TMC Child Care Center -
LOI issued by CIDCO vide letter no. CIDCO/PLNG/ATPO(NM)/BP-15162/2021/4024 dated 27.10.2021</td><td>13120.30</td></tr>
<tr><td>P2</td><td>IROC Building</td><td>13346.00</td></tr>
<tr><td>P3</td><td>Hostel 17 Building</td><td>17247.80</td></tr>
<tr><td>P4</td><td>Center for New Biology</td><td>55075.25</td></tr>
<tr><td>P5</td><td>Additional 4 Floors on Shantilal Shanghvi</td><td>9067.50</td></tr>
<tr><td>P6</td><td>Gate No 3</td><td>257.53</td></tr>
<tr><td>P7</td><td>Additional 3 floors to CCE</td><td>5067.39</td></tr>
<tr><td>P8</td><td>Extension of Faculty Building</td><td>2646.00</td></tr>
<tr><td>P9</td><td>Multi-Level Car Parking.</td><td></td></tr>
<tr><td></td><td>P9. a Multi-Level Car Parking A</td><td>689.13</td></tr>
<tr><td></td><td>P9. b Multi-Level Car Parking B</td><td>689.13</td></tr>
<tr><td>P10</td><td>Multi-Purpose Hall</td><td>2835.55</td></tr>
<tr><td>P11</td><td>Animal House</td><td>1036.20</td></tr>
<tr><td>P12</td><td>Service Block</td><td>689.13</td></tr>
<tr><td colspan="2">TOTAL AREAS</td><td>121766.91</td></tr>
</table></td></tr>
<tr><td>15</td><td>Non-FSI (sq.m.)</td><td colspan="3">• 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 m^2
<table>
<tr><th colspan="3">PROPOSED FUTURE BUILDING</th></tr>
<tr><th>Sr. No.</th><th>Project Title</th><th>Non-FSI Areas (In Sq. Mtrs.)</th></tr>
</table></td></tr>
</table>

		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			**39318.00**

16	Proposed built-up area (FSI + Non FSI) (sq.m.)	• Existing Building Before 2006 = 36141.16 m2+ • Existing Building Between 2006 to 2020 = 100280.61 m2+ • Proposed = 161798.46 m2, **Total Development = 298220.22 m^2**

PROPOSED FUTURE BUILDING

Sr. No.	Project Title	FSI Areas (In Sq. Mtrs.)	Non FSI Areas (In Sq. Mtrs.)	Total Construction 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

		P10	Multi-Purpose Hall	2835.55	756.84	3592.39
		P11	Animal House	1036.20	53.65	1089.85
		P12	Service Block	689.13	7515.83	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 Constructio n area, if any.	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 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 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 4. **EC for Expansion & Amendment by addition of "Bio-Bank" in ACTREC Campus** vide letter no. SEIAA- STATEMENT-0000000352 Dated: 04.05.2017 5. **EC for addition of Dormitory Building "Aashaniwas" in ACTREC Campus** vide Letter no. SEIAA- STATEMENT-0000000304 Dated: 12.01.2018 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 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				
19	Constructio n 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**	**Height (m)**	
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 ifany….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 17 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 • 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 • 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-

1. 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.
2. PP to obtain following updated NOCs & remarks as per amended plan:
   a)Sewer connection; b) SWD NOC; c) Tree NOC.
3. 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 give100 % 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, NOx (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.

Signature Not Verified
Digitally signed by Shri Pravin C. Darade , I.A.S.
Member Secretary
Date: 2/23/2023 2:46:00 PM

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

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

To,

The Engineer
MS TATA MEMORIAL HOSPITAL ACTREC
Engineering Department,
Plot no - 1, Sector 22, Kharghar, Navi-Mumbai, 410210 -410210

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/INFRA2/447448/2023 dated 07 Oct 2023. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC24B039MH110605**
2.	**File No.**	SIA/MH/INFRA2/447448/2023
3.	**Project Type**	Expansion
4.	**Category**	B
5.	**Project/Activity including Schedule No.**	8(b) Townships and Area Development projects.
6.	**Name of Project**	Application for Amendment & Expansion in EC for proposed Development in Existing Layout of Tata Memorial Centre-ACTREC campus at Plot No. 1 & 2, Sector 22, Kharghar, Tehsil - Panvel, District- Raigad, Maharashtra by M/s. TATA MEMORIAL CENTRE ACTREC.
7.	**Name of Company/Organization**	MS TATA MEMORIAL HOSPITAL 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: 06/02/2024

(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/INFRA2/447448/2023
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 : Environment Clearance for proposed for amendment & expansion in EC for proposed Development in existing layout of Tata Memorial Centre-ACTREC campus at Plot No. 1 & 2, Sector 22, Kharghar, Tehsil - Panvel, District- Raigad, Maharashtra by M/s. Tata Memorial Centre ACTREC.

Reference : Application no. SIA/MH/INFRA2/447448/2023

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 218nd meeting under screening category 8 (b) B1 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 272nd (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 13th December, 2023.

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

Sr. No.	Description	Details	
1	Proposal No.	**SIA/MH/INFRA2/447448/2023**	
2	Name of Project	Amendment and Expansion in EC for proposed development in Existing Layout of Tata Memorial Centre- ACTREC campus at Plot No. 1 & 2, Sector 22, Kharghar, Tehsil - Panvel, District- Raigad, Maharashtra. By **M/s. TATA MEMORIAL CENTRE ACTREC**	
3	Project category	B Category; 8 (b)	
4	Type of Institution	Govt.	
5	Project Proponent	Name	**Tata Memorial Center (TMC) ACTREC**
		Regd. Office address	Plot No. 1 & 2, Sector 22, Village Kharghar, Taluka – Panvel, District- Raigad, Maharashtra
		Contact number	9869502468

		E-mail	Satish.bhangale68@gmail.com				
6	Consultant details	Mahabal Enviro Engineers Pvt. Ltd. (NABET ACCREDIATION: QCI/NABET/EIA/ACO/17/00427)					
7	Applied for	Amendment and Expansion in EC					
8	Location of the project	Plot No. 1 & 2, Sector 22, Kharghar, Tehsil - Panvel, District- Raigad, Maharashtra					
9	Latitude and Longitude	Latitude: 19°04'04.67"N and Longitude: 73°03'44.44"E					
10	Plot Area (sq.m.)	2,40,007.49 m^2					
11	Deductions (sq. m.)	Nil					
12	Net Plot area (sq.m.)	2,40,007.49 m^2					
13	Ground coverage (m^2) & %	42,301.98 m^2 (17.62%)					
14	FSI Area (sq.m.)	2,40,007.05 m^2					
15	Non-FSI (sq.m.)	75,158.73 m^2					
16	Proposed built-up area (FSI + Non FSI) (sq.m.)	3,15,165.78 m^2					
17	TBUA (m^2) approved by Planning Authority till date	TBUA: 3,15,165.78 m^2 (The plan is approved from CIDCO vide No. CIDCO/BP-15162/TPO(NM)/2023/4992 dated. 14.09.2023)					
18	Earlier EC details with Total Construction area, if any.	Obtained the EC vide No. SEAC2013/CR-101/TC-1 dated. 08.04.2023, SEAC2013/CR-101/TC-1 dated. 11.12.2015, SEAC2213/CR-352/TC-II dated. 12.01.2016, SEIAA-EC-0000000352 dated. 04.05.2017, SEIAA-EC-0000000304 dated. 12.01.2018, CIDCO/ACP (BP/DP/NT)/ EC/2018/643 dated. 12.01.2018, SEIAA-EC-2065 dated. 07.11.2019 and the recent EC from SEIAA, Maharashtra vide No. EC23B039MH160026 dated. 23.02.2023 from SEIAA, Maharashtra vide No. vide No. EC23B039MH160026 dated. 23.02.2023 for the plot area of 2,40,007.49 m^2, FSI area of 2,40,007.49 m^2 and the Total construction area of 2,98,220.22 m^2.						
19	Construction completed as per earlier EC (FSI + Non FSI) (sq. m.)	The construction work is started as per EC received. As on date, we have constructed 1,52,861.11 m^2 on site.					
20	**Bldg. Name**	**Confg.**	**Height (m)**	**Bldg. Name**	**Confg.**	**Height (m)**	**Reason for Modification/ Change**
	Compound Wall, Project	Ground	4.20 m	Compound Wall, Project	Ground	4.20 m	No change **Status:**

	House & Guard House			House & Guard House			Completed
	Staff Quarters Type II B & III C	G+4 floors	14.40 m	Staff Quarters Type II B & III C	G+4 floors	14.40 m	
	Cancer Research Institute (CRI)	G+3 floors	16.80 m	Cancer Research Institute (CRI)	G+3 floors	16.80 m	
	Animal House & Service Block	G+4 floors	24.30 m	Animal House & Service Block	G+4 floors	24.30 m	
	Ward Block	G + 1 floor		Ward Block	G + 1 floor		
	CRC (Clinical Research Centre)	G+3 floors	16.80 m	CRC (Clinical Research Centre)	G+3 floors	16.80 m	
	Vasundhara Vishramgruha	G+3 floors	14.40 m	Vasundhara Vishramgruha	G+3 floors	14.40 m	
	Faculty Building	G+4 floors	24.30 m	Faculty Building	G+4 floors	24.30 m	
	Addition Alteration in Staff Quarter building IIB	G+4 floors	14.40 m	Addition Alteration in Staff Quarter building IIB	G+4 floors	14.40 m	
	Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	G+3 floors	16.80 m	Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	G+3 floors	16.80 m	
	Achieve & Record Storage	G+4 floors	19.35 m	Achieve & Record Storage	G+4 floors	19.35 m	
	Entrance gate Structure	Ground	6.30 m	Entrance gate Structure	Ground	6.30 m	
	Asha Niwas Building	G+11 floors	48.75 m	Asha Niwas Building	G+11 floors	48.75 m	
	Radiological Research Unit (RRU) and Admin Block	G+7 floors	35.90 m	Radiological Research Unit (RRU) and Admin Block	G+7 floors	35.90 m	
	Hematolymphoid Block	G+7 floors	38.39 m	Hematolymphoid Block	G+7 floors		

	Hematolymphoid Block Utility Room & Gas Bank	Ground	5.10 m, 4.55 m	Hematolymphoid Block Utility Room, Mortuary Room & Gas Bank	Ground	5.10 m, 4.80 m & 4.55 m	Hematolymphoid Block Utility Room & Gas Bank: Completed **(New addition of Mortuary Room Status: No work started)**
	Hadron Project	G+ Upper floors	8.40 m	Hadron Project	G+ Upper floors	8.40 m	No change
	Bio Bank	Ground	3.60 m	Bio Bank	Ground	3.60 m	No change
	TMC Child Care Centre (Non-Hospital)	G+12 floors	48.05 m	TMC Child Care Centre (Non-Hospital)	G+12 floors	48.05 m	No change
20	IROC Building (Hospital)	G+11 floors	53.70 m	IROC Building (Hospital)	G+11 floors	53.70 m	No change (No work started)
	Hostel Building	G+17 floors	54.30 m	Hostel Building	LG+ G+12 floors	42.45 m	Change in planning (No work started)
	Centre for New Biology	G+14 floors	54.90 m	Centre for New Biology	G+14 floors	54.90 m	No change (No work started)
	Shantilal Sanghvi (Hospital)	G+14 floors	59.40 m	Shantilal Sanghvi (Hospital)	G+14 floors	56.70 m	Reduction in height (Ongoing)
	Gate No. 3 (Non-Hospital)	Ground	6.30 m	Gate No. 3 (Non-Hospital)	Ground	6.30 m	No change (Completed)
	Centre for Cancer Epidemiology Bldg. (Existing: G+3)	G+6 floors	35.45 m	Centre for Cancer Epidemiology Bldg.	G+3 floors	16.80 m	3 floors removed from latest EC (Status: G+3)
	Extension of Faculty Building (Non-Hospital)	G+3 floors	24.30 m	Extension of Faculty Building (Non-Hospital)	G+3 floors	24.30 m	No change (Status: Completed)
	MLCP-A	G+7 floors	33.60 m	MLCP-1	G+10 floors	28.80 m	Change in planning (No work

							started)
	MLCP-B	G+4 floors	21.30 m	MLCP-2	G+4 floors	21.30 m	No change (No work started)
	Multi-Purpose Hall	G+3 floors	20.10 m	Multi-Purpose Hall	G+3 floors	20.10 m	
	Animal House	G+3 floors	24.30 m	Animal House	G+2 floors	12.60 m	Removal of 1 floor (No work started)
	Service Block (Non-Hospital)	Ground	8.40 m	Service Block (Non-Hospital)	Ground	8.40 m	No change (Completed)
	Substation (Asha Niwas)	Ground	5.10 m	Substation (Asha Niwas)	Ground	5.10 m	No change (Completed)
	-	-	-	Multi-Purpose Hall No. 2	Ground	5.10 m	Newly proposed (No work started)
	-	-	-	Substation block for Hostel building	Ground	5.10	
	-	-	-	Substation for SSPCC	Ground	5.10	
21	No. of Tenements & Shops			Beds: 1,000 Nos., Residential Existing: 64 Nos. and Residential proposed: 700 Nos.			
22	Total Population			12,276 Nos.			
23	Total Water Requirements CMD			3,910 KLD			
24	Under Ground Tank (UGT) location			Underground			
25	Source of water			CIDCO			
26	a) STP Capacity & Technology b) ETP			a)3,165 KLD b) 50 KLD			
27	STP Location			Ground			
28	Sewage Generation CMD & % of sewage discharge in sewer line			• Sewage Generation: 3,065 KLD, • % Discharge in Municipal sewer line: Zero discharge project			
29	Solid Waste Management during Construction Phase			**Type**	**Quantity (Kg/d)**	**Treatment / disposal**	
				Dry Waste	18 kg/day	Handed over to local body	
				Wet Waste	12 kg/day	Handed over to local body	
				Construction Waste	5,650 m^3	Will be handled as per Construction Waste Rule, 2016	
30	Total Solid Waste Quantities with type during Operation Phase & Capacity of OWC to be			Dry waste	4,109 kg/d	Handed over to local body	
				Wet waste	2,358 kg/d	Biomethanation plant of 500 kg/day	

	installed			and Mechanical Composting Units of total 2,000 kg/day
		Biomedical Waste	2,332 Kg/d	Handed over to Authorized recycler
31	RG Area in Sq. m.	• RG required (10% of 2,40,007.49 m2): 24,000.07 m^2		
		• RG provided on Mother earth: 25,941.74 m^2		
		• **Existing trees on plot:** 6,795 Nos.		
		Number of trees to be planted: a) In RG & plot boundary area: 2,711 Nos. b) In Miyawaki Plantation (with area): 4,084 Nos.		
		• Number of trees already cut: 56 Nos. (already cut for existing development)		
		• Number of trees transplanted on site: Nil		
		• Total Nos. of trees on plot: 6,795 Nos.		
32	Power Requirements	**During Operation Phase:**		
		Details/Source	**MSEDCL**	
		Connected load	32.55 MW	
		Demand Load	18.68 MW	
33	Energy Efficiency	Total Energy saving (%): 20.0% Solar energy (%): 5%		
34	D.G. set capacity	**Total: 26,190 kVA** (4 x 625 kVA, 2 x 500 kVA, 2 x 2,000 kVA, 2 x 1,500 kVA, 2 x 625 kVA, 1 x 320 kVA, 2 x 910 kVA, 4 x 2,000 kVA, 1 x 500 kVA & 3 x 1,000 kVA & 2 x 400 kVA)		
35	No. of 4-W & 2-W Parking with 25% EV	4-W: 750 Nos., 2-W: 1,940 Nos., Nos. of ambulance: 4 Nos. (25% EV Provision will be provided)		
36	No. & capacity of Rain water harvesting tanks /Pits	20 Nos. of Rainwater Harvesting tanks of total 1,700 KL will be provided.		
37	Project Cost in (Cr.)	Rs. 640 Cr. (Including expansion cost wrt earlier EC Rs. 566 Crs.)		
38	EMP Cost	a) Construction Phase: Rs. 55 Lakhs/Annum. b) Operation Phase: 1.Operation phase: Capital Cost: Rs. 4800 Lakh 2.O & M Cost: 243 Lakh/Annum		
39	CER Details with justification if any....as per MoEF & CC circular dated 01/05/2018	Not Applicable (as per MoEF&CC OM F. NO. 22-65/2017-IA.III Dt. 25.02.2021)		
40	Details of Court Cases/litigations w.r.t the project and project location, if any.	No Court case is pending against the project		

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

Sr. No	Particulars	As per EC vide No. EC23B039MH160026 dated. 23.02.2023		Proposed Amendment/ Expansion		Remarks
1	Plot Area	2,40,007.49 m^2		2,40,007.49 m^2		No change
3	FSI Area	2,40,007.49 m^2		2,40,007.05 m^2		Increased due to change in planning
4	Non- FSI Area	58,213.22 m^2		75,158.73 m^2		
5	Total construction area	2,98,220.71 m^2		3,15,165.78 m^2		
6	Building Configuration	**Bldgs. Details**	**Bldg. Conf. with height**	**Bldgs. Details**	**Bldg. Conf. with height**	-
		Compound Wall, Project House & Guard House	Ground (4.20 m)	Compound Wall, Project House & Guard House	Ground (4.20 m)	No change **Status:** Completed
		Staff Quarters Type II B & III C	G+4 floors (14.40 m)	Staff Quarters Type II B & III C	G+4 floors (14.40 m)	
		Cancer Research Institute (CRI)	G+3 floors (16.80 m)	Cancer Research Institute (CRI)	G+3 floors (16.80 m)	
		Animal House & Service Block	G+4 floors (24.30 m)	Animal House & Service Block	G+4 floors (24.30 m)	
		Ward Block	G + 1 floor	Ward Block	G + 1 floor	
		CRC (Clinical Research Centre)	G+3 floors (16.80 m)	CRC (Clinical Research Centre)	G+3 floors (16.80 m)	
		Vasundhara Vishramgruha	G+3 floors (14.40 m)	Vasundhara Vishramgruha	G+3 floors (14.40 m)	

		Faculty Building	G+4 floors (24.30 m)	Faculty Building	G+4 floors (24.30 m)	
		Addition Alteration in Staff Quarter building IIB	G+4 floors (14.40 m)	Addition Alteration in Staff Quarter building IIB	G+4 floors (14.40 m)	
		Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	G+3 floors (16.80 m)	Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	G+3 floors (16.80 m)	
		Achieve & Record Storage	G+4 floors (19.35 m)	Achieve & Record Storage	G+4 floors (19.35 m)	
		Entrance gate Structure	Ground (6.30 m)	Entrance gate Structure	Ground (6.30 m)	No change (Completed)
		Asha Niwas Building	G+11 floors (48.75 m)	Asha Niwas Building	G+11 floors (48.75 m)	
		Radiological Research Unit (RRU) and Admin Block	G+7 floors (35.90 m)	Radiological Research Unit (RRU) and Admin Block	G+7 floors (35.90 m)	
		Hematolymphoid Block	G+7 floors (38.39 m)	Hematolymphoid Block	G+7 floors (38.39 m)	
		Hematolymphoid Block Utility Room & Gas Bank	Ground (5.10 & 4.55 m)	Hematolymphoid Block Utility Room, **Mortuary Room** & Gas Bank	Ground (5.10 m, 4.80 m & 4.55 m)	Hematolymphoid Block Utility Room & Gas Bank: **Completed (New addition of Mortuary Room Status:** No work started)

		Hadron Project	G+ Upper floors (8.40 m)	Hadron Project	G+ Upper floors (8.40 m)	No change **Status:** Completed
		Bio Bank	Ground (3.60 m)	Bio Bank	Ground (3.60 m)	
		TMC Child Care Centre (Non-Hospital)	G+12 floors (48.05 m)	TMC Child Care Centre (Non-Hospital)	G+12 floors (48.05 m)	No change **Status:** No work started
		IROC Building (Hospital)	G+11 floors (53.70 m)	IROC Building (Hospital)	G+11 floors (53.70 m)	No change (No work started)
		Hostel Building	**G+17 floors (54.30 m)**	**Hostel Building**	**LG+ G+12 floors (42.45 m)**	**Change in planning** (No work started)
		Centre for New Biology	G+14 floors (54.90 m)	Centre for New Biology	G+14 floors (54.90 m)	No change (No work started)
		Shantilal Sanghvi (Hospital)	G+14 floors (59.40 m)	Shantilal Sanghvi (Hospital)	G+14 floors (56.70 m)	**Reduction in height** (Status: Ongoing)
		Gate No. 3 (Non-Hospital)	Ground (6.30 m)	Gate No. 3 (Non-Hospital)	Ground (6.30 m)	No change (Status: Completed)
		Centre for Cancer Epidemiology Bldg. (Existing: G+3)	**G+6 floors (35.45 m)**	**Centre for Cancer Epidemiology Bldg.**	**G+3 floors (16.80 m)**	**3 floors removed from latest EC** (Status: G+3 Floors)
		Extension of Faculty Building (Non-Hospital)	G+3 floors (24.30 m)	Extension of Faculty Building (Non-Hospital)	G+3 floors (24.30 m)	No change (Status: Completed)

		MLCP-A	**G+7 floors (33.60 m)**	**MLCP-1**	**G+10 floors (28.80 m)**	**Change in planning** (No work started)
		MLCP-B	G+4 floors (21.30 m)	MLCP-2	G+4 floors (21.30 m)	No change (No work started)
		Multi-Purpose Hall	G+3 floors (20.10 m)	Multi-Purpose Hall	G+3 floors (20.10 m)	No change (No work started)
		Animal House	**G+3 floors (24.30 m)**	**Animal House**	**G+2 floors (12.60 m)**	**Removal of 1 floor** (No work started)
		Service Block (Non-Hospital)	Ground (8.40 m)	Service Block (Non-Hospital)	Ground (8.40 m)	No change **Status:** Completed
		Substation (Asha Niwas)	Ground (5.10 m)	Substation (Asha Niwas)	Ground (5.10 m)	No change **Status:** Completed
		-	-	**Multi-Purpose Hall No. 2**	**Ground (5.10 m)**	**Newly proposed Status:** No work started
		-	-	**Substation block for Hostel building**	**Ground (5.10 m)**	
		-	-	**Substation for SSPCC**	**Ground (5.10 m)**	
9	Population	12,276 Nos.		12,276 Nos.		No change
10	Water requirement	3,910 KLD		3,910 KLD		No change
11	Waste water generation	3,065 KLD		3,065 KLD		
12	STP Capacity ETP	3,165 KLD 50 KLD		3,165 KLD 50 KLD		
13	Solid waste	Total: 6,467 kg/day		Total: 6,467 kg/day		No change

	generation	Biodegradable: 2,358 kg/day Non-Biodegradable: 4,109 kg/day	Biodegradable: 2,358 kg/day Non-Biodegradable: 4,109 kg/day	
		Biomedical Waste: 2,332 kg/day	Biomedical Waste: 2,332 kg/day	
14	Power Requirement	Connected load: 31.95 MW	Connected load: 32.55 MW	Minor increased due to increase in area
		Demand: 18.04 MW	Demand: 18.68 MW	
15	D.G set	Total: 25,390 kVA (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)	Total: 26,190 kVA (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 & 2 x 400 kVA)	
16	Green belt development	RG Required: 24,000.07 m^2 RG provided on Mother Earth: 25,941.74 m^2	RG Required: 24,000.07 m^2 RG provided on Mother Earth: 25,941.74 m^2	No change
17	Parking provided	2-wheeler: 1,940 Nos.	2-wheeler: 1,940 Nos.	Provided as per Norms
		4-wheeler: 750 Nos.	4-wheeler: 750 Nos.	
		Ambulance: 4 Nos.	Ambulance: 4 Nos.	
18	Project cost (Rs.)	Rs. 566 Crs.	Rs. 640 Crs.	Increased by Rs. 74 Crs.

3. Proposal is an expansion of existing construction project. Project had obtained the ECs vide No. SEAC2013/CR-101/TC-1 dated. 08.04.2013, SEAC2013/CR-101/TC-1 dated. 11.12.2015, SEAC2213/CR-352/TC-II dated. 12.01.2016, SEIAA-EC-0000000352 dated. 04.05.2017, SEIAA-EC-0000000304 dated. 12.01.2018, CIDCO/ACP (BP/DP/NT)/ EC/2018/643 dated. 12.01.2018, SEIAA-EC-2065 dated. 07.11.2019 and the recent EC from SEIAA, Maharashtra vide No. EC23B039MH160026 dated. 23.02.2023 for the plot area of 2,40,007.49 Sq.Mtrs., FSI area of 2,40,007.49 Sq.Mtrs. and the Total construction area of 2,98,220.22 Sq.Mtrs. Proposal has been considered by SEIAA in its 272nd (Day-1) meeting held on 13th December, 2023 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-

1. PP to obtain 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 showing required RG area on mother earth as per

Hon'ble Supreme Court order.

2. PP to obtain following updated NOCs & remarks as per amended plan:
   a)Water Supply; b) Sewer connection; c) SWD remarks/NOC; d) Final CFO NOC; e) Tree NOC; f) Civil Aviation NOC for proposed height.
3. PP to submit undertaking and architect certificate mentioning that they have provided all required RG on mother earth as per the Hon'ble Supreme Court order regarding RG area.
4. PP to obtain latest certified compliance report of earlier EC from Regional Office, MOEF&CC, Nagpur.
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 provide details of ETP & include cost of ETP in EMP.
7. PP to submit list of species of trees to be planted in RG area & Miyawaki plantation with area demarcated for Miyawaki plantation.
8. PP to submit undertaking that they will follow guidelines of dust mitigation issued by planning authority/state government; PP to submit bifurcation of mitigation measures along with their cost for reducing air pollution and submit revised EMP of construction phase accordingly.

B. SEIAA Conditions-

1. PP has provided mandatory RG area of 24000.7 m2 on mother earth without any construction Local planning authority to ensure the compliance of the same.
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-2,40,007.06 m2, Non FSI-75,158.73 m2, total BUA-3,15,165.79 m2. (Plan approval No- CIDCO/BP-15162-TPO/(NM)/2023/4992, dated. 14.09.2023) (Restricted as per approval)

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 give100 % 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. 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.

XIII. 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, NOx (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.

Signature Not Verified
Digitally signed by: Shri Pravin C. Darade , I.A.S.
Designation: Member Secretary
Date and Time: 2/6/2024 10:54:25 AM

File No: SIA/MH/INFRA2/524188/2025

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), MAHARASHTRA)

****

Date **11/09/2025**

To,

Satish Bhangale
MS TATA MEMORIAL HOSPITAL ACTREC
Plot no. 1,sector 22, Kharghar , Navi-Mumbai - 410210 , RAIGAD, MAHARASHTRA, Next to CIDCO Central Park, 410210
sbhangale@actrec.gov.in

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/MH/INFRA2/524188/2025 dated [Date of Submission] for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B3813MH5368338N
(ii) File No.	SIA/MH/INFRA2/524188/2025
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	8(b) Townships/ Area Development Projects / Rehabilitation Centres
(vii) Name of Project	Environmental Clearance for amendment in existing layout of Tata Memorial Centre – ACTREC campus located at Plot no. 1 and 2, Sector 22, Kharghar, Tehsil Panvel, District Raigad, Maharashtra by Tata Memorial Centre ACTREC.
(viii) Name of Company/Organization	MS TATA MEMORIAL HOSPITAL ACTREC
(ix) Location of Project (District, State)	RAIGAD, MAHARASHTRA
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

Plot/Survey Khasra Nos.:

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A, B and C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the [Expert Appraisal Committee (EAC) / State Expert Appraisal Committee (SEAC)] under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by [Expert Appraisal Committee (#Sector# -Auto Fetch)/State Level Expert Appraisal Committee] in the meeting held on [#Auto Fetch# Meeting Date from MoM]. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above or through the following web link click here.
5. The brief about configuration of products and byproducts as submitted by the Project Proponent in orm-1 (Part A, B and C)/ EIA & EMP Reports / presented during [EAC/SEAC] are annexed to this EC as Annexure (1).
6. The [_EAC/SEAC_], in its meeting held on [Meeting_held_date], based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Environment Impact AssessmentAuthority(SEIAA) Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Satish Bhangale under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. General Instructions:

    (a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
    (b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
    (c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
    (d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
    (e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
    (f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
    (g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
12. This issues with the approval of the Competent Authority

Annexure 1

Specific EC Conditions for (Townships/ Area Development Projects / Rehabilitation Centres)

1. Specific Condition

<table>
<tr><th>S. No</th><th>EC Conditions</th></tr>
<tr><td>1.1</td><td>
<table>
<tr><th>Sr. No.</th><th>Conditions</th></tr>
<tr><td>1.</td><td>PP to obtain 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 showing all required RG area as per prevailing Hon’ble Supreme Court Order.</td></tr>
<tr><td>2.</td><td>PP to submit an undertaking signed by PP, Consultant and architect certifying that there is no violation of requirement of EIA notification 2006, amended from time to time</td></tr>
<tr><td>3.</td><td>PP to obtain (i) SWM/ Construction and Demolition Waste Management NOC, (vi) Tree NOC. The planning authority shall not grant occupation certificate unless PP obtain all NOCs.</td></tr>
<tr><td>4.</td><td>PP to ensure that; the requirements of Bio Medical Waste Management Rules, 2016 amended from time to time are followed.</td></tr>
<tr><td>5.</td><td>PP to provide on line air quality monitoring system along with provision of legible display board (Digital) of air quality status on 24x7 basis and include cost in EMP</td></tr>
<tr><td>6.</td><td>PP to complete tree plantation within the site during construction phase.</td></tr>
<tr><td>7.</td><td>PP to dispose all e-waste as per E-Waste Management Rules, 2016 and 2022 amended from time to time.</td></tr>
</table>
</td></tr>
</table>

Annexure 2

Details of the Project

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>a.</td><td>Details of the Project</td><td>Environmental Clearance for amendment in existing layout of Tata Memorial Centre – ACTREC campus located at Plot no. 1 and 2, Sector 22, Kharghar, Tehsil Panvel, District Raigad, Maharashtra by Tata Memorial Centre ACTREC.</td></tr>
<tr><td>b.</td><td>Latitude and Longitude of the project site</td><td>18.97484908805196,72.9685545018329 19.15488260580034,73.15903603711905</td></tr>
<tr><td>c.</td><td>Land Requirement (in Ha) of the project or activity</td><td>
<table>
<tr><th>Nature of Land involved</th><th>Area in Ha</th></tr>
<tr><td>Non-Forest Land (A)</td><td>24</td></tr>
</table>
</td></tr>
</table>

S. No.	Particulars	Details
		<table><tr><th>Nature of Land involved</th><th>Area in Ha</th></tr><tr><td>Forest Land (B)</td><td>0</td></tr><tr><td>Total Land (A+B)</td><td>24.0</td></tr></table>
d.	Date of Public Consultation	Public consultation for the project was held on
e.	Rehabilitation and Resettlement (R&R) involvement	NO
f.	Project Cost (in lacs)	117400
g.	EMP Cost (in lacs)	1515
h.	Employment Details	

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Building wise FSI area, Non FSI area, GCBUA:	Product	315165.78	8038.52	323204.30000000005	sq.m	nil
FSI area:	Product	240007.05	0	240007.05	sq.m	nil
total plot area	Product	240007.49	0	240007.49	sq.m	sq.m
non FSI area	Product	75158.73	8038.52	83197.25	sq.m	nil

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/INFRA2/524188/2025
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
Tata Memorial Centre ACTREC.
Plot no. 1 and 2, Sector 22, Kharghar,
Tal. Panvel, District Raigad.

Subject : Environment clearance for amendment in existing layout of Tata Memorial Centre –ACTREC campus located at Plot no. 1 and 2, Sector 22, Kharghar, Tehsil Panvel, District Raigad, Maharashtra by Tata Memorial Centre ACTREC

Reference : Application no. SIA/MH/INFRA2/524188/2025

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 244th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 300th meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 08th August, 2025.

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

Sr. No.	Description	Details	
1	Whether the project falls within 5km of any protected area notified under Wildlife (Protection) Act, 1972, Critically Polluted Areas and Severely Polluted Areas as identified by the CPCB, eco- sensitive areas notified under Section 3(2) of Env.(Protection) Act,1896 as per Hon'ble National Green Tribunal order dated 9th August 2024	No.	
2	Proposal Number	SIA/MH/INFRA2/524188/2025	
3	Name of Project	Proposed Amendment in Existing layout of Tata Memorial Centre ACTREC Campus located at Plot No. 1 & 2, Sector 22, Kharghar, Tehsil Panvel, Dist. Raigad, Maharashtra by Tata Memorial Centre ACTREC - Advanced Centre for Treatment, Research and Education in Cancer	
4	Project category	Category 8 (b) 'B'	
5	Type of Institution	Government	
6	Project Proponent	Name	Tata Memorial Centre ACTREC
		Regd. Office address	Plot No. 1 & 2, Sector 22, Kharghar, Tehsil Panvel, Dist. Raigad, Maharashtra
		Contact number	27405013/9869502468
		e-mail	sbhangale@actrec.gov.in

7	Consultant	Aditya Environmental Services Pvt. Ltd. Accreditation no: NABET/EIA/25-28/RA 0397 Date of validity: 01.05.2028
8	Applied for	Amendment Project
9	Location of the project	Plot No. 1 & 2, Sector 22, Kharghar, Tehsil Panvel, Dist. Raigad, Maharashtra
10	Latitude and Longitude	Latitude : 19°04'4.67" N Longitude : 73°03'44.44" E
11	Plot Area (sq.m.)	2,40,007.490 sq.m
12	Deductions (sq.m.)	0.00
13	Net Plot area (sq.m.)	2,40,007.490 sq.m
14	Ground coverage (m^2) & %	23.17% (55,609.033 sq.m.)
15	FSI Area (sq.m.)	2,40,007.05 sq.m
16	Non-FSI (sq.m.)	83,197.25 sq.m
17	Proposed built-up area (FSI + Non FSI) (sq.m.)	3,23,204.30 sq.m
18	TBUA (m^2) approved by Planning Authority till date	LOI issued to For Integrated Radiation Oncology Hospital building and NSE multispecialty hospital building vide reference no. CIDCO/BP-15162/TPO(NM)/2024/5725, dated. 18.12.2024. FSI area approved: 45,256.676 sq.m
19	Earlier EC details with Total Construction area, if any.	EC identification no. EC24B039MH110605 EC letter date: 6.2.2024 FSI area: 2,40,007.05 sq.m Non FSI area: 75,158.73 sq.m GCBUA: 3,15,165.78 sq.m
20	Construction completed as per earlier EC (FSI + Non FSI) (sq.m.)	90,926.853 sq.m
21		

Previous EC / Existing Building			Proposed Configuration			Reason for Modification / Change
Building name	Building configuration	Height (m)	Building Name	Configuration	Height (m)	
Compound Wall, Project House & Guard House	Ground	4.20 m	Compound Wall, & Guard House	Ground	4.20 m	Project house will be demolished.
Staff Quarters Type II B & III C	G+4 floors	14.40 m	Staff Quarters Type II B & III C	No change	No change	No change
Cancer Research Institute (CRI)	G+3 floors	16.80 m	Cancer Research Institute (CRI)	No change	No change	No change
Animal House & Service Block	G+4 floors	24.30 m	Animal House & Service Block	No change	No change	No change
Ward Block	G + 1 floor		Ward Block	No change	No change	No change
CRC (Clinical Research Centre)	G+3 floors	16.80 m	CRC (Clinical Research Centre)	No change	No change	No change
Vasundhara Vishramgruha	G+3 floors	14.40 m	Vasundhara Vishramgruha	No change	No change	No change
Faculty Building	G+4 floors	24.30 m	Faculty Building	No change	No change	No change
Addition Alteration in Staff Quarter building IIB	G+4 floors	14.40 m	Addition Alteration in Staff Quarter building IIB	No change	No change	No change
Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	G+3 floors	16.80 m	Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	No change	No change	No change
Achieve & Record Storage	G+4 floors	19.35 m	Achieve & Record Storage	No change	No change	No change

		Entrance gate Structure	Ground	6.30 m	Entrance gate Structure	No change	No change	No change
		Asha Niwas Building	G+11 floors	48.75 m	Asha Niwas Building	No change	No change	No change
		Radiological Research Unit (RRU) and Admin Block	G+7 floors	35.90 m	Radiological Research Unit (RRU) and Admin Block	No change	No change	No change
		Hematolymphoid Block	G+7 floors	38.39 m	Hematolymphoid Block	No change	No change	No change
		Hematolymphoid Block Utility Room, Mortuary Room & Gas Bank	Ground	5.10 m, 4.80 m, 4.55 m	Hematolymphoid Block Utility Room, Mortuary Room & Gas Bank	No change	No change	No change
		Hadron Project	G+ 1 Upper floor	8.40 m	Hadron Project	No change	No change	No change
		Bio Bank	Ground	3.60 m	Bio Bank	No change	No change	No change
		TMC Child Care Centre (Non-Hospital)	G+12 floors	48.05 m	TMC Child Care Centre (Non-Hospital)	No change	No change	No change
		IROC Building with service block (Hospital)	Gr + 11 floors	53.70 m	IROC Building (Hospital) with service block	Basement + Lower ground + Upper ground + 1st to 11th UF along with Service Block	53.40 m	Proposed amendment
		Hostel Building	LG+ G+12 floors	42.45 m	Hostel Building	No change	No change	No change
		Centre for New Biology	G+14 floors	54.90 m	Centre for New Biology	G+7 floors	33.6 m	Change in planning
		Shantilal Sanghvi (Hospital)	G+14 floors	56.70 m	Shantilal Sanghvi (Hospital)	No change	No change	No change
		Gate No. 3 (Non-Hospital)	Ground	6.30 m	Gate No. 3 (Non-Hospital)	No change	No change	No change
		Extension of Faculty Building (Non-Hospital)	G+3 floors	24.30 m	Extension of Faculty Building (Non-Hospital)	No change	No change	No change
		MLCP-1	G+10 floors	28.80 m	MLCP-1	No change	No change	No change
		MLCP-2	G+4 floors	21.30 m	MLCP-2	No change	No change	No change
		Multi-Purpose Hall 1	G+3 floors	20.10 m	Multi-Purpose Hall 1	Deleted from the planning	Deleted from the planning	Removed from planning as it is no longer required
		NSE building with service block	Not proposed	--	NSE building with service block	G + 11	49.5 m	Proposed addition of new building
		Animal House	G+2 floors	12.60 m	Animal House	No change	No change	No change
		Service Block (Non-Hospital)	Ground	8.40 m	Service Block (Non-Hospital)	No change	No change	No change
		Substation (Asha Niwas)	Ground	5.10 m	Substation (Asha Niwas)	No change	No change	No change
		Multi-Purpose Hall No. 2	Ground	5.10 m	Multi-Purpose Hall No. 2	No change	No change	No change
		Substation block for Hostel building	Ground	5.10 m	Substation block for Hostel building	No change	No change	No change
		Substation for SSPCC	Ground	5.10 m	Substation for SSPCC	No change	No change	No change
22	No. of Tenements & Shops				Beds: 1000 nos.+ Residential existing: 64 nos. + Residential			

		proposed: 700 nos.		
23	Total Population	12,276 nos.		
24	Total Water Requirements CMD	4068 cmd		
25	Under Ground Tank (UGT) location	IROC: Utility basement floor NSE: Utility basement floor		
26	Source of water	CIDCO + STP treated water		
27	Sewage Generation CMD & % of sewage discharge in sewer line	Sewage generation: 3065 cmd % of sewage discharge in sewer line: 47%		
28	STP Capacity & Technology	Total: 6 STPs of 3165 cmd capacity, 2 ETPs of 1 cmd capacity each IROC hospital: STP: 1 no. x 90 cmd and ETP: 1 no. x 4 cmd NSE hospital: STP: 1 no. x 200 cmd and ETP: 1 no. x 24 cmd STP technology: MBBR Technology		
29	STP Location	IROC : Utility basement floor NSE: Utility basement floor		
30	Solid Waste Management during Construction Phase	type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	18	will be segregated, and recyclable waste will be disposed of to authorized vendors.
		Wet waste	12	
		Construction waste	8000 brass	Surplus material will be disposed off as per C&D Waste Management Rules,2016.
31	Total Solid Waste Quantities with type during Operation Phase & Capacity of OWC to be installed	Type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	4527	will be segregated, and recyclable waste will be disposed off to authorized vendors.
		Wet waste	3000	Proposed organic waste converters onsite.
		STP Sludge	2.4	The dried STP sludge, after appropriate drying, will be used as manure for gardening to the extent possible.
		Biomedical-Waste	From existing buildings: 2332 kg/day IROC Building : 48.9 kg/day NSE Building : 81 kg/day	Biomedical waste from proposed hospital buildings will also be disposed as per the existing system and compliant with BMW Management Rules, 2016 (amended time to time).
32	R.G. Area in sq.m.	RG required: 24,000.07 sq.m.(10% of Plot area) RG provided on Mother earth: 25,941.74 sq. m. Total: 29,486.55 sq.m		
		Existing trees on plot: 2400 nos.		
		Number of trees to be cut: 229 nos.		
		Number of trees to be transplanted: nil		
		Number of trees to be retained: 2171 nos.		

<table>
<tr><td></td><td></td><td>Number of trees to be planted:
a) In RG area: 1029 nos.
b) In Miyawaki Plantation (with area):1200 Sq.m and 1600 nos.
Total Nos. of trees after development: 4800 nos.</td></tr>
<tr><td>33</td><td>Power requirement</td><td>During Operation Phase:
Source: MSEDCL
Load requirement:
<table>
<tr><td>Building name</td><td>Connected load</td><td>Demand load</td></tr>
<tr><td>Existing buildings</td><td>31,948.56 KVA</td><td>18,034.36 KVA</td></tr>
<tr><td>IROC building</td><td>7108 KW</td><td>2381 KW</td></tr>
<tr><td>NSE building</td><td>4314 KW</td><td>1,773 KW</td></tr>
</table>
Emergency power back-up:
<table>
<tr><td>Building name</td><td>DG sets</td><td>Transformer</td></tr>
<tr><td>Existing buildings</td><td>4 x 625 kVA,
2 x 500 kVA,
2 x 2000 kVA,
2 x 1,500 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 &
2 x 400 kVA DG</td><td>Nil</td></tr>
<tr><td>IROC building</td><td>2 nos. X 2500 KVA</td><td>2 nos x 2,500 KVA</td></tr>
<tr><td>NSE building</td><td>2 nos. x 2500 KVA</td><td>2 nos x 2,500 KVA</td></tr>
</table></td></tr>
<tr><td>34</td><td>Energy Efficiency</td><td>a) Total Energy saving (%): 20.18%
b) Solar energy (%): 5.29 %</td></tr>
<tr><td>35</td><td>D.G. set capacity</td><td>
<table>
<tr><td>Building name</td><td>DG Sets and capacity (Nos and KVA)</td></tr>
<tr><td>Existing buildings</td><td>4 x 625 kVA, 2 x 500 kVA, 2 x 2000 kVA, 2 x 1,500 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 & 2 x 400 kVA DG</td></tr>
<tr><td>IROC building</td><td>2 nos. X 2500 KVA</td></tr>
<tr><td>NSE building</td><td>2 nos. x 2500 KVA</td></tr>
</table></td></tr>
<tr><td>36</td><td>No. of 4-W & 2-W Parking with 25% EV</td><td>2W – 1940 Nos. (IROC: 70 nos.)
4W- 750 Nos.(IROC: 88 nos. and NSE: 152 nos.)
No. of ambulances: 6 nos.
25% of parking on EV</td></tr>
<tr><td>37</td><td>No. & capacity of Rainwater harvesting tanks /Pits</td><td>For entire campus: 20 RWH tanks,
Total capacity: 1700 KL (including IROC and NSE block).
For IROC: 1 RWH tank of 136 KL capacity
For NSE: 1 RWH tank of 90 KL capacity</td></tr>
<tr><td>38</td><td>Project Cost in (Cr.)</td><td>INR. 1174 Crore (Existing development: INR. 640 Cr + Proposed amendment: INR 534 Cr)</td></tr>
</table>

<table>
<tr><td>39</td><td>EMP Cost</td><td>During Construction phase:
<table>
<tr><th>Environment Protection Measure</th><th>Capital Cost (INR) in lakh</th><th>Recurring Cost per annum (INR) in lakh</th></tr>
<tr><td>Top soil & Debris management</td><td>Nil</td><td>4.80</td></tr>
<tr><td>Dust control measures</td><td>60.00</td><td>6.00</td></tr>
<tr><td>Barricading around site</td><td>30.00</td><td>1.00</td></tr>
<tr><td>Toilets for labour + Portable STP for labour + drinking water + first aid arrangement</td><td>--</td><td>10.00</td></tr>
<tr><td>Health and Safety of Labourers</td><td>--</td><td>15.00</td></tr>
<tr><td>Monitoring of Environmental Parameters</td><td>2.54</td><td>10.00</td></tr>
<tr><td>Environment monitoring cell</td><td>Nil</td><td>1.54</td></tr>
<tr><td>Disaster Management</td><td>200</td><td>20.00</td></tr>
<tr><td>TOTAL</td><td>291.54</td><td>68.30</td></tr>
</table>
During Operation Phase:
<table>
<tr><th>Environment Protection Measure</th><th>Capital Cost (INR) in lakh</th><th>Recurring Cost per annum (INR) in lakh</th></tr>
<tr><td>Sewage Treatment Plant (with sensors)</td><td>136.00</td><td>31.60</td></tr>
<tr><td>Effluent treatment plant</td><td>20.00</td><td>5.40</td></tr>
<tr><td>Water treatment plant</td><td>60.00</td><td>3.50</td></tr>
<tr><td>Solid Waste Management</td><td>9.80</td><td>8.00</td></tr>
<tr><td>Rainwater Harvesting</td><td>46.30</td><td>1.60</td></tr>
<tr><td>Landscape</td><td>104.00</td><td>1.10</td></tr>
<tr><td>DMP (Fire Fighting measures)</td><td>1068.00</td><td>22.40</td></tr>
<tr><td>Energy saving features (including low flow devices)</td><td>68.00</td><td>1.99</td></tr>
<tr><td>Monitoring of Environmental Parameters</td><td>3.00</td><td>20.00</td></tr>
<tr><td>Environmental Monitoring Cell</td><td>-</td><td>2.00</td></tr>
<tr><td>TOTAL</td><td>1515.10</td><td>97.59</td></tr>
</table></td></tr>
<tr><td>40</td><td>CER Details with justification if any….as per MoEF&CC circular dated 01/05/2018</td><td>NA</td></tr>
<tr><td>41.</td><td>Details of Court Cases/litigations w.r.t the project and project location, if any.</td><td>Nil</td></tr>
</table>

Comparative statement details are as below:

Area details-

Sr. No.	Particular	As per Previous EC dt. 06.02.2024	Proposed Amendment	Remarks

1.	Plot area	2,40,007.05 sq.m	No change	No change
2.	FSI area	2,40,007.05 sq.m	No change	No change
3.	Non FSI area	75,158.73 sq.m	83,197.25 sq.m	Increase by 8038.52 sq.m (9.63%)
4.	GCBUA	3,15,165.78 sq.m	3,23,204.30 sq.m	Increase by 8038.52 sq.m (2.49%)
5.	Ground coverage area	42,301.98 sq.m	55,609.033 sq.m	Increase by 13,307.053 sq.m

Building Details: -

Previous EC / Existing Building			Proposed Configuration			Reason for Modification / Change
Building name	Building configuration	Height (m)	Building Name	Configuration	Height (m)	
Compound Wall, Project House & Guard House	Ground	4.20 m	Compound Wall, & Guard House	Ground	4.20 m	Project house will be demolished.
Staff Quarters Type II B & III C	G+4 floors	14.40 m	Staff Quarters Type II B & III C	No change	No change	No change
Cancer Research Institute (CRI)	G+3 floors	16.80 m	Cancer Research Institute (CRI)	No change	No change	No change
Animal House & Service Block	G+4 floors	24.30 m	Animal House & Service Block	No change	No change	No change
Ward Block	G + 1 floor		Ward Block	No change	No change	No change
CRC (Clinical Research Centre)	G+3 floors	16.80 m	CRC (Clinical Research Centre)	No change	No change	No change
Vasundhara Vishramgruha	G+3 floors	14.40 m	Vasundhara Vishramgruha	No change	No change	No change
Faculty Building	G+4 floors	24.30 m	Faculty Building	No change	No change	No change
Addition Alteration in Staff Quarter building IIB	G+4 floors	14.40 m	Addition Alteration in Staff Quarter building IIB	No change	No change	No change
Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	G+3 floors	16.80 m	Center for Cancer Epidemiology (CCE, Achieve, Record Storage)	No change	No change	No change
Achieve & Record Storage	G+4 floors	19.35 m	Achieve & Record Storage	No change	No change	No change
Entrance gate Structure	Ground	6.30 m	Entrance gate Structure	No change	No change	No change
Asha Niwas Building	G+11 floors	48.75 m	Asha Niwas Building	No change	No change	No change
Radiological Research Unit (RRU) and Admin Block	G+7 floors	35.90 m	Radiological Research Unit (RRU) and Admin Block	No change	No change	No change

Hematolymphoid Block	G+7 floors	38.39 m	Hematolymphoid Block	No change	No change	No change
Hematolymphoid Block Utility Room, Mortuary Room & Gas Bank	Ground	5.10 m, 4.80 m, 4.55 m	Hematolymphoid Block Utility Room, Mortuary Room & Gas Bank	No change	No change	No change
Hadron Project	G+ 1 Upper floor	8.40 m	Hadron Project	No change	No change	No change
Bio Bank	Ground	3.60 m	Bio Bank	No change	No change	No change
TMC Child Care Centre (Non-Hospital)	G+12 floors	48.05 m	TMC Child Care Centre (Non-Hospital)	No change	No change	No change
IROC Building with service block (Hospital)	Gr + 11 floors	53.70 m	IROC Building (Hospital) with service block	Basement + Lower ground + Upper ground + 1st to 11th UF along with Service Block	53.40 m	Proposed amendment
Hostel Building	LG+ G+12 floors	42.45 m	Hostel Building	No change	No change	No change
Centre for New Biology	G+14 floors	54.90 m	Centre for New Biology	G+7 floors	33.6 m	Change in planning
Shantilal Sanghvi (Hospital)	G+14 floors	56.70 m	Shantilal Sanghvi (Hospital)	No change	No change	No change
Gate No. 3 (Non-Hospital)	Ground	6.30 m	Gate No. 3 (Non-Hospital)	No change	No change	No change
Extension of Faculty Building (Non-Hospital)	G+3 floors	24.30 m	Extension of Faculty Building (Non-Hospital)	No change	No change	No change
MLCP-1	G+10 floors	28.80 m	MLCP-1	No change	No change	No change
MLCP-2	G+4 floors	21.30 m	MLCP-2	No change	No change	No change
Multi-Purpose Hall 1	G+3 floors	20.10 m	Multi-Purpose Hall 1	Deleted from the planning	Deleted from the planning	Removed from planning as it is no longer required
NSE building with service block	Not proposed	--	NSE building with service block	G + 11	49.5 m	Proposed addition of new building
Animal House	G+2 floors	12.60 m	Animal House	No change	No change	No change
Service Block (Non- Hospital)	Ground	8.40 m	Service Block (Non- Hospital)	No change	No change	No change
Substation (Asha Niwas)	Ground	5.10 m	Substation (Asha Niwas)	No change	No change	No change

Multi-Purpose Hall No. 2	Ground	5.10 m	Multi-Purpose Hall No. 2	No change	No change	No change
Substation block for Hostel building	Ground	5.10 m	Substation block for Hostel building	No change	No change	No change
Substation for SSPCC	Ground	5.10 m	Substation for SSPCC	No change	No change	No change

Resource Requirement:

Sr. No	Particulars	As per previous EC	Proposed amendment	Remarks
1.	Population	12,276 nos.	No change	No change
2.	Water requirement	3,910 KLD	No change	No change
3.	Waste water generation	3,065 KLD	No change	No change
4.	STP Capacity	6 nos. of 3,165 KLD	No change	No change
5.	RWH tank (no. and capacity)	20 nos. of total 1700 KL capacity	No change	No change
6.	Solid waste generation and treatment	Total: 6,467 kg/day	Total: 7525 kg/day	Increase
		Biodegradable: 2,358 kg/day Non-Biodegradable: 4,109 kg/day	Biodegradable: 3000 kg/day Non-Biodegradable: 4527 kg/day	
		Biomedical Waste: 2,332 kg/day	Biomedical Waste: 2461.9 kg/day	Increase
8.	Power Requirement	Connected load: 32.55 MW	Connected load: 43.37 MW	Increase
		Demand load: 18.68 MW	Demand load: 22.188 MW	
9.	D.G set	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 & 2 x 400 kVA	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 & 2 x 400 kVA, 2 nos. X 2500 KVA, 2 nos. x 2250 KVA	Increase
10.	Transformers	-	2 no. x 2500 KVA, 2 no. x 2000 KVA	

3. Proposal is an expansion of existing construction project. PP has obtained earlier EC vide Letter No. vide No. EC23B039MH110605 dated 06.02.2024 for total BUA of 3,15,165.78 m2. Proposal was considered by SEIAA in its 300th meeting held on 08th August, 2025 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-

1. PP to obtain 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 showing all required RG area as per prevailing Hon'ble Supreme Court Order.
2. PP to submit an undertaking signed by PP, Consultant and architect certifying that there is no violation of requirement of EIA notification 2006, amended from time to time.
3. PP to obtain (i) SWM/ Construction and Demolition Waste Management NOC, (vi) Tree NOC. The planning authority shall not grant occupation certificate unless PP obtain all NOCs.
4. PP to ensure that; the requirements of Bio Medical Waste Management Rules, 2016 amended from time to time are followed.
5. PP to provide on line air quality monitoring system along with provision of legible display board (Digital) of air quality status on 24x7 basis and include cost in EMP.
6. PP to complete tree plantation within the site during construction phase.
7. PP to dispose all e-waste as per E-Waste Management Rules, 2016 and 2022 amended from time to time.

B. SEIAA Conditions-

1. PP has provided mandatory RG area of 24000.75 m2 on mother earth. Local planning authority to ensure the compliance of the same.
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. In view of Maharashtra Electric Vehicle Policy, 2025, PP to provide electric vehicle D. C. Charger for 20 % of total parking provided, the number of D. C. Chargers should be worked out as provided in Niti Ayog Handbook of EV charging infrastructure implementation.
5. 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.
6. SEIAA decided to grant EC for FSI- 2,40,007.05 m2, Non FSI- 83,197.25 m2, Total BUA- 3,23,204.30 m2. (Plan approval No- CIDCO/BP-15162/TPO(NM)/2024/5725 dated 18.12.2024).

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 give100 % 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. 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.

XIII. 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, NOx (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.

Jayashree Bhoj (IAS)
(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. Managing Director, CIDCO, Navi Mumbai.
7. Regional Officer, Maharashtra Pollution Control Board, Raigad.

ANNEXURE III A

CIDCO
WE MAKE CITIES

...TY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

REGD. OFFICE :
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : (Reception) 00-91-22-6650 0900
00-91-22-6650 0928
FAX : 00-91-22-2202 2509 / 6650 0933

HEAD OFFICE :
CIDCO Bhavan, CBD-Belapur,
Navi Mumbai - 400 ...
PHONE : 00-91-22...
FAX : 00-91-22...

NV ACTREC/1226/2013

Ref. No. **Date :** 30/ /

CIDCO/BP- 9271/ATPO (NM & K)/2013/ 1455

To,
Mr. G.S. Dhanoa,
Chief Engineer, TMC,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22,
Kharghar, Navi Mumbai. — 410210

Sub: - Development permission granted for construction of Centre for Cancer Epidemiology (CCE) and Radiological Research Unit & Administration Block (RRU) buildings on Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Ref: - 1) C.C. granted by this office vide letter no. CIDCO/ATPO (BP-9079)/2012/756 dtd 30/08/2012.
2) Your letter no. TMC/ACTREC/CCE/CIDCO-01 dtd 12/04/2013, received in this office on 15/04/2013 alongwith the copy of Environmental clearance vide ref. no./ SEAC2013/CR-101/TC-1 dtd 08/04/2013, and NOC for height clearance issued by AAI vide ref. no. BT-1/ NOC / MUM / 12 / NM / NOCAS / 448 / 586 / 954, dtd 12/11/2012.

Sir,

This has reference to the above cited letter wherein you have submitted the copy of NOC for height clearance issued by AAI and the copy of Environmental Clearance issued by Secretary, Environment Department & MS, SEIAA. However the same are not duly attested.

In this connection, it is to inform you that this office has granted development permission on subject plot, as referred at sr. no. 1 above, subject to condition that you shall submit the Environmental Clearance NOC & NOC for height clearance from AAI to this office before commencement of work at site.

Since you have submitted the above required documents, you may commence the work at site strictly adhering to the plans approved while granting above referred development permission and in accordance with the terms & conditions laid down in the Environmental clearance issued by competent authority and NOC for height clearance issued by AAI.

Thanking you,

Yours faithfully,

Manjula 30/4

(Manjula Nayak)
Additional Town Planning Officer
NM & Khopta

CIDCO
WE MAKE CITIES

...ND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

...OFFICE:
...MAL", 2nd Floor, Nariman Point,
...mbai - 400 021.
...HONE : (Reception) +91-22-6650 0900 / 6650 0928
FAX : +91-22-2202 2509 / 6650 0933

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE : +91-22-6791 8100
FAX : +91-22-6791 8166

Ref. No.
CIDCO/ATPO (BP- 9079)/2012/756=-1

Date: 30 AUG 2012

To,
Tata Memorial Centre (ACTREC)
Plot No 1 & 2, Sector-22, Kharghar, Navi Mumbai

Sub:- Development Permission for **Centre for Cancer Epidemiology (CCE)and Radiological Research Unit & Administration Block (RRU)** Buildings on Plot No.1 & 2, Sector-22 at Kharghar Navi Mumbai.

REF:- 1) Your architect's application dated 11/11/2010,24/01/2011, & 29/08/2012.
2) Fire NOC issued by Fire Officer, CIDCO vide letter dtd.11/01/2012

Dear Sir,

Please refer to your application for development permission for CCE and RRU Building on Plot No.1 & 2, Sector-22 at Kharghar, Navi Mumbai.

The commencement certificate as required under section 45 of the Maharashtra Regional and Town Planning Act,1966 is also enclosed herewith for the structures referred above.

Nodal Executive Engineer should ensure that, the finished plinth level edge level of the proposed CCE and RRU Buildings shall be minimum 750 mm. Above the proposed finished road edge level. In case , the building is having stilt, the finished stilt level to be minimum 300 mm. Above the road edge level.

Unique code number for the subject work will be

Unique Code No.	2	0	1	1	0	3	0	2	1	0	2	1	0	0	0	0	1

The approval for plumbing services i.e. drainage and water supply shall be separately obtained by the applicant from the Executive Engineer, Env-I, CIDCO prior to the commencement of the construction Work.

The Developers / Builders shall take all precautionary major for prevention of Malaria breeding during the construction period of the project. If required , you can approach Health Department CIDCO, for orientation program and pest control at project site to avoid epidemic.

You will ensure that for every 50 no. of flats, two wheeled bins of HDPE material and of capacity 240 liters each (1 no. for Dry and 1 No. for Wet Garbage) will be provided at site before seeking occupancy certificate.

You will ensure that the building materials will not be stacked on the road during the construction period.

Note : You shall [redacted] from competent authority and [redacted] for the development on subject plot [redacted]

Thanking you,

Yours faithfully,

30/8/12

(R. B. Patil)
Addl. Town Planning Officer (BP)
(Navi Mumbai & Khopta)

756=-1

30 AUG 2012

CITY & INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARSHTRA LTD

COMMENCEMENT CERTIFICATE

Permission is hereby granted under section – 45 of the Maharashtra Regional and Town Planning Act. 1966 (Maharashtra XXIVII) of 1966 to **The Tata Memorial Centre (ACTREC), Navi Mumbai, Plot No:- 1 & 2, Sector:- 22, Node:- Kharghar , of Navi Mumbai.** As per the approved plans and subject to the following conditions for the development work of the proposed **Centre for Cancer Epidemiology (CCE), Ground+3 Floor Structure and Radiological Research Unit & Administration Block (RRU) , Basement + Ground+ 3 Floor Structure, Total BUA = 13176.23 Sqm.**

A) Development Permission is granted subjected to following two conditions

I) Environment Clearance NOC from competent authority will be submitted before commencement of work.

II) NOC for Height Clearance from Airport Authority of India will be submitted before commencement of work.

B) After compliance of above two requirements, this Commencement Certificate is valid upto plinth level only. Further order will be given after the plinth is inspected and plinth completion certificate is issued.

1. **This Certificate is liable to be revoked by the Corporation if:-**

   1(a) The development work in respect of which permission is granted under this certificate is not carried out or the use thereof is not in accordance with the Sanctioned plans.

   1(b) Any of the conditions subject to which the same is granted or any of the restrictions imposed upon by the corporation is contravened.

   1(c) The Managing Director is satisfied that the same is obtained by the applicant through fraud or Misrepresentation and the applicant and/or any person deriving title under him, in such an event shall be deemed to have carried out the development work in contravention of section – 43 or 45 of the Maharashtra Regional and Town Planning Act- 1966.

   1(d) The plantation / trees are observed on the subject plot hence prior approval of the competent authority shall be taken for cutting / replantation of trees before commencement of work at site.

2. **The applicant shall:-**

   2(a) - Give a notice to the Corporation for completion of development work upto plinth level, atleast 7 days before the commencement of the further work.

   2(b) Give written notice to the Corporation regarding completion of the work.

   2(c) Obtain Occupancy Certificate from the Corporation.

   2(d) Permit authorized officers of the Corporation to enter the building or premises for which the permission has been granted, at any time for the purpose of ensuring the building control Regulations and conditions of this certificate.

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3. The structural design, building materials, installations, electrical installations etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code or and/or GDCRs- 1975 in force.

4. The Certificate shall remain valid for period of 1 year from the date of its issue, thereafter revalidation of the same shall be done in accordance with provision of Section – 48 of MRTP Act- 1966 and as per regulations no. 16.1(2) of the GDCRs – 1975.

5. The conditions of this certificate shall be binding not only on the applicant but also on its successors and/or every person deriving title through or under him.

6. A certified copy of the approved plan shall be exhibited on site.

7. The amount of Rs NIl /- deposited with CIDCO as security deposit shall be forfeited either in whole or in part at the absolute discretion of the Corporation for breach of any of the conditions attached to the permission covered by the Commencement Certificate. Such forfeiture shall be without prejudice to any other remedy or right of Corporation.

8. "Every Building shall be provided with under ground and over head water tank. The capacity of the tanks shall be as per norms fixed by CIDCO. In case of high rise buildings under ground and over head water tank shall be provided as per the fire fighting requirements of CIDCO. The applicant shall seek approval of the EE (Water Supply) of CIDCO in respect of capacity of domestic water tanks. The applicant shall seek approval of the Fire Officer of CIDCO in respect of capacity of water tanks for the fire fighting purpose".

9. You shall approach Executive Engineer, M.S.E.B. for the power requirements, location of transformer, if any, etc.

10. As per Govt. of Maharashtra memorandum vide No. TBP/4393/1504/C4-287/94, UD-11/RDP, Dated 19th July, 1994 for all buildings following additional conditions shall apply.

i) As soon as the development permission for new construction or re-development is obtained by the Owners/Developer, he shall install a 'Display Board' on the conspicuous place on site indicating following details ;-

a) Name and address of the owner/developer, Architect and Contractor.

b) Survey Number/City survey Number, Plot Number/Sector & Node of Land under reference along with description of its boundaries.

c) Order Number and date of grant of development permission or re-development permission issued by the Planning Authority or any other authority.

d) Number of Residential flats/Commercial Units with areas.

e) Address where copies of detailed approved plans shall be available for inspection.

ii) A notice in the form of an advertisement, giving all the detailed mentioned in (i) above, shall be published in two widely circulated newspapers one of which should be in regional language.

11. As per the notification dtd. 14th September 1999 and amendment on 27th August 2003, issued by Ministry of Environment & Forest (MOEF), Govt. of India and as per Circular issued by Urban Development Deptt., Govt. of Maharashtra, vide No. FAR/102004/160/P. No. 27/UD-20, dtd. 27/02/2004, for all Buildings following additional condition shall apply.

The Owners/Developer shall use Fly Ash bricks or blocks or tiles or clay fly ash bricks or cement fly ash bricks or blocks or similar products or a combination of aggregate of them to the extent of 100 % (by volume) of the total bricks, blocks & tiles as the case may be in their construction activity.

12. As directed by the Urban Development Deptt. Government of Maharashtra, under Section -154 of MR & TP Act- 1966 and vide Provision No. TPB 432001/2133/CR-230/01/UD-11, dated 10/03/2005, for all buildings, greater than 300.00 Sq. m. following additional condition of Rain Water Harvesting shall apply.

a) All the layout open spaces/amenities spaces of Housing Society and new construction /reconstruction / additions on plots having area not less than 300.00 Sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in schedule (enclosed).

Provided that the authority may approve the Rain water Harvesting Structures of specifications different from those in Schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.

b) The owner/society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.

c) The Authority may impose a levy of not exceeding Rs. 100/- per annum for every 100 Sq. m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting structures as required under these byelaws.

30/8/12

ADDL. TOWN PLANNING OFFICER
Navi Mumbai & Khopta

SCHEDULE RAIN WATER HARVESTING

Rain Water Harvesting in a building site includes storage or recharging into ground of rain water falling on the terrace or on any paved or unpaved surface within the building site.

1. The following systems may be adopted for harvesting the rain water drown from terrace and the paved surface.

   (i) **Open well** of a minimum of 1.00 mt. dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non potable domestic purposes such as washing, flushing and for watering the garden etc.

   (ii) Rain water harvesting for recharge of ground water may be done through a bore well around which a pit of one metre width may be excavated upto a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rain water may be channeled to the refilled pit for recharging the borewell.

   (iii) An impervious surface/ underground storage tank of required capacity may be constructed in the setback or other open space and the rain water may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw-off taps suitably placed so that the rain water may be drawn off for domestic, washing, gardening and such other purposes. The storage tanks shall be provided with an overflow.

   (iv) The surplus rain water after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphological and topographical condition, the pits may be of the size of 1.20 mt. width X 1.20 mt. length X 2.00 mt. to 2.50. mt. depth. The trenches can be of 0.60 mt. width X 2.00 to 6.00 mt. length X 1.50 to 2.00 mt. depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with filter media comprising the following materials.

   a) 40 mm stone aggregate as bottom layer upto 50% of the depth;
   b) 20 mm stone aggregate as lower middle layer upto 20% of the depth;
   c) Coarse sand as upper middle payer upto 20% of the depth;
   d) A thin layer of fine sand as top layer;
   e) Top 10% of the pits/ trenches will be empty and a splash is to be provided in this portion in such a way that roof top water falls on the splash pad.
   f) Brick masonry wall is to be constructed on the exposed surface of pits/ trenches and the cement mortar plastered.

The depth of wall below ground shall be such that the wall prevents lose soil entering into pits/ trenches. The projection of the wall above ground shall atleast be 15 cms.

g) Perforated concrete slabs shall be provided on the pits/trenches.

(v) If the open space surrounding the building is not paved, the top layer upto a sufficient depth shall be removed and refilled with course sand to allow percolation of rain water into ground.

2. The terrace shall be connected to the open well/borewell/storage tank/recharge pit/trench by means of HDPE/PVC pipes through filter media. A valve system shall be provided to enable the first washings from roof or terrace catchment, as they would contain undersirable dirt. The mouths of all pipes and opening shall be covered with mosquito (insect) proof wire net. For the efficient discharge of rain water, there shall be at least two rain water pipes of 100 mm dia mtr. for a roof area of 100 Sq. mt.

3. Rain water harvesting structures shall be sited as not to endanger the stability of building or earthwork. The structures shall be designed such that no dampness is caused in any part of the walls or foundation of the building or those of an adjacent building

4. The water so collected/recharged shall as far as possible be used for non-drinking and non-cooking purpose.

Provided that when the rain water in exceptional circumstances will be utilized for drinking and/or cooking purpose, it shall be ensured that proper filter arrangement and the separate outlet for by passing the first rain-water has been provided.

Provided further that it will be ensured that for such use, proper disinfectants and the water purification arrangements have been made.

ANNEXURE III B

Original NOC's office

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No.
CIDCO/BP-9271/TPO(NM & K)/2015/ 1220--

Date : 16 OCT 2015

To,
Tata Memorial Centre (ACTREC),
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai

ASSESSMENT ORDER NO.295/2015-16 REGISTER NO.01 PAGE NO.295

Unique Code No.	2	0	1	1	0	3	0	2	1	0	2	1	0	0	0	0	1

SUB:- Payment of Construction & Other Workers Welfare Cess charges for Construction of Hematolymphoid Block, Utility Room, Gas Bank on Plot No 1, Sector - 22 at Kharghar, Navi Mumbai.

REF:- 1) Your architect's application dated 17/07/2014 & 06/08/2015

ORDER OF ASSESSMENT OF CONSTRUCTION & OTHER WORKERS WELFARE CESS (AS PER BUILDING AND OTHER CONSTRUCTION WORKER'S WELFARE CESS RULES, 1998)

1.	Name of Assessee	:- Tata Memorial Centre (ACTREC),
2.	Location	:- Plot No.1, Sector - 22 at Kharghar, Navi Mumbai.
3.	Land use	:- Hospital
4.	Plot area	:- 160000.00 Sq. mtrs
5.	Permissible FSI	:- 1.0
6.	**GROSS BUA FOR ASSESSEMENT**	:- 12793.43 Sq.mtrs.
A)	**ESTIMATED COST OF CONSTN.**	:- 12793.43 Sq.mtrs. X 18000/- = Rs.230281740.00
B)	**AMOUNT OF CESS**	:- Rs.230281740.00 X 1%= Rs. 2302817.00
7)	Construction & Other Workers Welfare Cess charges paid Rs. 2302817/- vide Receipt No. 13696, dtd. 16/06/2015.	

Yours faithfully,
Manjula
16/10/15
(Manjula Nayak)
Sr. Planner (Bldg. Permission)
Navi Mumbai & Khopta

CIDCO
WE MAKE CITIES

ITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No: CIDCO/BP-9271/TPO(NM & K)/2015/ 12 21 Date : 16 OCT 2015

Unique Code No.	2	0	1	1	0	3	0	2	1	0	2	1	0	0	0	0	1

To,
Tata Memorial Centre (ACTREC),
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai

SUB :- Development Permission for Construction Construction of Hematolymphoid Block, Utility Room, Gas Bank on Plot No.1, Sector - 22 at Kharghar, Navi Mumbai

REF:- 1) Your architect's application dated 17/07/2014 & 06/08/2015
2) Fire NOC issued by Fire Officer, CIDCO vide letter No.CIDCO/Fire/Klm/696/2015, dtd.29/04/2015
3) Extension in time limit issued by M(TS-III), vide letter No.CIDCO/Estate-III/2014/2250, dtd. 23/07/2014
4) Height Clearance NOC issued by TPO, CIDCO vide letter No. CIDCO/TPO(NMK)/2015/615, dtd.30/01/2015
5) Aesthetic approval received from Sr. Planner vide letter No.CIDCO/Plng(CP)/2015/708, dtd. 07/05/2015

Dear Sir,

Please refer to your application for development permission for Construction of Hematolymphoid Block, Utility Room, Gas Bank on Plot No.1, Sector - 22 at Kharghar, Navi Mumbai.

The commencement certificate as required under section 45 of the Maharashtra Regional and Town Planning Act,1966 is also enclosed herewith for the structures referred above.

Nodal Executive Engineer should ensure that, the finished plinth level edge level of the proposed Archive & Record Storage building shall be minimum 750mm. above the proposed finished road edge level. In case the building is having stilt, the finished stilt level to the miniumum 300 mm. above the road edge level.

The Developer / individual Plot Owner should obtain the proposed finished road edge level from the concerned Nodal Executive Engineer.The Developer/ Plot Owner to ensure that the finished plinth level of the proposed buildings / shops to be minimum 750 mm above the proposed finished road edge level. In case, the building is having stilt, the finished stilt level to be minimum 300 mm. above the road edge level.

The approval for plumbing services i.e. drainage and water supply shall be separately obtained by the applicant from the concerned Executive Engineer(W/S), CIDCO prior to the commencement of the construction Work.

The Developers / Builders shall take all precautionary measures for prevention of Malaria breeding during the construction period of the project. If required , you can approach Health Department CIDCO, for orientation program and pest control at project site to avoid epidemic .

You will ensure that the building materials will not be stacked on the road during the contruction period.

You will ensure that two wheeled bins of HDPE material and of capacity 240 liters each (1 No. for Dry and 1 No. for Wet Garbage) will be provided at site before seeking occupancy certificate.

This Commecement Certificate is issued subject to submission of Environmental Clearance from Competent Authority at the time of applying for plinth.

Thanking you,

Yours faithfully,
Manjula 16/10/15
(Manjula Nayak)
Sr. Planner (Bldg. Permission)
Navi Mumbai & Khopta

C.C.TO: KICONS LIMITED
Namdhan 33/10, Lane No.5, Prabhat Road,
Deccan Gymkhana,
Pune – 411 004

CIDCO/BP-9271/TPO (NM & K)/2015 1221 DATE:- 16 OCT 2015

CITY & INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARSHTRA LTD

COMMENCEMENT CERTIFICATE

Permission is hereby granted under section – 45 of the Maharashtra Regional and Town Planning Act.1966 (Maharashtra XXIVII) of 1966 to **Tata Memorial Centre (ACTREC) Plot No. 01, Sector-22, Kharghar, Navi Mumbai.** As per the approved plans and subject to the following conditions for the development work of the proposed **Hematolyphoid, (Gr.+ 5thfloor) of BUA=12038.80 Sq. Mts, Utility Room Of BUA = 668.23Sq.Mts, Gas Bank Of BUA = 86.40Sq.Mts. Total Proposed BUA = 12793.43 Sq.Mts.**

Note: This Commencement Certificate is valid up to plinth level only. The further order will be given after the plinth is inspected and plinth Completion Certificate is issued.

This Commencement Certificate is issued subject to submission of Environmental Clearance from competent authority at time of applying for plinth

1. **This Certificate is liable to be revoked by the Corporation if:-**
   - 1(a) The development work in respect of which permission is granted under this certificate is not carried out or the use thereof is not in accordance with the Sanctioned plans.
   - 1(b) Any of the conditions subject to which the same is granted or any of the restrictions imposed upon by the corporation, is contravened.
   - 1(c) The Managing Director is satisfied that the same is obtained by the applicant through fraud or Misrepresentation and the applicant and/or any person deriving title under him, in such an event shall be deemed to have carried out the development work in contravention of section – 43 or 45 of the Maharashtra Regional and Town Planning Act- 1966.
2. **The applicant shall:-**
   - 2(a) Give a notice to the Corporation for completion of development work up to plinth level, at least 7 days before the commencement of the further work.
   - 2(b) Give written notice to the Corporation regarding completion of the work.
   - 2(c) Obtain Occupancy Certificate from the Corporation.
   - 2(d) Permit authorized officers of the Corporation to enter the building or premises for which the permission has been granted, at any time for the purpose of ensuring the building control Regulations and conditions of this certificate.
3. The structural design, building materials, installations, electrical installations etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code or and/or GDCRs- 1975 in force.

4. The Certificate shall remain valid for period of 1 year from the date of its issue; thereafter revalidation of the same shall be done in accordance with provision of Section – 48 of MRTP Act- 1966 and as per regulations no. 16.1(2) of the GDCRs – 1975

5. The conditions of this certificate shall be binding not only on the applicant but also on its successors and/or every person deriving title through or under him.

6. A certified copy of the approved plan shall be exhibited on site.

7. The amount of Rs. Nil/- deposited with CIDCO as security deposit shall be forfeited either in whole or in part at the absolute discretion of the Corporation for breach of any of the conditions attached to the permission covered by the Commencement Certificate. Such forfeiture shall be without prejudice to any other remedy or right of Corporation.

8. "Every Building shall be provided with underground and over head water tank. The capacity of the tanks shall be as per norms fixed by CIDCO. In case of high rise buildings under ground and over head water tank shall be provided as per the fire fighting requirements of CIDCO. The applicant shall seek approval of the EE (Water Supply) of CIDCO in respect of capacity of domestic water tanks. The applicant shall seek approval of the Fire Officer of CIDCO in respect of capacity of water tanks for the fire fighting purpose".

9. You shall approach Executive Engineer, M.S.E.B. for the power requirements, location of transformer, if any, etc.

10. As per Govt. of Maharashtra memorandum vide No. TBP/4393/1504/C4-287/94, UD-11/RDP, Dated 19th July, 1994 for all buildings following additional conditions shall apply.

i) As soon as the development permission for new construction or re-development is obtained by the Owners/Developer, he shall install a 'Display Board' on the conspicuous place on site indicating following details.

a) Name and address of the owner/developer, Architect and Contractor.

b) Survey Number/City survey Number, Plot Number/Sector & Node of Land under reference along with description of its boundaries.

c) Order Number and date of grant of development permission or re-development permission issued by the Planning Authority or any other authority.

d) Number of Residential flats/Commercial Units with areas.

e) Address where copies of detailed approved plans shall be available for inspection.

ii) A notice in the form of an advertisement, giving all the detailed mentioned in (i) above, shall be published in two widely circulated newspapers one of which should be in regional language.

11 As per the notification dtd. 14th September 1999 and amendment on 27th August 2003, issued by Ministry of Environment & Forest (MOEF), Govt. of India and as per Circular issued by

CIDCO/BP-9271/TPO (NM & K)/2015 1221 DATE:- 16 OCT 2015

Urban Development Deptt., Govt. of Maharashtra, vide No. FAR/102004/160/P. No. 27/UD-20, dtd. 27/02/2004, for all Buildings following additional condition shall apply.

The Owners/Developer shall use Fly Ash bricks or blocks or tiles or clay fly ash bricks or cement fly ash bricks or blocks or similar products or a combination of aggregate of them to the extent of 100 % (by volume) of the total bricks, blocks & tiles as the case may be in their construction activity.

12. As directed by the Urban Development Dep't. Government of Maharashtra, under Section -154 of MR & TP Act- 1966 and vide Provision No. TPB 432001/2133/CR-230/01/UD-11, dated 10/03/2005, for all buildings, greater than 300.00 Sq. m. following additional condition of Rain Water Harvesting shall apply.

a) All the layout open spaces/amenities spaces of Housing Society and new construction /reconstruction / additions on plots having area not less than 300.00 Sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in schedule (enclosed).

Provided that the authority may approve the Rain water Harvesting Structures of specifications different from those in Schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.

b) The owner/society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.

c) The Authority may impose a levy of not exceeding Rs. 100/- per annum for every 100 Sq. m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting structures as required under these byelaws.

Manjula
16/10/15
(Manjula Nayak)
Sr. Planner (BP)/TPO
Navi Mumbai &Khopta

C.C. TO: Architects

M/s Kicons Limited
Namdhan 33/10, Lane No.5, Prabhat Road,
Deccan Gymkhana, Pune-41104
C.C. TO: Separately to:

1. M (TS-III)
2. CUC
3. EE (KHR)
4. EE (WS)

CIDCO/BP-9271/TPO (NM & K)/2015 1221 DATE:- 16 OCT 2015

SCHEDULE

RAIN WATER HARVESTING

Rain Water Harvesting in a building site includes storage or recharging into ground of rain water falling on the terrace or on any paved or unpaved surface within the building site.

1. The following systems may be adopted for harvesting the rain water drown from terrace and the paved surface.

(i) **Open well** of a minimum of 1.00 mt.dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non potable domestic purposes such as washing, flushing and for watering the garden etc.

Rain water harvesting for recharge of ground water may be done through a **bore well** around which a pit of one meter width may be excavated upto a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rain water may be channeled to the refilled pit for recharging the bore well.

(iii) An impervious surface/ underground storage tank of required capacity may be constructed in the setback or other open space and the rain water may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw-off taps suitably placed so that the rain water may be drawn off for domestic, washing, gardening and such other purposes. The storage tanks shall be provided with an overflow.

(iv) The surplus rain water after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphologic and topographical condition, the pits may be of the size of 1.20 mt. width X 1.20 mt. length X 2.00 mt. to 2.50. mt. depth. The trenches can be of 0.60 mt. width X 2.00 to 6.00 mt. length X 1.50 to 2.00 mt.depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with filter media comprising the following materials.

a) 40 mm stone aggregate as bottom layer upto 50% of the depth;

b) 20 mm stone aggregate as lower middle layer upto 20% of the depth;

c) Coarse sand as upper middle payer upto 20% of the depth;

d) A thin layer of fine sand as top layer;

e) Top 10% of the pits/ trenches will be empty and a splash is to be provided in this portion in such a way that roof top water falls on the splash pad.

f) Brick masonry wall is to be constructed on the exposed surface of pits/ trenches and the cement mortar plastered. The depth of wall below ground shall be such that the

ANNEXURE III C

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No.
CIDCO/BP-9271/TPO(NM & K)/2016 1595-.

Date : 13 FEB 2016

To,
Tata Memorial Centre (ACTREC),
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai

ASSESSMENT ORDER NO.288/2015-16 REGISTER NO.01 PAGE NO.288

Unique Code No.	2	0	1	1	0	3	0	2	1	0	2	1	0	0	0	0	1

SUB:- Payment of Construction & Other Workers Welfare Cess charges for Construction of Archive and Record Storage on Plot No.1 & 2, Sector - 22 at Kharghar, Navi Mumbai.

REF:- 1) Your architect's application dated 28/05/2015 & 22/12/2015

ORDER OF ASSESSMENT OF CONSTRUCTION & OTHER WORKERS WELFARE CESS (AS PER BUILDING AND OTHER CONSTRUCTION WORKER'S WELFARE CESS RULES, 1998)

1.	Name of Assessee	:- Tata Memorial Centre (ACTREC),
2.	Location	:- Plot No.2, Sector - 22 at Kharghar, Navi Mumbai.
3.	Land use	:- Hospital
4.	Plot area	:- 240036.49 Sq. mtrs
5.	Permissible FSI	:- 1.0
6.	**GROSS BUA FOR ASSESSEMENT**	:- 3659.89 Sq.mtrs.
A)	**ESTIMATED COST OF CONSTN.**	:- 3659.89 Sq.mtrs. X 18000/- = Rs.65878020.00
B)	**AMOUNT OF CESS**	:- Rs.65878020.00 X 1%= Rs. 658780.20

7) Construction & Other Workers Welfare Cess charges paid Rs.6,58,782/- vide (i) Receipt No. 13432, dtd. 06/04/2013, amount of Rs.2,63,513/-, (ii) Receipt No.14636, dtd. 19/01/2016, amount of Rs.3,95,269/-.

This assessment order is supercedes the earlier assement order No.09/2015-16, dtd. 09/04/2015

Yours faithfully,
Manjula
3/2/16
(Manjula Nayak)
Sr. Planner (Bldg. Permission)
Navi Mumbai & Khopta

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No.

Date : 13 FEB 2016

CIDCO/BP-9271/TPO(NM & K)/2016/ 1596-

To,
Tata Memorial Centre (ACTREC),
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai

SUB :- Amended Development Permission for Construction Construction of Archive and Record Storage on Plot No.2, Sector - 22 at Kharghar, Navi Mumbai

REF:- 1) Your architect's application dated 28/05/2015 & 22/12/2015
2) Amended Fire NOC issued by Admin (FO & STO) vide letter No.CIDCO/FIRE/KHR/2015/258, dtd.17/12//2015
3) Extension in time limit issued by M(TS-III), vide letter No.CIDCO/Estate-III/2014/2250, dtd. 23/07/2014
4) Height Clearance NOC issued by AAI vide letter No. BT-1/NOC/MUM/13/NM/NOCAS/224/708/742, dtd.03/05/2013

Dear Sir,

Please refer to your application for amended development permission for Construction of Archive and Record Storage on Plot No.1 & 2, Sector - 22 at Kharghar, Navi Mumbai.

The commencement certificate as required under section 45 of the Maharashtra Regional and Town Planning Act,1966 is also enclosed herewith for the structures referred above.

Nodal Executive Engineer should ensure that, the finished plinth level edge level of the proposed Archive & Record Storage building shall be minimum 750mm. above the proposed finished road edge level. In case the building is having stilt, the finished stilt level to the miniumum 300 mm. above the road edge level.

Unique Code No.	2	0	1	1	0	3	0	2	1	0	2	1	0	0	0	0	1

The Developer / individual Plot Owner should obtain the proposed finished road edge level from the concerned Nodal Executive Engineer.The Developer/ Plot Owner to ensure that the finished plinth level of the proposed buildings / shops to be minimum 750 mm above the proposed finished road edge level. In case, the building is having stilt, the finished stilt level to be minimum 300 mm. above the road edge level.

The approval for plumbing services i.e. drainage and water supply shall be separately obtained by the applicant from the concerned Executive Engineer(W/S), CIDCO prior to the commencement of the construction Work.

The Developers / Builders shall take all precautionary measures for prevention of Malaria breeding during the construction period of the project. If required , you can approach Health Department CIDCO, for orientation program and pest control at project site to avoid epidemic .

You will ensure that the building materials will not be stacked on the road during the contruction period.

You will ensure that two wheeled bins of HDPE material and of capacity 240 liters each (1 No. for Dry and 1 No. for Wet Garbage) will be provided at site before seeking occupancy certificate.

This Set of drawing supersedes the earlier set of drawings.

Thanking you,

Yours faithfully,
Manjula
3/2/16
(Manjula Nayak)
Sr. Planner (Bldg. Permission)
Navi Mumbai & Khopta

C.C.TO: Architect Design Ideas,
102, Vasant Kunj, Plot No.163/E,
Dr. B.A. Road, Opp. Parsi Gymkhana,
Dadar (E), Mumbai- 400 014.

CIDCO/BP-9271/TPO (NM & K)/2015 1596 - DATE:- 13 FEB 2016

CITY & INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARSHTRA LTD

AMENDED COMMENCEMENT CERTIFICATE

Permission is hereby granted under section – 45 of the Maharashtra Regional and Town Planning Act.1966 (Maharashtra XXIVII) of 1966 to **Tata Memorial Centre (ACTREC) Plot No. 01 & 02, Sector-22, Kharghar, Navi Mumbai.** As per the approved plans and subject to the following conditions for the development work of the proposed **Archive & Record Storage Building (Gr.+4th floor), Proposed BUA = 3085.44 Sq. Mts.**

Note: This Commencement Certificate is valid up to plinth level only. The further order will be given after the plinth is inspected and plinth Completion Certificate is issued.

1. **This Certificate is liable to be revoked by the Corporation if:-**
   - 1(a) The development work in respect of which permission is granted under this certificate is not carried out or the use thereof is not in accordance with the Sanctioned plans.
   - 1(b) Any of the conditions subject to which the same is granted or any of the restrictions imposed upon by the corporation is contravened.
   - 1(c) The Managing Director is satisfied that the same is obtained by the applicant through fraud or Misrepresentation and the applicant and/or any person deriving title under him, in such an event shall be deemed to have carried out the development work in contravention of section – 43 or 45 of the Maharashtra Regional and Town Planning Act- 1966.
2. **The applicant shall:-**
   - 2(a) Give a notice to the Corporation for completion of development work up to plinth level, at least 7 days before the commencement of the further work.
   - 2(b) Give written notice to the Corporation regarding completion of the work.
   - 2(c) Obtain Occupancy Certificate from the Corporation.
   - 2(d) Permit authorized officers of the Corporation to enter the building or premises for which the permission has been granted, at any time for the purpose of ensuring the building control Regulations and conditions of this certificate.
3. The structural design, building materials, installations, electrical installations etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code or and/or GDCRs- 1975 in force.
4. The Certificate shall remain valid for period of 1 year from the date of its issue; thereafter revalidation of the same shall be done in accordance with provision of Section – 48 of MRTP Act- 1966 and as per regulations no. 16.1(2) of the GDCRs – 1975
5. The conditions of this certificate shall be binding not only on the applicant but also on its successors and/or every person deriving title through or under him.

6. A certified copy of the approved plan shall be exhibited on site.

7. The amount of **Rs. Nil/-** deposited with CIDCO as security deposit shall be forfeited either in whole or in part at the absolute discretion of the Corporation for breach of any of the conditions attached to the permission covered by the Commencement Certificate. Such forfeiture shall be without prejudice to any other remedy or right of Corporation.

8. "Every Building shall be provided with underground and over head water tank. The capacity of the tanks shall be as per norms fixed by CIDCO. In case of high rise buildings under ground and over head water tank shall be provided as per the fire fighting requirements of CIDCO. The applicant shall seek approval of the EE (Water Supply) of CIDCO in respect of capacity of domestic water tanks. The applicant shall seek approval of the Fire Officer of CIDCO in respect of capacity of water tanks for the fire fighting purpose".

9. You shall approach Executive Engineer, M.S.E.B. for the power requirements, location of transformer, if any, etc.

10. As per Govt. of Maharashtra memorandum vide No. TBP/4393/1504/C4-287/94, UD-11/RDP, Dated 19th July, 1994 for all buildings following additional conditions shall apply.

i) As soon as the development permission for new construction or re-development is obtained by the Owners/Developer, he shall install a 'Display Board' on the conspicuous place on site indicating following details.

a) Name and address of the owner/developer, Architect and Contractor.

b) Survey Number/City survey Number, Plot Number/Sector & Node of Land under reference along with description of its boundaries.

c) Order Number and date of grant of development permission or re-development permission issued by the Planning Authority or any other authority.

d) Number of Residential flats/Commercial Units with areas.

e) Address where copies of detailed approved plans shall be available for inspection.

ii) A notice in the form of an advertisement, giving all the detailed mentioned in (i) above, shall be published in two widely circulated newspapers one of which should be in regional language.

11 As per the notification dtd. 14th September 1999 and amendment on 27th August 2003, issued by Ministry of Environment & Forest (MOEF), Govt. of India and as per Circular issued by Urban Development Deptt., Govt. of Maharashtra, vide No. FAR/102004/160/P. No. 27/UD-20, dtd. 27/02/2004, for all Buildings following additional condition shall apply.

The Owners/Developer shall use Fly Ash bricks or blocks or tiles or clay fly ash bricks or cement fly ash bricks or blocks or similar products or a combination of aggregate of them to the extent of 100 % (by volume) of the total bricks, blocks & tiles as the case may be in their construction activity.

12. As directed by the Urban Development Dep't. Government of Maharashtra, under Section -154 of MR & TP Act- 1966 and vide Provision No. TPB 432001/2133/CR-230/01/UD-11, dated 10/03/2005, for all buildings, greater than 300.00 Sq. m. following additional condition of Rain Water Harvesting shall apply.

a) All the layout open spaces/amenities spaces of Housing Society and new construction /reconstruction / additions on plots having area not less than 300.00 Sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in schedule (enclosed).

Provided that the authority may approve the Rain water Harvesting Structures of specifications different from those in Schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.

b) The owner/society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.

c) The Authority may impose a levy of not exceeding Rs. 100/- per annum for every 100 Sq. m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting structures as required under these byelaws.

Manjula
3/2/16

(Manjula Nayak)
Sr. Planner (Bldg. Planner)
Navi Mumbai & Khopta

C.C. TO: Architects

M/s Design Ideas
102, Vasant Kunj, Plot No. 163/E,
Dr. B.A. Road, Opp. Parsi Gymkhana,
Dadar (E), Mumbai-400014

C.C. TO: Separately to:

1. M (TS)
2. CUC
3. EE (KHR)
4. EE (WS)

SCHEDULE

RAIN WATER HARVESTING

Rain Water Harvesting in a building site includes storage or recharging into ground of rain water falling on the terrace or on any paved or unpaved surface within the building site.

1. The following systems may be adopted for harvesting the rain water drown from terrace and the paved surface.

(i) **Open well** of a minimum of 1.00 mt. dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non potable domestic purposes such as washing, flushing and for watering the garden etc.

Rain water harvesting for recharge of ground water may be done through a **bore well** around which a pit of one meter width may be excavated upto a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rain water may be channeled to the refilled pit for recharging the bore well.

(iii) An impervious surface/ underground storage tank of required capacity may be constructed in the setback or other open space and the rain water may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw-off taps suitably placed so that the rain water may be drawn off for domestic, washing, gardening and such other purposes. The storage tanks shall be provided with an overflow.

(iv) The surplus rain water after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphologic and topographical condition, the pits may be of the size of 1.20 mt. width X 1.20 mt. length X 2.00 mt. to 2 50. mt. depth. The trenches can be of 0.60 mt. width X 2.00 to 6.00 mt. length X 1.50 to 2.00 mt. depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with filter media comprising the following materials.

a) 40 mm stone aggregate as bottom layer upto 50% of the depth;

b) 20 mm stone aggregate as lower middle layer upto 20% of the depth;

c) Coarse sand as upper middle payer upto 20% of the depth;

d) A thin layer of fine sand as top layer;

e) Top 10% of the pits/ trenches will be empty and a splash is to be provided in this portion in such a way that roof top water falls on the splash pad.

f) Brick masonry wall is to be constructed on the exposed surface of pits/ trenches and the cement mortar plastered. The depth of wall below ground shall be such that the wall prevents lose soil entering into pits/ trenches. The projection of the wall above ground shall at least be 15 cms.

g) Perforated concrete slabs shall be provided on the pits/trenches.

(v) If the open space surrounding the building is not paved, the top layer upto a sufficient depth shall be removed and refilled with course sand to allow percolation of rain water into ground.

2. The terrace shall be connected to the open well/bore well/storage tank/recharge pit/trench by means of HDPE/PVC pipes through filter media. A valve system shall be provided to enable the first washings from roof or terrace catchments, as they would contain undesirable dirt. The mouths of all pipes and opening shall be covered with mosquito (insect) proof wire net. For the efficient discharge of rain water, there shall be at least two rain water pipes of 100 mm dia mtr. for a roof area of 100 Sq. mt.

3. Rain water harvesting structures shall be sited as not to endanger the stability of building or earthwork. The structures shall be designed such that no dampness is caused in any part of the walls or foundation of the building or those of an adjacent building

4. The water so collected/recharged shall as far as possible be used for non-drinking and non-cooking purpose.

Provided that when the rain water in exceptional circumstances will be utilized for drinking and/or cooking purpose, it shall be ensured that proper filter arrangement and the separate outlet for by passing the first rain-water has been provided.

Provided further that it will be ensured that for such use, proper disinfectants and the water purification arrangements have been made.

ANNEXURE III D

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8100

Ref. No.

CIDCO/BP-15374/TPO(NM)/2017/ 2338

Date : 23 JAN 2017

To,
Tata Memorial Centre (ACTREC),
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai

SUB :- Development Permission for Construction of Dormitory Building (ASHA NIWAS) on Plot No.1, Sector - 22 at Kharghar, Navi Mumbai

REF:- 1) Your architect's application dated 15/11/2016
2) Fire NOC issued by Chief Fire Officer, CIDCO vide letter No.CIDCO/Fire/HQ/616/2016, dtd.19/12/2016
3) Extension in time limit issued by M(TS-III), vide letter No.CIDCO/Estate-III/2014/2250, dtd. 23/07/2014
4) Height Clearance NOC issued by this office vide letter No. CIDCO/TPO(N&MK)/2016/1335, dtd. 06/10/2016

Dear Sir,

Please refer to your application for development permission for Construction of Dormitory Building on Plot No.1 Sector- 22 at Kharghar, Navi Mumbai.

The commencement certificate as required under section 45 of the Maharashtra Regional and Town Planning Act,1966 is also enclosed herewith for the structures referred above.

Nodal Executive Engineer should ensure that, the finished plinth level edge level of the proposed Dormitory building (Asha Niwas) shall be minimum 750mm. above the proposed finished road edge level. In case the building is having stilt, the finished stilt level to the miniumum 300 mm. above the road edge level.

The Developer / individual Plot Owner should obtain the proposed finished road edge level from the concerned Nodal Executive Engineer.The Developer/ Plot Owner to ensure that the finished plinth level of the proposed buildings / shops to be minimum 750 mm above the proposed finished road edge level. In case, the building is having stilt, the finished stilt level to be minimum 300 mm. above the road edge level.

The approval for plumbing services i.e. drainage and water supply shall be separately obtained by the applicant from the concerned Executive Engineer(W/S), CIDCO prior to the commencement of the construction Work.

The Developers / Builders shall take all precautionary measures for prevention of Malaria breeding during the construction period of the project. If required , you can approach Health Department CIDCO, for orientation program and pest control at project site to avoid epidemic.

You will ensure that the building materials will not be stacked on the road during the contruction period.

You will ensure that two wheeled bins of HDPE material and of capacity 240 liters each (1 No. for Dry and 1 No. for Wet Garbage) will be provided at site before seeking occupancy certificate.

Note : Development permission/Commencement Certificate will be issued subject to the condition that "The applicant shall obtain prior environment clearance to the project before initiating any construction on site".

Thanking you,

Yours faithfully,

20/01/2017

(Jagdish B. Patil)
Associate Planner (Bldg. Permission)
Navi Mumbai

REF.NO.CIDCO/BP-15374/TPO(NM) /2017/ 2338 1 DATE:- 23 JAN 2017

CITY & INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARSHTRA LTD

AMENDED COMMENCEMENT CERTIFICATE

Permission is hereby granted under section – 45 of the Maharashtra Regional and Town Planning Act. 1966 (Maharashtra XXXVII) of 1966 to **M/s. Tata Memorial Centre (ACTREC) on Plot No.1, Sector- 22, Kharghar, Navi Mumbai.** As per the approved plans and subject to the following conditions for the development work of the proposed **Instututional Building (Stilt + 12 Floors) Institutional BUA = 13210.24 Sq. Mts.;**

Note : 1) Development permission/Commencement Certificate will be issued subject to the condition that "The applicant shall obtain prior environment clearance to the project before initiating any construction on site".

2) Labour Cess for the said building shall be paid to concerned authority befor applying for Occupancy Certificate.

A) This Commencement Certificate is valid up to plinth level only. The further order will be given after the plinth is inspected and plinth Completion Certificate is issued.

B) Applicant should construct hutments for labours at site.

C) Applicant should provide drinking water and toilet facility for labours at site.

1. This Certificate is liable to be revoked by the Corporation if:-

1(a) The development work in respect of which permission is granted under this certificate is not carried out or the use thereof is not in accordance with the Sanctioned plans.

1(b) Any of the conditions subject to which the same is granted or any of the restrictions imposed upon by the corporation is contravened.

1(c) The Managing Director is satisfied that the same is obtained by the applicant through fraud or Misrepresentation and the applicant and/or any person deriving title under him, in such an event shall be deemed to have carried out the development work in contravention of section – 43 or 45 of the Maharashtra R egional and Town Planning Act- 1966.

2. **The applicant shall:-**

2(a) Give a notice to the Corporation for completion of development work up to plinth level, at least 7 days before the commencement of the further work.

2(b) Give written notice to the Corporation regarding completion of the work.

2(c) Obtain Occupancy Certificate from the Corporation.

2(d) Permit authorized officers of the Corporation to enter the building or premises for which the permission has been granted, at any time for the purpose of ensuring the building control Regulations and conditions of this certificate.

3. The structural design, building materials, installations, electrical installations etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code or and/or GDCRs- 1975 in force.

4. The Certificate shall remain valid for period of 1 year from the date of its issue; thereafter revalidation of the same shall be done in accordance with provision of Section – 48 of MRTP Act- 1966 and as per regulations no. 16.1(2) of the GDCRs – 1975.

The Owners/Developer shall use Fly Ash bricks or blocks or tiles or clay fly ash bricks or cement fly ash bricks or blocks or similar products or a combination of aggregate of them to the extent of 100 % (by volume) of the total bricks, blocks & tiles as the case may be in their construction activity.

12. As directed by the Urban Development Dep't. Government of Maharashtra, under Section -154 of MR & TP Act- 1966 and vide Provision No. TPB 432001/2133/CR-230/01/UD-11, dated 10/03/2005, for all buildings, greater than 300.00 Sq. m. following additional condition of Rain Water Harvesting shall apply.

a) All the layout open spaces/amenities spaces of Housing Society and new construction /reconstruction / additions on plots having area not less than 300.00 Sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in schedule (enclosed).

Provided that the authority may approve the Rain water Harvesting Structures of specifications different from those in Schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.

b) The owner/society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.

c) The Authority may impose a levy of not exceeding Rs. 100/- per annum for every 100 Sq. m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting structures as required under these byelaws.

(Jagdish B. Patil)
Associate Planner (Bldg. Permission)
Navi Mumbai

C.C.TO: Planoscapers Architects & Planners,
4-C Wing, ground floor, Sankalpa Siddhi CHS,
Behaind St. Joseph Church, Station Road,
Vikhroli(W), Mumbai- 400 079

C.C. TO: Separately to:

1. M (TS-II)
2. CUC
3. EE (Kharghar)
4. EE (W/S)

SCHEDULE

RAIN WATER HARVESTING

Rain Water Harvesting in a building site includes storage or recharging into ground of rain water falling on the terrace or on any paved or unpaved surface within the building site.

1. The following systems may be adopted for harvesting the rain water drown from terrace and the paved surface.

   (i) **Open well** of a minimum of 1.00 mt. dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non potable domestic purposes such as washing, flushing and for watering the garden etc.

   (ii) Rain water harvesting for recharge of ground water may be done through a **bore well** around which a pit of one metre width may be excavated upto a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rain water may be channeled to the refilled pit for recharging the borewell.

   (iii) An impervious surface/ underground storage tank of required capacity may be constructed in the setback or other open space and the rain water may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw-off taps suitably placed so that the rain water may be drawn off for domestic, washing, gardening and such other purposes. The storage tanks shall be provided with an overflow.

   (iv) The surplus rain water after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphological and topographical condition, the pits may be of the size of 1.20 mt. width X 1.20 mt. length X 2.00 mt. to 2.50. mt. depth. The trenches can be of 0.60 mt. width X 2.00 to 6.00 mt. length X 1.50 to 2.00 mt. depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with filter media comprising the following materials.

   a) 40 mm stone aggregate as bottom layer upto 50% of the depth;
   b) 20 mm stone aggregate as lower middle layer upto 20% of the depth;
   c) Coarse sand as upper middle payer upto 20% of the depth;
   d) A thin layer of fine sand as top layer;
   e) Top 10% of the pits/ trenches will be empty and a splash is to be provided in this portion in such a way that roof top water falls on the splash pad.
   f) Brick masonry wall is to be constructed on the exposed surface of pits/ trenches and the cement mortar plastered,

      The depth of wall below ground shall be such that the wall prevents lose soil entering into pits/ trenches. The projection of the wall above ground shall atleast be 15 cms.

   g) Perforated concrete slabs shall be provided on the pits/trenches.

(v) If the open space surrounding the building is not paved, the top layer upto a sufficient depth shall be removed and refilled with course sand to allow percolation of rain water into ground.

2. The terrace shall be connected to the open well/borewel/storage tank/recharge pit/trench by means of HDPE/PVC pipes through filter media. A valve system shall be provided to enable the first washings from roof or terrace catchment, as they would contain undersirable dirt. The mouths of all pipes and opening shall be covered with mosquito (insect) proof wire net. For the efficient discharge of rain water, there shall be at least two rain water pipes of 100 mm dia mtr. for a roof area of 100 Sq. mt.

3. Rain water harvesting structures shall be sited as not to endanger the stability of building or earthwork. The structures shall be designed such that no dampness is caused in any part of the walls or foundation of the building or those of an adjacent building.

4. The water so collected/recharged shall as far as possible be used for non-drinking and non-cooking purpose.

Provided that when the rain water in exceptional circumstances will be utilized for drinking and/or cooking purpose, it shall be ensured that proper filter arrangement and the separate outlet for by passing the first rain-water has been provided.

Provided further that it will be ensured that for such use, proper disinfectants and the water purification arrangements have been made.

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2282 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/BP-15162/TPO(NM)/2017/ 2741 **Date :** 16 OCT 2017

To.
Tata Memorial Centre (ACTREC),
Plot no. 1 & 2, Sector 22,
Kharghar, Navi Mumbai.

SUB:- **Development Permission for Construction of Bio-Bank Storage Building on plot no. 1 & 2, Sector 22 at Kharghar, NaviMumbai.**

REF :-

1) Your Architect's application, dated 30/03/2016.
2) Extension in time limit issued by (MTS -III), vide letter no. CIDCO/Estate-III/2014/2250, dtd. 23/07/2014.
3) Height Clearance NOC issued by this office vide letter no. CIDCO/TPO (NM & K)/2016/ 123, dtd. 23/02/2016
4) CC issued by this office vide letter no EE(BP)/ATPO/1406, dtd. 11/10/1994.
5) CC issued by this office vide letter no. EE(BP)/ATPO/1406, dtd. 11/10/1994.
6) CC issued by this office vide letter no. EE(BP)/ATPO/167, dtd. 14/06/1995.
7) CC issued by this office vide letter no. EE(BP)/ATPO/1379, dtd. 5/2/1996.
8) CC issued by this office vide letter no. EE(BP)/ATPO/811, dtd. 28/8/1997.
9) CC issued by this office vide letter no EE(BP)/ATPO/1136, dtd. 2/3/1998.
10) CC issued by this office vide letter no. EE(BP)/ATPO/2923, dtd. 15/1/2001.
11) CC issued by this office vide letter no. CIDCO(BP)/ATPO/87, dtd 24/4/2007.
12) CC issued by this office vide letter no. CIDCO(BP)/ATPO/1073, dtd. 19/8/2008.
13) CC issued by this office vide letter no. CIDCO(BP)/ATPO/1114, dtd. 28/10/2008.
14) CC issued by this office vide letter no. CIDCO/ATPO/BP-9079/2012/756, dtd. 30/8/2012.
15) CC issued by this office vide letter no. CIDCO/BP/9271/TPO(NM&K)/2015/1221, dtd. 16/10/2015.
16) CC issued by this office vide letter no. CIDCO/BP/9079/TPO(NM&K)/2015/1223, dtd. 16/10/2015.
17) CC issued by this office vide letter no. CIDCO/BP/9271/TPO(NM&K)/2015/1606, dtd. 3/2/2016.
18) CC issued by this office vide letter no. CIDCO/BP/15374/TPO(NM&K)/2016/2338, dtd. 23/1/2017.

Dear Sir,

Please refer to your application for development permission for construction of Bio - Bank Storage building on plot no. 1 & 2, Sector 22 at Kharghar, Navi Mumbai.

The Commencement certificate as required under section 45 of the Maharashtra Regional and Town Planning Act, 1966 is also enclosed herewith for the structures refered above.

Model executive engineer should ensure that, finished plinth level edge of the proposed Bio-Bank storage building shall be minimum 750mm, above the proposed finished level edge level. In case the building is having stilt, the finished stilt level to the minimum 300mm. above the road edge level

The Developer / Individual Plot Owner should obtain the proposed finished road edge level from the concerned Model Executive Engineer. The Developer Plot Owner to ensure that the finished plinth level of the proposed buildings / shops to be minimum 750mm above the proposed finished road edge evel. In case, the building is having stilt, the finished stilt level to be minimum 300mm. above the road edge level.

The approval for plumbing services i.e. drainage and water supply shall be separately obtained by the applicant from the concerned Executive Engineer(W/S), CIDCO prior to the commencement of the construction Work.

The Develop ers / Builders shall take all precautionary measures for prevention of Malaria breeding during the construction period of the project. If required, you can approach Health Department CIDCO, for orientation program and pest control at project site to avoid epidemic.

You will ensure that the building materials will not be stacked on the road during the construction period.

You will ensure that two wheeled bins of HDFE material and capacity 240 liters each (1 NO. for Dry and 1 No. for Wet Garbage) will be provided at site before seeking occupancy certificate

Thanking you.

Yours faithfully,

Mithilesh Patil
Associate Planner (BP)

REF.NO.CIDCO/BP-15162/TPO(NM)/2017/2741/14 DATE:- 16 OCT 2017

CITY & INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARSHTRA LTD

AMENDED COMMENCEMENT CERTIFICATE

Permission is hereby granted under section – 45 of the Maharashtra Regional and Town Planning Act, 1966 (Maharashtra XXXVII) of 1966 to M/s. Tata Memorial Centre (ACTREC) on Plot No.1 & 2, Sector- 22, Kharghar, Navi Mumbai. As per the approved plans and subject to the following conditions for the development work of the proposed Bio- Bank Storage Building (Ground floor) Net BUA = 119.88 Sq. Mts.

Note : 1) Development permission/Commencement Certificate will be issued subject to the condition that "The applicant shall obtain prior environment clearance to the project before initiating any construction on site".

2) Labour Cess for the said building shall be paid to concerned authority befor applying for Occupancy Certificate.

A) This Commencement Certificate is valid up to plinth level only. The further order will be given after the plinth is inspected and plinth Completion Certificate is issued.

B) Applicant should construct hutments for labours at site.

C) Applicant should provide drinking water and toilet facility for labours at site.

1 This Certificate is liable to be revoked by the Corporation if:-

1(a) The development work in respect of which permission is granted under this certificate is not carried out or the use thereof is not in accordance with the Sanctioned plans.

1(b) Any of the conditions subject to which the same is granted or any of the restrictions imposed upon by the corporation is contravened

1(c) The Managing Director is satisfied that the same is obtained by the applicant through fraud or Misrepresentation and the applicant and/or any person deriving title under him, in such an event shall be deemed to have carried out the development work in contravention of section – 43 or 45 of the Maharashtra Regional and Town Planning Act- 1966.

2. The applicant shall:-

2(a) Give a notice to the Corporation for completion of development work up to plinth level, at least 7 days before the commencement of the further work.

2(b) Give written notice to the Corporation regarding completion of the work.

2(c) Obtain Occupancy Certificate from the Corporation.

2(d) Permit authorized officers of the Corporation to enter the building or premises for which the permission has been granted, at any time for the purpose of ensuring the building control Regulations and conditions of this certificate.

3. The structural design, building materials, installations, electrical installations etc. shall be in accordance with the provision (except for provision in respect of floor area ratio) as prescribed in the National Building Code or and/or GDCRs- 1975 in force.

4. The Certificate shall remain valid for period of 1 year from the date of its issue; thereafter revalidation of the same shall be done in accordance with provision of Section – 48 of MRTP Act- 1966 and as per regulations no. 16.1(2) of the GDCRs – 1975.

REF.NO.CIDCO/BP-15162/TPO(NM) /2017/ 2741 DATE:- 16 OCT 2017

5. The conditions of this certificate shall be binding not only on the applicant but also on its successors and/or every person deriving title through or under him.

6. A certified copy of the approved plan shall be exhibited on site.

7. The amount of NIL/- deposited with CIDCO as security deposit shall be forfeited either in whole or in part at the absolute discretion of the Corporation for breach of any of the conditions attached to the permission covered by the Commencement Certificate. Such forfeiture shall be without prejudice to any other remedy or right of Corporation.

8. "Every Building shall be provided with under ground and over head water tank. The capacity of the tanks shall be as per norms fixed by CIDCO. In case of high rise buildings under ground and over head water tank shall be provided as per the fire fighting requirements of CIDCO. The applicant shall seek approval of the EE (Water Supply) of CIDCO in respect of capacity of domestic water tanks. The applicant shall seek approval of the Fire Officer of CIDCO in respect of capacity of water tanks for the fire fighting purpose".

   a) Applicant should submit necessary compliance from concerned department that water supply line is laid and water is supplied to the plot, before applying for Occupancy Certificate (for Karanjade Node)

9 You shall approach Executive Engineer, M.S.E.B. for the power requirements, location of transformer, if any, etc.

10. As per Govt. of Maharashtra memorandum vide No. TBP/4393/1504/C4-287/94, UD-11/RDP, Dated 19th July, 1994 for all buildings following additional conditions shall apply.

   i) As soon as the development permission for new construction or re-development is obtained by the Owners/Developer, he shall install a 'Display Board' on the conspicuous place on site indicating following details

   a) Name and address of the owner/developer, Architect and Contractor.

   b) Survey Number/City survey Number, Plot Number/Sector & Node of Land under reference along with description of its boundaries.

   c) Order Number and date of grant of development permission or re-development permission issued by the Planning Authority or any other authority.

   d) Number of Residential flats/Commercial Units with areas.

   e) Address where copies of detailed approved plans shall be available for inspection

   ii) A notice in the form of an advertisement, giving all the details mentioned in (i) above, shall be published in two widely circulated newspapers one of which should be in regional language.

11 As per the notification dtd. 14th September 1998 and amendment on 27th August 2003, issued by Ministry of Environment & Forest (MOEF), Govt. of India and as per Circular issued by Urban Development Dept., Govt. of Maharashtra, vide No FAR/1072004/160/P, No. 27/UD-20, dtd. 27/02/2004, for all Buildings following additional condition shall apply.

REF.NO.CIDCO/BP-15162/TPO(NM) /2017/ 2741 DATE:-

The Owners/Developer shall use Fly Ash bricks or blocks or tiles or clay fly ash bricks or cement fly ash bricks or blocks or similar products or a combination of aggregate of them to the extent of 100 % (by volume) of the total bricks, blocks & tiles as the case may be in their construction activity.

12 As directed by the Urban Development Dep't. Government of Maharashtra, under Section -154 of MR & TP Act- 1966 and vide Provision No. TPB 432001/2133/CR-230/01/UD-11, dated 10/03/2005, for all buildings, greater than 300.00 Sq. m. following additional condition of Rain Water Harvesting shall apply.

a) All the layout open spaces/amenities spaces of Housing Society and new construction /reconstruction / additions on plots having area not less than 300.00 Sq. m. shall have one or more Rain Water Harvesting structures having minimum total capacity as detailed in schedule (enclosed).

Provided that the authority may approve the Rain water Harvesting Structures of specifications different from those in Schedule, subject to the minimum capacity of Rain Water Harvesting being ensured in each case.

b) The owner/society of every building mentioned in the (a) above shall ensure that the Rain Water Harvesting structure is maintained in good repair for storage of water for non potable purposes or recharge of groundwater at all times.

c) The Authority may impose a levy of not exceeding Rs. 100/- per annum for every 100 Sq m. of built up area for the failure of the owner of any building mentioned in the (a) above to provide or to maintain Rain Water Harvesting structures as required under these byelaws.

13/10/17

(Mr. Nithilesh Pati)
Associate Planner (BP)
New Mumbai

C.C.TO. M/s Kshitiz Architects,
501, Prabhat Center Annexe,
Opp. Cbd Bus Depot, Sector 1/A,
Cbd Belapur, Navi Mumbai- 400 614.

C.C. TO. Separately to:

1. M (TS-II)
2. CUC
3. EE (Kharghar)
4. EE (W/S)

SCHEDULE

RAIN WATER HARVESTING

Rain Water Harvesting in a building site includes storage or recharging into ground of rain water falling on the terrace or on any paved or unpaved surface within the building site.

1. The following systems may be adopted for harvesting the rain water drown from terrace and the paved surface

   (i) Open well of a minimum of 1.00 mt. dia and 6 mt. in depth into which rain water may be channeled and allowed after filtration for removing silt and floating material. The well shall be provided with ventilating covers. The water from the open well may be used for non potable domestic purposes such as washing, flushing and for watering the garden etc.

   (ii) Rain water harvesting for recharge of ground water may be done through a bore well around which a pit of one metre width may be excavated upto a depth of at least 3.00 mt. and refilled with stone aggregate and sand. The filtered rain water may be channeled to the refilled pit for recharging the borewell.

   (iii) An impervious surface/ underground storage tank of required capacity may be constructed in the setback or other open space and the rain water may be channeled to the storage tank. The storage tank shall always be provided with ventilating covers and shall have draw-off taps suitably placed so that the rain water may be drawn off for domestic, washing, gardening and such other purposes. The storage tanks shall be provided with an ove-flow.

   (iv) The surplus rain water after storage may be recharged into ground through percolation pits or trenches or combination of pits and trenches. Depending on the geomorphological and topographical condition, the pits may be of the size of 1.20 mt. width X 1.20 mt. length X 2.00 mt. to 2.50. mt. depth. The trenches can be of 0.60 mt. width X 2.00 to 6.00 mt. length X 1.50 to 2.00 mt. depth. Terrace water shall be channeled to pits or trenches. Such pits or trenches shall be back filled with filter media comprising the following materials.

   a) 40 mm stone aggregate as bottom layer upto 50% of the depth;
   b) 20 mm stone aggregate as lower middle layer upto 20% of the depth;
   c) Coarse sand as upper middle payer upto 20% of the depth;
   d) A thin layer of fine sand as top layer;
   e) Top 10% of the pits/ trenches will be empty and a splash is to be provided in this portion in such a way that roof top water falls on the splash pad.
   f) Brick masonry wall is to be constructed on the exposed surface of pits/ trenches and the cement mortar plastered.

      The depth of well below ground shall be such that the wall prevents lose soil entering into pits/ trenches. The projection of the wall above ground shall atleast be 15 cms.

   g) Perforated concrete slabs shall be provided on the pits/trenches.

(v) If the open space surrounding the building is not paved, the top layer upto a sufficient depth shall be removed and refilled with course sand to allow percolation of rain water into ground.

2 The terrace shall be connected to the open well/borewel/storage tank/recharge pit/trench by means of HDPE/PVC pipes through filter media. A valve system shall be provided to enable the first washings from roof or terrace catchment, as they would contain undesirable dirt. The mouths of all pipes and opening shall be covered with mosquito (insect) proof wire net. For the efficient discharge of rain water, there shall be at least two rain water pipes of 100 mm dia mtr. for a roof area of 100 Sq. mt.

3 Rain water harvesting structures shall be sited as not to endanger the stability of building or earthwork. The structures shall be designed such that no dampness is caused in any part of the walls or foundation of the building or those of an adjacent building.

4. The water so collected/recharged shall as far as possible be used for non-drinking and non-cooking purpose.

Provided that when the rain water in exceptional circumstances will be utilized for drinking and/or cooking purpose, it shall be ensured that proper filter arrangement and the separate outlet for by passing the first rain-water has been provided.

Provided further that it will be ensured that for such use proper disinfectants and the water purification arrangements have been made.

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/BP-15162/TPO(NM)/2018/ 2748

Date : 19 JAN 2018

To,
Tata Memorial Centre (ACTREC),
Institute under the department of atomic energy, Gov. of India
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai.

Sub: Development permission for construction of Hardon Beam (Proton Therapy) and support facility for TATA Memorial Centre at ACTREC Campus, Plot No. 1 & 2, Sector-22, at Kharghar, Navi Mumbai.

Ref:
1) Your architect's application dated 11/08/2017 & 03/10/2017
2) Provisional Fire NOC from CFO vide letter no CIDCO/FIRE/HQ/822/2017, dated 06/12/2017.
3) Extension in time limit issued by M(TS-III), vide letter No.CIDCO/Estate-III/2014/2250, dtd. 23/07/2014
4) Height Clearance NOC issued by TPO, CIDCO vide letter No. CIDCO/TPO(NM&K)/2016/1335, dtd. 06/10/2016
5) Environment NOC issued by Environment Cell, CIDCO vide letter no. CIDCO/ACP(BP/DP/NT)/EC/2018/643, dtd. 12/01/2018.
6) Letter from TATA Memorial Center vide letter no. TMC/ENGG/HADRON-ACTREC/2017, dated 13.12.2017.

Sir,

This office in receipt of request letter from Architect, Mr. Pravin Kanekar, Mumbai, dated 11/08/2017 for Development permission of Hardon Beam (Proton Therapy) and support facility for TATA Memorial Centre at ACTREC Campus, Plot No. 1 & 2, Sector-22, at Kharghar, Navi Mumbai.

It is observed that you propose to carry out development of above mentioned proposal and also informed this office thirty days before undertaking such development.

Now this office under, subsection 1 of Section 58, of MR&TP Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development may apply under intimation to the Planning Authority, for extension of such period; and thereupon the planning Authority may extend such period from year to year; but such extended period shall, in no case exceed three years.

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED
(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
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CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No.

Date : 19 JAN 2018

Also you shall intimate the Corporation on completion of work up to plinth level, at least 7 days before the commencement of further work & give written intimation to the Corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India' and also as your request mentioned in reference no.6, Development permission for Hardon Beam (Proton Therapy) and support facility for TATA Memorial Centre at ACTREC Campus is being granted having Total BUA = 6433.73 Sq. mt. (Ground + 1 floor) and certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

18/1/18

(Mithilesh J. Patil)
Associate Planner (BP)
Navi Mumbai

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
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Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/BP-9079/TPO(NM)/2019/ 1379 Date : 22/11/19

To,
Tata Memorial Centre (ACTREC),
Institute under the department of atomic energy, Gov. of India
Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai.

Sub: Development permission for construction of Radiological Research Unit (RRU) for TATA Memorial Centre (ACTREC Campus) on Plot No. 1 & 2, Sector-22, at Kharghar, Navi Mumbai.

Ref:
1) Your architect's application dated 24/12/2018.
2) Provisional Fire NOC issued by CFO (CIDCO) vide letter no. CIDCO/FIRE/HQ/SAP-236/2019, dated 24/04/2019.
3) Extension in time limit issued by M(TS-III), vide letter No. CIDCO/M(TS-III)/2019/6348, dtd. 11/06/2019.
4) Height Clearance NOC issued by TPO, CIDCO vide letter No. CIDCO/BP/TPO(NM)/112/2018/1585, dtd. 24/12/2018.
5) Environment NOC issued by Environment Cell, CIDCO vide letter no. CIDCO/ACP(BP/DP/NT)/EC/2018/643, dtd. 12/01/2018.
6) Aesthetic NOC issued by Sr. Planner (CIDCO) vide letter no. CIDCO/PLNG/SP/2019/380, dated 24.04.2019.
7) Notification for Height upto 45.00 mt. vide letter no. अशसे-२०१४/प्र.क्र.१७१/नवि-२०, dtd. 12/05/2015

Sir,

This office in receipt of request letter from Architect, Mr. Anil K. Choksey, Mumbai, dated 24/12/2018 for Development permission for construction of Radiological Research Unit (RRU) for TATA Memorial Centre (ACTREC Campus) on Plot No. 1 & 2, Sector-22, at Kharghar, Navi Mumbai.

It is observed that you propose to carry out development of above mentioned proposal and also informed this office thirty days before undertaking such development.

Now this office under, subsection 1 of Section 58, of MR&TP Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development may apply under intimation to the Planning Authority, for extension of such period; and thereupon the planning Authority may extend such period from year to year; but such extended period shall, in no case exceed three years.

CIDCO
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CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

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CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No.

Date :

Also you shall intimate the Corporation on completion of work up to plinth level, at least 7 days before the commencement of further work & give written intimation to the Corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India', Development permission for Radiological Research Unit (RRU) for TATA Memorial Centre (ACTREC Campus) is being granted having Total BUA = 11897.658 Sq. mt. (Basement + Ground + 7 floor) and certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

(Mithilesh J. Patil)
Associate Planner (BP)
Navi Mumbai

CC to:
Architect: Shri. Yadneshwar Ratnakar Pathak
Wadia Techno-Engineering Service Limited
Wing - A, Raheja point, Pt. Jawaharlal
Nehru Road, Vakola, Santacruz (E),
Mumbai-400055.

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

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Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/BP/TPO(NM)/2020/ 1473 ***Date :*** 11/02/2020

To,
Tata Memorial Centre (ACTREC),
Institute under the department of atomic energy,
Govt. of India, Plot No.1 & 2, Sector-22,
Kharghar, Navi Mumbai.

Sub: Development permission for construction of *'Shantilal Shanghvi Pediatric Hematolymohoid Cancer Center'* for TATA Memorial Centre (ACTREC Campus) on Plot No. 1 & 2, Sector-22, at Kharghar, Navi Mumbai.

Ref:
1) Your Architect's application, dated 13/07/2018 & 14/11/2019.
2) Provisional Fire NOC issued by CFO (CIDCO) vide letter no. CIDCO/FIRE/HQ/E-305/2019, dated 25/05/2019.
3) Extension in time limit issued by M(TS-III), vide letter No. CIDCO/M(TS-III)/2019/6348, dtd. 11/06/2019.
4) Environment NOC issued by Environment Cell, CIDCO vide letter no. SEIAA/EC-0000002065, dtd. 07/11/2019.
5) Aesthetic NOC issued by Sr. Planner (CIDCO) vide letter no. CIDCO/PLNG/SP/2019/SAP-162, dated 20.08.2019.
6) Notification for Height upto 45.00 mt. vide letter no. अशसे-२०१४/प्र.क्र.१७१/नवि-२०, dtd. 12/05/2015

Sir,

This office in receipt of request letter from Architect *'Planscape'*, Mumbai, dated 13/07/2018 & 14/11/2019 for Development permission for construction of *Shantilal Shanghvi Pediatric Hematolymohoid Cancer Center'* for TATA Memorial Centre (ACTREC Campus) on Plot No. 1 & 2, Sector-22, at Kharghar, Navi Mumbai.

It is observed that you propose to carry out development of above mentioned proposal and also informed this office thirty days before undertaking such development.

Now this office under, subsection 1 of Section 58, of MR&TP Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development may apply under intimation to the Planning Authority, for extension of such period; and thereupon the planning Authority may extend such period from year to year; but such extended period shall, in no case exceed three years.

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. ***Date :***

Also you shall intimate the Corporation on completion of work up to plinth level, at least 7 days before the commencement of further work & give written intimation to the Corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India', Development permission for Radiological Research Unit (RRU) for TATA Memorial Centre (ACTREC Campus) is being granted having Total BUA = 25007.18 Sq. mt. (Ground + 10 floor) and certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

(Mithilesh J. Patil)
Associate Planner (BP)
Navi Mumbai

CC to:
Architect: Planscape Architect & Planner
4'C' Wing Ground Floor,
Sankalp Siddhi CHS, Behind St. Joseph Church,
Station Road, Vikhroli (W), Mumbai-400079.

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Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/PLNG/ ATPO(NM)/ BP-15162/2023/ 4792

Date : 13.04.2023

To,
The Director,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Sub: Development Permission for construction of TMC Child Care Centre, Dormitory Building for TATA Memorial Centre, ACTREC Campus, Plot No. 1 & 2, sector 22, Kharghar, Navi Mumbai.

Ref:

1. Application by Project Architect dated 24.03.2023 / 03.02.2023
2. Environmental clearance dated 23.02.2023
3. Provisional Fire NOC dated 09.03.2022
4. Height NOC issued by AAI dated 17.08.2022
5. Aesthetic Approval dated 08.12.2021

Sir,

This office in receipt of request letter from Architect 'Planscape, Mumbai, dated 24.03.2023/03.02.2023 for development permission for construction of TMC Child Care Centre, Dormitory Building for TATA Memorial Centre (TMC), ACTREC Campus, Plot No. 1 & 2, Sector 22, Kharghar, Navi Mumbai.

It is observed that, you have proposed to carry out development of subject building and submitted the drawings for G+12 storied structure.

This office under, subsection 1 of section 58, of MR&T Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development shall give intimation to the Planning Authority, for extension of such period; and thereupon the planning authority may extend such period from year to year; but such extended period shall, in no case exceed three years.

Also you shall intimate the corporation on completion of work up to plinth level, at least 7 days before the commencement of further work & give written intimation to the corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India', development permission for TMC Child Care Centre, Dormitory Building for TMC, ACTREC Campus is being granted, having total BUA = 13120.30 Sq. mt. (Ground + 12 floor).The certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

13/4/2023

Bhushan Chaudhari
Associate Planner (BP)

CC to :

M/s Upalekar Sadekar Architects,
Krishna Niwas,1st floor, Senapati Bapat Marg,
Mahim West, Mumbai-400016

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

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FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No.

CIDCO/ BP-15162/TPO(NM)/2024/5527

Date :

29.07.2024

To,
The Director,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Sub: Amended Development Permission for construction of Shantilal Shanghvi Pediatric Hematolymphoid Care Centre (additional 4 floor) for TATA Memorial Centre, ACTREC Campus, Plot No. 1 & 2, sector 22, Kharghar, Navi Mumbai.

Ref:
1. Application by Project Architect dated 22.05.2024
2. Development permission dated 11.02.2020
3. Environmental clearance dated 06.02.2024
4. Provisional Fire NOC dated 08.08.2023
5. Height NOC issued by AAI dated 17.08.2022

Sir,

This office in receipt of request letter from your project architect dated 22.05.2024 for development permission for construction of **Shantilal Shanghvi Pediatric Hematolymphoid Care Centre (additional 4 floor)** for TATA Memorial Centre (TMC), ACTREC Campus, Plot No. 1 & 2, Sector 22, Kharghar, Navi Mumbai.

It is observed that, you have proposed to carry out development of subject building and submitted the drawings. The details are as under;

Sr No.	Particular of Building	Proposed BUA (Sq.M)
1	ADDITIONAL 4 FLOORS ON SHANTILAL SHANGHAVI BLOCK (11th -14th floor)	9026.06

This office under, subsection 1 of section 58, of MR&T Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development shall give intimation to the Planning Authority, for extension of such period;

and thereupon the planning authority may extend such period from year to year; but such extended period shall, in no case exceed three years. Also you shall give written intimation to the corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India', development permission for **Shantilal Shanghvi Pediatric Hematolymphoid Care Centre (additional 4 floor)** for TMC, ACTREC Campus is being granted, having total BUA = 9026.06 Sq.M. The certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

The earlier commencement certificate issued along with accompanying drawings by CIDCO vide ref. No.CIDCO/BP/TPO(NM)/2020/1473 dated 11.02.2020 shall stand SUPERCEDED by this permission., except for the G+10 floors of buildings (BUA-25007.18 Sq.M) which are proposed to be retained as per earlier approved commencement certificate in accordance with provisions of regulation No. 1.5 of UDCPRs.

Thanking you,

Yours faithfully,

23/07/2024

Rashmi Chaudhari
Associate Planner (BP)

CC to Architect:

- M/s Planoscape Architects and Planners, shop no. 3, Sai ashish building , Ashok Nagar, Vikroli East, Mumbai 400083

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. ***Date :***

CIDCO/ BP-15162/TPO(NM)/2024/ 5534 02.08.2024

To,
The Director,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Sub: Development Permission for construction of IMMUNODEFICIENT ANIMAL RESEARCH FACILITY BUILDING (ANIMAL HOUSE) for TATA Memorial Centre, ACTREC Campus, Plot No. 1 & 2, sector 22, Kharghar, Navi Mumbai.

Ref:

1. Application by Project Architect dated 04.06.2024
2. Environmental clearance dated 06.02.2024
3. Height NOC issued by AAI dated 24.08.2022

Sir,

This office in receipt of request letter from your project architect, dated 01.02.2024, 16.05.2024 and 22.05.2024 for development permission for construction of **IMMUNODEFICIENT ANIMAL RESEARCH FACILITY BUILDING (ANIMAL HOUSE)** for TATA Memorial Centre (TMC), ACTREC Campus, Plot No. 1 & 2, Sector 22, Kharghar, Navi Mumbai.

It is observed that, you have proposed to carry out development of subject building and submitted the drawings. The details are as under;

Sr No.	Particular of Building	Proposed BUA (Sq.M)
7	IMMUNODEFICIENT ANIMAL RESEARCH FACILITY BUILDING (ANIMAL HOUSE) (G+2)	1131.79

This office under, subsection 1 of section 58, of MR&T Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development shall give intimation to the Planning Authority, for extension of such period;

and thereupon the planning authority may extend such period from year to year; but such extended period shall, in no case exceed three years.

Also you shall intimate the corporation on completion of work up to plinth level, at least 7 days before the commencement of further work & give written intimation to the corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India', development permission for **IMMUNODEFICIENT ANIMAL RESEARCH FACILITY BUILDING (ANIMAL HOUSE)** for TMC, ACTREC Campus is being granted, having total BUA = 1131.79 Sq.M. The certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

02/08/2024

Rashmi Chaudhari
Associate Planner (BP)

CC to Architect:

- M/s Creations Architects & Project Consultant, C/312, Vashi Plaza, sector-17, Vashi , Navi Mumbai, 400705

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CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

REGD. OFFICE:
"NIRMAL", 2nd Floor, Nariman Point,
Mumbai - 400 021.
PHONE : 00-91-22-6650 0900
FAX : 00-91-22-2202 2509

HEAD OFFICE:
CIDCO Bhavan, CBD Belapur,
Navi Mumbai - 400 614.
PHONE: 00-91-22-6791 8100
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/ BP-15162/TPO(NM)/2024/5537 **Date :** 05.08.2024

To,
The Director,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Sub: Development Permission for construction of Hostel Building + 5 other Building Blocks for TATA Memorial Centre, ACTREC Campus, Plot No. 1 & 2, sector 22, Kharghar, Navi Mumbai.

Ref:

1. Application dated 04.06.2024
2. Environmental clearance dated 06.02.2024
3. Provisional Fire NOC dated 21.07.2023
4. Height NOC issued by AAI dated 24.08.2022

Sir,

This office in receipt of request letter from Your project architect, dated 01.02.2024, 16.05.2024 and 22.05.2024 for development permission for construction of **Hostel Building + 5 other Building Blocks** for TATA Memorial Centre (TMC), ACTREC Campus, Plot No. 1 & 2, Sector 22, Kharghar, Navi Mumbai.

It is observed that, you have proposed to carry out development of subject building and submitted the drawings. The details are as under;

Sr No.	Particular of Building	Proposed BUA (Sq.M)
1	HOSTEL BUILDING (G+12 with 1 basement)	22578.60
2	MULTI PURPOSE HALL -2 (Ground floor)	300.30
3	SUBSTATION BLOCK FOR HOSTEL BUILDING	0.00
4	MULTI LEVEL CAR PARKING BUILDING (G+ 9)	358.02

5	EXTENSION OF GAS BANK, MORTUARY BUILDING & UTILITY **(Ground floor)**	232.87
6	SUBSTATION (ASHA NIWAS) **(Ground floor)**	141.55

This office under, subsection 1 of section 58, of MR&T Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development shall give intimation to the Planning Authority, for extension of such period; and thereupon the planning authority may extend such period from year to year; but such extended period shall, in no case exceed three years.

Also you shall intimate the corporation on completion of work up to plinth level, at least 7 days before the commencement of further work & give written intimation to the corporation regarding completion of the work and abide by all the rules & regulations.

As the project is undertaken by 'Government of India', development permission for **Hostel Building + 5 other Building Blocks** for TMC, ACTREC Campus is being granted, having total BUA = 23611.34 Sq.M. The certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

05/08/2024

Rashmi Chaudhari
Associate Planner (BP)

CC to Architect:

- M/s Fourth Dimension Architects Pvt Ltd, FD House, Prabhat Road, Deccan Gymkhana, Pune,411004

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED
(CIN - U99999 MH 1970 SGC - 014574)

CIDCO/ BP-15162/TPO(NM)/2025/739 01.10.2025

To,
The Director,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Sub- Proposal seeking Development Permission for Integrated Radiation Oncology Complex (IROC) block within Tata Memorial Center – ACTREC Campus at Plot No. 1 & 2, sector 22, Kharghar, Navi Mumbai.

Ref:
Ref 1 - Architects' offline application dated 09.08.2024.
Ref 2 - Agreement to lease dated 20.11.1988 & 14.09.1990.
Ref 3 – Time Extension letter dated 11.06.2019.
Ref 4 – Provisional Fire NOC dated 28.10.2024.
Ref 5 – Environmental Clearance dated 09.09.2025.
Ref 6 - Height NOC (IROC) issued by AAI dated 07.01.25 NAVI/WEST/B/121824/1424521.

Sir,

This office in receipt of request letter from your project architect dated 09.08.2024 for development permission for construction of **Integrated Radiation Oncology Complex (IROC) + 1 ancillary service block** for TATA Memorial Centre (TMC), ACTREC Campus, Plot No. 1 & 2, Sector 22, Kharghar, Navi Mumbai.

It is observed that, you have proposed to carry out development of subject building and submitted the drawings. The details are as under;

Sr No.	Particular of Building	Proposed BUA (Sq.M)
1	Integrated Radiation Oncology Complex (IROC) **(Lower GF+ Upper GF+1 basement+11 floors)** + 1 ancillary service block (GF+1 Basement +2 floor)	25,242.455

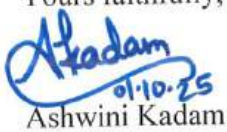
This office under, subsection 1 of section 58, of MR&T Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development shall give intimation to the Planning Authority, for extension of such period; and thereupon the planning authority may extend such period from year to year; but such extended period shall, in no case exceed three years. Also you shall give written intimation to the corporation regarding completion of the work and abide by all the rules & regulations.

All conditions mentioned in the Agreement, various NOC's & EC shall be binding on PP.

As the project is undertaken by 'Government of India', development permission for **Integrated Radiation Oncology Complex (IROC) (Lower GF+ Upper GF+1 basement+11 floors) + 1 ancillary service block (GF+1 Basement +2 floor)** for TMC, ACTREC Campus is being granted, having total BUA = 25,242.455 Sq.M. The certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,



Ashwini Kadam
Associate Planner (BP)

CC to Architect:

- M/s Hiten Sethi & Associates,
  Grnd Flr., Yayati CHS, Plot no 9, Sector 58A,
  Palm Beach road, Nerul, Navi Mumbai.

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED
(CIN - U99999 MH 1970 SGC - 014574)

CIDCO/ BP-15162/TPO(NM)/2025/738 01.10.2025

To,
The Director,
Tata Memorial Centre (ACTREC),
Plot No. 1 & 2, Sector-22, Kharghar, Navi Mumbai.

Sub- Proposal seeking Development Permission for NSE Multispecialty Hospital block within Tata Memorial Center – ACTREC Campus at Plot No. 1 & 2, sector 22, Kharghar, Navi Mumbai.

Ref:
Ref 1 - Architects' offline application dated 09.08.2024.
Ref 2 - Agreement to lease dated 20.11.1988 & 14.09.1990.
Ref 3 – Time Extension letter dated 11.06.2019.
Ref 4 – Provisional Fire NOC dated 28.10.2024.
Ref 5 – Environmental Clearance dated 09.09.2025.
Ref 6 - Height NOC (NSE) issued by AAI dated 19.12.24 NAVI/WEST/B/120524/1397831.

Sir,

This office in receipt of request letter from your project architect dated 09.08.2024 for development permission for construction of **NSE Multispecialty Hospital + 1 ancillary service block** for TATA Memorial Centre (TMC), ACTREC Campus, Plot No. 1 & 2, Sector 22, Kharghar, Navi Mumbai.

It is observed that, you have proposed to carry out development of subject building and submitted the drawings. The details are as under;

Sr No.	Particular of Building	Proposed BUA (Sq.M)
1	NSE Multispecialty Hospital **(Ground floor+11 floor)** + 1 ancillary service block (GF+1 Basement+1 floor)	20,014.221

This office under, subsection 1 of section 58, of MR&T Act, 1966 accepts the submission for granting Development permission. The same shall remain in force for a period of one year from the date of grant of approval, and then after it shall lapse. Provided that the office-in-charge of the development shall give intimation to the Planning Authority, for extension of such period; and thereupon the planning authority may extend such period from year to year; but such extended period shall, in no case exceed three years. Also you shall give written intimation to the corporation regarding completion of the work and abide by all the rules & regulations.

All conditions mentioned in the Agreement, various NOC's & EC shall be binding on PP.

As the project is undertaken by 'Government of India', development permission for **NSE Multispecialty Hospital (Ground floor+11 floor) + 1 ancillary service block (GF+1 Basement+1 floor)** for TMC, ACTREC Campus is being granted, having total BUA = 20,014.221 Sq.M. The certified copy of drawings (Under Section 58 of MR&TP Act 1966) are enclosed with this letter.

Thanking you,

Yours faithfully,

Ashwini Kadam
Associate Planner (BP)

CC to Architect:

- M/s Hiten Sethi & Associates,
  Grnd Flr., Yayati CHS, Plot no 9, Sector 58A,
  Palm Beach road, Nerul, Navi Mumbai.