



टाटा स्मारक केंद्र
TATA MEMORIAL CENTRE

टाटा स्मारक अस्पताल
TATA MEMORIAL HOSPITAL



प. ऊ. वि. भारत सरकार का एक सहायता अनुदान प्राप्त सम्मान

A GRANT-IN-AID INSTITUTION OF THE DEPARTMENT OF ATOMIC ENERGY GOVT OF INDIA

AA No. 1438245

01.12.2025

To.
Regional Office,
Ministry of Environment, Forest & Climate Change
A/3, Chandersekharpur,
Bhubaneshwar – 751023

Sub: Six-monthly Compliance (Session: December 2025) of the stipulated Environmental conditions/safeguards in the Environmental clearance letter and Environmental Monitoring Report for "Homi Bhabha Cancer Hospital and Research Centre" located at Tehsil Jatni, Khurda, Odisha by Tata Memorial Centre.

Ref: Environmental Clearance File No. 456865/01-INFRA2/12-2023 Dated 06th May 2024.

Dear Sir,

This is in reference to the State Level Environmental Impact Assessment Authority, Odisha, Bhubaneswar EC vide File No. 456865/01-INFRA2/12-2023 Dated 06th May 2024.

In which we have been asked to submit the compliance with the specific and general conditions of the same.

In view of above, we are approaching you by submitting a copy of the following information/documents for your kind perusal:

1. Point-wise compliance of the stipulated environmental conditions/ safeguards, along with necessary documents & annexures.
2. Environmental monitoring report along with other necessary permissions/documents.

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to us. Details of Representative are as follows:

Name	Dr Lingraj R Nayak
Designation	Professor (Medical Oncology)
Contact no.	9167294976
Email ID	nayakl@tmc.gov.in

Thanking you,
Yours Sincerely,

For Tata Memorial Centre

डॉ. लिंगराज नायक/DR. LINGARAJ NAYAK

प्राध्यापक/PROFESSOR

हेमोटेल्यूम्फोइड विभाग (वयस्क)/HEMATOLYMPHO DIVISION (ADULT)

मेडिकल ऑक्सोलॉजी विभाग/DEPT. OF MEDICAL ONCOLOGY

डॉ. ई. बोर्जेस मार्ग, परेल,

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Name: Dr Lingraj R Nayak

Designation: Professor (Medical Oncology)

CC:

1. The Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit 8, Bhubaneswar.
2. The Member Secretary SEIAA, Odisha, 5RF-2/1, Acharya Vihar, Unit – IX, OPTCL Colony, Anand Bazar, Bhoi Nagar, Bhubaneswar, Odisha 751022

POINTWISE COMPLIANCE OF STIPULATED
ENVIRONMENTAL CONDITIONS/ SAFEGUARDS IN
THE ENVIRONMENTAL CLEARANCE

EC Identification No. 456865/01-INFRA2/12-2023
dated 06th May 2024.

OF

“Homi Bhabha Cancer Hospital and Research Centre”

At

Tehsil Jatni, Khurda, Odisha by Tata Memorial Centre

FOR

December 2025

Tata Memorial Centre

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POINT-WISE COMPLIANCE WITH THE STIPULATED ENVIRONMENTAL CONDITIONS/SAFEGUARDS MENTIONED IN ENVIRONMENTAL CLEARANCE

LETTER NO. 456865/01-INFRA2/12-2023 DATED 6TH MAY, 2024, FOR THE HOMI BHABHA CANCER HOSPITAL AND RESEARCH CENTRE, LOCATED AT TEHSIL JATNI, DISTRICT KHORDHA, ODISHA

Sl. No.	Conditions	Status of Compliance
SPECIFIC ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED WITH BY THE PROJECT PROPOSER BEFORE BREAKING OF LAND:		
Statutory Compliance Points		
i.	The project proponent shall also obtain permission/NOC from Executive Engg. (PHD) and or from the appropriate authority for disposal of excess STP treated water to the nearest drain and also submit the same to SEIAA, Odisha before start of construction work. Also, in case of the connecting drain passing through start other land (Government or Private Land), the proponent shall obtain the permission as the case may be.	Agreed to comply. At present, framework has commenced as part of the initial stage of the project. The STP will be installed prior to the operational phase. As per the Minutes of Meeting (MoM) executed between the Government of Odisha and Tata Memorial Centre, the Government of Odisha will provide water supply, electricity, stormwater drainage access, and road connectivity. This arrangement is recorded in the MoM held on January 9, 2024, at 3:30 PM under the Chairmanship of the Chief Secretary of Odisha. A copy of the MoM is enclosed as Annexure-1 .
ii.	Plantation and solar facilities to be implemented as proposed at appropriate time.	Agreed to comply. Currently, only the frame work has begun as part of the project's initial phase. The proposed plantation and solar facilities will be implemented at the appropriate stage of

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		development.
iii.	Parking in terms of ECS (4-wheeler, 2-Wheeler and bicycle) shall be provided compatible with expected number of patients and attending visitors, OPD patients and visitors with them, Doctor's and staffs, nursing sisters and at least 10% floating population in confirmative with building by- laws/NBC norm/applicable laws and rules for this kind of project.	Agreed to comply At present, framework has commenced as part of the initial stage of the project. We have provision of the parking as per the by-laws.
iv.	The proponent shall operate STP and ETP separately as standalone system and both shall not be inter-connected. ETP outlet shall not be discharged to outside the project premises i.e "Zero discharge" from ETP to outside the premises shall be maintained.	Agreed to comply. We confirm that the STP and ETP will function as independent, standalone systems with no interconnection. The site layout indicating the locations of STP-1, STP-2, and the ETP is enclosed as Annexure-2 .
v.	The Decongestion plan as given by proponent in the traffic density study report shall be implemented for compliance with definite time frame.	Agreed to comply. At present, framework has commenced as part of the initial stage. Same will be followed.
vi.	The proponent shall make agreement with nearby Common Bio-Medical Waste Treatment Facility having incinerator facilities for disposal of infectious waste, organic waste and health hazardous wastes.	Agreed to comply. At present, framework has commenced as part of the initial stage. Same will be followed.

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vii.	<p>The proponent shall obtain permission from concerned authority for discharge of surplus treated water of STP only to nearby drain & nallah.</p>	<p>Agreed to comply.</p> <p>As of now, frame work has commenced as part of the initial stage of the project. The STP will be installed prior to the operational phase of the project.</p> <p>As per the Minutes of Meeting (MoM) executed between the Government of Odisha and Tata Memorial Centre, the Government of Odisha will facilitate the provision of water supply, electricity, stormwater drainage access, and road connectivity. This understanding was formally documented during the meeting held on January 9, 2024, at 3:30 PM, chaired by the Chief Secretary of Odisha.</p> <p>A copy of the MoM is enclosed as Annexure-1.</p>
viii.	<p>The Approval of the Competent Authority shall be obtained in regard to structural safety of building against earthquake, adequacy of fire-fighting equipment as per National Building Code including protection measures from lightning.</p>	<p>Complied.</p> <p>We have obtained the Structural Stability certificate. Same has been enclosed as Annexure-3.</p>
ix.	<p>The project proponent shall obtain all necessary clearance/ permission from all concerned agencies including BMC/BDA authority before commencement of work in accordance with the local building byelaws.</p>	<p>Complied.</p> <p>We have obtained BDA approval vide Letter no. BP/BDA/013676, Bhubaneswar, dated 06.03.2024 from the Bhubaneswar Development Authority. Copy of the same is enclosed as Annexure-4.</p>

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x.	The proponent shall obtain permission from concerned Fire Safety Authority and implement all conditions stipulated in NOC.	Agreed to comply. As of now, frame work has commenced as part of the initial stage of the project. Fire Safety plan is enclosed as <i>Annexure-5</i> .
xi.	The Construction and Demolition waste to be generated during demolition of existing structure shall be managed as per Construction and Demolition Waste management.	Being Complied. Frame work is currently underway at the initial stage, and construction waste generated on site is being managed as per the Construction Waste Management plan.
xii.	The proponent shall implement the Pollution Control Measures and safeguard as proposed in the Environment management Plan (EMP) of project report.	Agreed to comply. We will implement the pollution control measures and safeguards as outlined in the Environmental Management Plan (EMP) of the project report. Environment measures has been enclosed as <i>Annexure-8</i> .
xiii.	Rainwater harvesting shall be designed considering the maximum rainfall of a year accordingly , number of RWH shall be implemented.	Agreed. As of now, framework has commenced at the initial stage. We have provision of adequate number of Rainwater Storage Tanks. It will be implemented before the Operational Phase of project.
xiv.	All other statutory clearance such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable to the project by the proponent from the respective	Agreed. Currently, framework has commenced in the initial stage. No diesel is stored at the site; it will be procured from a nearby petrol pump as needed.

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	competent authorities.	
xv.	<p>The Project Proponent shall advertise in at least two local Newspaper widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environment Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of SEIAA, Odisha. The advertisement shall be made within seven days from the date of receipt of the Clearance letter and copy of the same shall be forwarded to the Regional Office of MoEF&CC, Bhubaneswar.</p>	<p>Complied.</p> <p>Newspaper advertisement copy in English and Odia Newspaper is enclosed as Annexure-6.</p>
xvi.	<p>A copy of clearance letter shall be sent by Proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any , from whom suggestions/ representations, if any . were received while processing the proposal. The clearance letter shall also be displayed at the Regional Officer, District Industries centre and Collector's Office/tahsildar's office for 30 days.</p>	<p>Agreed and Noted.</p>

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SPECIFIC ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED WITH BY THE PROJECT PROPONENT DURING CONSTRUCTION PHASE:

Water Requirement:

i.	<p>The project proponent shall adopt & implement net 'Zero liquid discharge' principle and shall maximize recycle and reuse of treated waste water generated in the project. All waste generated shall be treated in the STP and the treated waste water shall be recycled and reused within the project so as to minimize external ground water. Also ground water recharge by surplus waste water in the project plot area shall be maximized. For discharge of any quantity of treated waste water to outside the project area premises, the exact location of drain, etc. to which such discharge will be made and permission of competent authority allowing such discharge have to be reported. The layout of pipe lines, etc to take the wastewater to the approved discharge point has to be elaborately depicted on map and submitted. The EC is liable to revoked if such report is not submitted by PP.</p>	<p>Agreed and Noted.</p> <p>At the time of construction there is 'Zero liquid discharge' adoption. We are following the guidelines as suggested honorable SEIAA, Odisha.</p>
ii.	<p>No ground water shall be extracted for the project work at any stage during the construction phase without obtaining the permission from the Water Resources</p>	<p>Agreed to comply.</p> <p>The frame work is currently underway in its initial phase. Groundwater NOC has been obtained under reference number</p>

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	Department, Govt. of Odisha.	CGWA/NOC/INF/ORIG/2024/19943 , dated 23.02.2024 , and is valid for the construction phase from 23.02.2024 to 22.02.2029. A copy of the CGWA NOC is attached as Annexure-7 . As per the Minutes of Meeting (MoM) executed between the Government of Odisha and Tata Memorial Centre, the Government of Odisha will provide essential infrastructure support including water supply, electricity, stormwater drainage access, and road connectivity. This arrangement is recorded in the MoM dated January 9, 2024, at 3:30 PM, chaired by the Chief Secretary of Odisha. The MoM is enclosed as Annexure-1 .
iii.	A certificate shall be obtained from local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on the users.	Agreed to comply. As per the Minutes of Meeting (MoM) signed between the Government of Odisha and Tata Memorial Centre, the Government of Odisha has committed to providing water supply, electricity, stormwater drainage access, and road connectivity. This agreement was formally recorded during the meeting held on January 9, 2024, at 3:30 PM, chaired by the Chief Secretary of Odisha. A copy of the MoM is attached as Annexure-1 .
iv.	When the Public water supply will be available adjacent to/in vicinity of the proposed project in future, The PP shall	Agreed to comply. According to the MoM executed between the Government of Odisha and Tata Memorial

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	<p>avail it following due procedure of the Govt. if the concerned project in future, The PP shall avail it following due procedure of Govt if the concerned authority agrees and dispense with the drawl of ground water except one borewell for emergency purpose, The PP shall take up suitably for purpose with the concerned authority of Government.</p>	<p>Centre, the Government of Odisha will provide water supply, electricity, access to stormwater drainage, and road connectivity. This arrangement has been documented in the Minutes of the Meeting held on January 9, 2024, at 3:30 PM under the Chairmanship of the Chief Secretary of Odisha. Copy of the MoM is enclosed as Annexure-1.</p>
v.	<p>Water demand during the construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.</p>	<p>Being complied. Currently, frame work has commenced in the initial stage. Same is being followed.</p>
Disposal of Solid Waste:		
i.	<p>The solid waste shall be duly segregated into biodegradable and non-biodegradable components and handled in separate areas earmarked for segregation of solid waste, as per Solid Waste Management Rules, 2016. The biodegradable waste generated shall be utilized through the Organic Waste Converter to be installed at the project site. Solid waste disposal shall be by micro composting of all bio degradable waste inside the premises. The inert waste (bio-non degradable components like plastics) shall be disposed off as per norms only at authorized site. The mode of disposal of all such waste at any approved site shall be</p>	<p>Agreed to comply. Currently, frame work has commenced in the initial stage. Same will be followed.</p>

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	<p>reported, even if it is handed over to any authorized vendor. Construction & Demolition (C&D) waste from the project (debris) shall be segregated and managed as per C&D Waste Management Rules, 2016 and the detailed mode of disposal to the final disposal point shall also be reported. The PP shall formulate a concrete implementation plan and submit a report showing on the layout plan of the final disposal point of biodegradable waste, non-biodegradable waste and debris generated during construction. The EC is likely to be revoked if such report is not submitted by PP.</p>	
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Air Quality Management and Noise Management:

i.	<p>Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as</p>	<p>Being complied. Currently, frame work has commenced in the initial stage. The construction site is being adequately barricaded. Measures to prevent dust, smoke, and other forms of air pollution are being implemented for both the building and the site. These include installing screens around the building under construction and erecting continuous dust/wind-breaking walls, at least 3 meters high, around the site. Vehicles transporting sand, cement, murram, and other dust-generating construction materials, as well as those removing debris,</p>
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	<p>taking out debris from the site. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.</p>	<p>are being covered with plastic or tarpaulin sheets. On-site storage of sand, murram, loose soil, and cement is being properly covered to prevent dust pollution. Wet jets are being used for grinding and stone cutting, and unpaved surfaces and loose soil are being regularly sprinkled with water to suppress dust. EMP measures is enclosed as Annexure-8. And photographs of site included the site boundary is enclosed as Annexure-9.</p>
ii.	<p>All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.</p>	<p>Being complied. Currently, frame has commenced in the initial stage. We are storing all construction and demolition debris within the site and ensuring it is not being dumped on roads or open spaces outside prior to proper disposal. All demolition and construction waste is being managed in accordance with the provisions of the Construction and Demolition Waste Rules, 2016. Additionally, all workers at the construction site who are involved in loading, unloading, transporting construction materials or debris, or working in areas with dust pollution are being provided with dust masks.</p>
iii.	<p>Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding mandatory implementation of dust mitigation measures for construction and demolition</p>	<p>Being followed. In compliance with Notification GSR 94(E) dated 25.01.2018 issued by MoEF&CC, the following dust mitigation measures are being</p>

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	<p>activities for projects requiring environmental clearance shall be complied with.</p>	<p>diligently followed at our construction site:</p> <p>Site Barricading</p> <p>We have installed 3-meter-high tin/metal sheet barricades around the entire construction site to prevent dust dispersion and ensure safety.</p> <p>Water Sprinkling</p> <p>Regular water sprinkling is being carried out on unpaved areas, access roads, and construction zones to suppress dust emissions.</p> <p>1. Covered Storage of Materials</p> <p>Construction materials such as sand, aggregates, and cement are stored in covered sheds or are tarpaulin-covered to prevent dust from being released into the air.</p> <p>2. Dust Control During Cutting/Grinding</p> <p>All cutting, grinding, and drilling activities are conducted using wet methods or are enclosed to minimize dust generation.</p> <p>3. Transportation of Materials</p> <p>All vehicles transporting construction and demolition materials are fully covered and cleaned regularly to avoid spillage and dust emission during transit.</p> <p>4. Waste Management</p> <p>Construction and demolition waste is</p>
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		<p>promptly collected, segregated, and stored at designated locations and transported in covered vehicles to authorized disposal/recycling facilities.</p> <p>5. Site Cleanliness and Housekeeping</p> <p>Regular cleaning and sweeping of the construction site is conducted using wet methods to maintain dust-free surroundings.</p> <p>6. Use of Dust Suppressants</p> <p>Where required, environmentally safe dust suppressants are used on open surfaces and areas with high dust potential.</p> <p>7. Monitoring and Compliance</p> <p>Site supervisors regularly monitor the effectiveness of dust control measures and ensure strict adherence through inspection and corrective actions, if necessary.</p>
iv.	Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000 for the project. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the	<p>Complied.</p> <p>Environmental monitoring was conducted in May 2025, and the laboratory analysis data is provided in Annexure-10.</p>

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	stipulated standards by CPCB / SPCB.	
Natural Drainage:		
i.	<p>The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other Sustainable Urban Drainage Systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.</p>	<p>Agreed to comply. Currently, framework has commenced in the initial stage. Same will be followed.</p>
ii.	<p>The permission from competent authority will be obtained to discharge the excess storm water to drain if any. The proponent shall renovate the existing drain to accommodate the discharge and maintain it perennially.</p>	<p>Agreed to comply. According to the MoM executed between the Government of Odisha and Tata Memorial Centre, the Government of Odisha will provide water supply, electricity, access to stormwater drainage, and road connectivity. This arrangement has been documented in the Minutes of the Meeting held on January 9, 2024, at 3:30 PM under the Chairmanship of the Chief Secretary of Odisha. Copy of the MoM is enclosed as Annexure-1.</p>
Provision for construction labour:		
i.	<p>Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such</p>	<p>Complied. Currently, only the frame work has commenced as part of the initial phase.</p>

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	<p>as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</p>	<p>Housing for construction labourers has been arranged within the site premises, equipped with essential infrastructure and facilities including cooking fuel, mobile toilets, mobile STP, safe drinking water, medical care, and a crèche. Most of the labourers are sourced from the local area, and we have ensured the provision of drinking water and toilet facilities for them. Photograph of project site is enclosed as Annexure-9.</p>
ii.	<p>A First Aid Room shall be provided in the project both during construction and operations of the project</p>	<p>Complied. Currently, framework has commenced in the initial stage. Same is being followed.</p>

Top Soil Preservation and Reuse:

i.	<p>Topsoil should be stripped to depth of 20 cm from the areas proposed for building, road, paved, areas, and external services. It should be stockpiled appropriately in designed areas and reapplied during planation of the proposed vegetation site.</p>	<p>Agreed to comply. Same has been/will be followed.</p>
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SPECIFIC ENVIRONMENTAL CONDITIONS AND SAFEGUARDS WHICH NEED TO BE COMPLIED WITH BY THE PROJECT PROPOSER DURING OPERATION PHASE:

Water Requirement and Rain Water Harvesting:

i.	<p>For meeting the total fresh water requirement for the project upto maximum 308KLD (Total water requirement-679 KLD (approx.) i.e. first time before recycle) from ground water source, necessary prior permission has to be obtained from the</p>	<p>Agreed to comply. At present, framework has begun in the initial stage. Permission will be sought for the fresh water requirement prior to the operational phase to ensure adequate supply.</p>
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	Water Resources Department, Govt. of Odisha/ CGWB, failing which no ground water is allowed to be tapped. The PP shall install tamper proof digital flow meter at all water drawal and intake points for the project.	
ii.	The PP shall install one piezometer for ground water level monitoring and water level data shall be made available to CGWA through web portal as a part of six monthly compliance report. The PP shall comply with all conditions laid down in the NOC of CGWB.	Agreed to comply. We will follow the same.
iii.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Integrated Regional Office, MoEF&CC and SEIAA, Odisha along with six monthly Monitoring reports.	Agreed to comply: We will measure and record the quantity of fresh water usage, water recycling, and rainwater harvesting during the operational phase to monitor the water balance as projected. The records will be submitted to the Integrated Regional Office, MoEF&CC, and SEIAA, Odisha, along with the six-monthly monitoring reports.
iv.	The PP shall comply with all conditions as specified by CGWB/ Water Resources Department, Govt. of Odisha for the project for abstraction of ground water.	Agreed to comply. Same will be followed.
v.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of	Agreed to comply. We have provision of the dual plumbing plan during the operational phase.

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	recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	
vi.	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.	Agreed to comply. Same will be followed.
vii.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation re lines for flushing by giving dual plumbing system be done.	Agreed to comply. We have provision of the dual plumbing plan during the operational phase.
viii.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering. The proponent shall also obtain permission from Water Resources Department, Govt. of Odisha for drawl of water.	Agreed to comply. At present, framework has begun in the initial stage. Permission will be sought for the fresh water requirement prior to the operational phase to ensure adequate supply.
ix.	The proponent shall keep one bore well as standby domestic water source once municipal water supply is made available in the project area.	Agreed to comply. We will follow the same.
x.	A complete plan for rainwater harvesting at the proposed site shall be drawn up and implemented. The complete rainwater	Agreed to comply. Same will be followed.

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	harvesting plan shall be submitted to SEIAA within one month from this day. As proposed, 03 nos. of rainwater harvesting structures/tanks/pits for artificial ground water recharge shall be installed as per CGWB guidelines	
Solid Waste Management		
i.	The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.	Agreed to comply. Currently, framework has commenced in the initial stage. We have provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 will be followed.
ii.	All bio-medical waste generated from the project will be disposed through an approved agency as per Biomedical Waste Management Rules, 2016 and amendments thereafter.	Agreed to comply. Same will be followed.
iii.	Disposal of muck during construction phase shall 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.	Complied. Currently, only the frame work is being carried out in the initial stage. We are ensuring that the disposal of muck during the construction phase is not causing any adverse impact on the neighbouring communities. The muck is being disposed of with all necessary precautions related to general safety and public health, and only at approved sites with the consent of the

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		competent authority.
iv.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into biodegradable and inert materials. Biodegradable waste shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from the project will be sent to dumping site.	<p>Agreed to comply.</p> <p>Currently, framework has commenced in the initial stage. We will provide separate wet and dry bins in each unit and at ground level to facilitate waste segregation. Solid waste will be segregated into biodegradable and inert materials. Biodegradable waste will be composted in an Organic Waste Converter. Adequate space will be allocated within the premises for solid waste management, including areas for segregation and composting. Inert waste from the project will be sent to a designated dumping site. Waste management plan is enclosed as Annexure-11.</p>
v.	Any hazardous waste/or radioactive waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	<p>Agreed to comply.</p> <p>Same will be followed.</p>
vi.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.	<p>Agreed to comply.</p> <p>Currently, framework has commenced in the initial stage. Same will be followed.</p>
Sewage Treatment Plant		

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i.	<p>STP of 350 KL combined capacity (i.e. 1 x 250 KL for Hospital & Pediatric Wing and 1 x 100 KL for Dharamshala and Guest House) shall be installed before start of the operation phase of the building. Treatment of 100% grey water by decentralized treatment should be done. The treated waste water from STP shall be recycled / reused to the maximum extent possible. Flushing, washing, watering of the lawns and gardening, filter backwash, cleaning of the floors, etc. facilities are to be met by recycled water. Discharge of unused treated waste water shall conform to the norms and standards of the Odisha State Pollution Control Board. Necessary measures should be taken to mitigate the odour problem from STP. The sewage treatment plant shall be made functional before the completion of Building Complex. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.</p>	<p>Agreed to comply.</p> <p>We will install an STP with a combined capacity of 350 KL (comprising 1 x 250 KL for the Hospital & Pediatric Wing and 1 x 100 KL for the Dharamshala and Guest House) before the start of the operational phase of the building. Decentralized treatment of 100% grey water will be implemented. Treated wastewater from the STP will be recycled and reused to the maximum extent possible for purposes such as flushing, washing, lawn watering, gardening, filter backwash, and floor cleaning. Any unused treated wastewater will comply with the norms and standards set by the Odisha State Pollution Control Board.</p> <p>We will take necessary measures to mitigate any odour issues from the STP. The sewage treatment plant will be made functional before the completion of the building complex, and periodic monitoring of the treated sewage's water quality will be conducted to ensure compliance.</p>
ii.	<p>ETP of 95KLD shall be installed to treat clinical/hospital waste water generated from the project.</p>	<p>Agreed to comply.</p> <p>ETP of 95 KLD will be installed to treat clinical/hospital waste water generated from the project.</p>

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iii.	<p>Excess treated water shall be discharged to the drain only after getting permission from the concerned authority. The proponent shall renovate the existing drain to accommodate the discharge and maintain it perennially.</p>	<p>Agreed to comply. We will discharge excess treated water to the drain only after obtaining permission from the concerned authority. Additionally, we will renovate the existing drain to accommodate the discharge and ensure its perennial maintenance.</p>
iv.	<p>A certificate from the competent authority shall be obtained for discharging treated effluent/ untreated effluents into the Public sewer/disposal/drainage systems along with the final disposal point.</p>	<p>Agreed to comply A certificate from the competent authority will be obtained for discharging treated effluent/ untreated effluents into the Public sewer/disposal/drainage systems along with the final disposal point.</p>
v.	<p>The wastewater generated shall not be allowed to mix with storm water. The Project Proponent shall ensure separate approved line for discharge of treated waste water and that of storm water. No sewage or untreated effluent water would be discharged through storm water drains.</p>	<p>Agreed to comply. We have the provision for the same.</p>
vi.	<p>Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.</p>	<p>Agreed to comply. Same will be followed.</p>

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vii.	<p>The proponent shall obtain permission from the concerned authority to discharge the liquid waste to any drain i.e. the competent authority of the drain and "Nala" before commencement of any activity at the project site.</p>	<p>Agreed to comply.</p> <p>According to the MoM executed between the Government of Odisha and Tata Memorial Centre, the Government of Odisha will provide water supply, electricity, access to stormwater drainage, and road connectivity. This arrangement has been documented in the Minutes of the Meeting held on January 9, 2024, at 3:30 PM under the Chairmanship of the Chief Secretary of Odisha.</p> <p>Copy of the MoM is enclosed as Annexure-1.</p>
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Energy Conservation:

i.	<p>Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.</p>	<p>Agreed to comply.</p> <p>We have provision as per the ECBC. Energy Conservation measures is enclosed as Annexure-12.</p>
ii.	<p>Energy conservation measures like installation of CFLs/LED for the lighting the</p>	<p>Agreed to comply.</p> <p>We have provision as per the ECBC. Energy</p>

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	<p>area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.</p>	<p>Conservation measures is enclosed as Annexure-12.</p>
iii.	<p>The proponent shall use renewable energy/solar power of at least 5% of projected power requirement for the building premises as proposed.</p>	<p>Agreed to comply. We have provision of the same.</p>
iv.	<p>Solar energy shall be installed to meet electricity generation equivalent to 5% of the demand load/or as proposed or as per the state level/ local building bye-laws requirement, whichever is higher & feasible. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.</p>	<p>Agreed to comply. We have provision of the same.</p>
v.	<p>Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher.</p>	<p>Agreed to comply. Same will be followed.</p>

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vi.	<p>Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction</p>	<p>Agreed to comply. We have provision for the same.</p>
vii.	<p>A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.</p>	<p>Complied. Electricity Assurance has been received from the office of Special Secretary (PH) to government (Government of Odisha- Health and Family Department) Vide letter no. HFW-MEII-ESTT-0013-2022-21750/H&F.W dated 28.09.2022. Copy of the same is enclosed as Annexure-13.</p>

Air Quality Management and Noise Management:

i.	<p>The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and</p>	<p>Agreed to comply. We have proposed the stack height of DG set as per the CPCB standards. Stack height calculation is enclosed as Annexure-14.</p>
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	exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	
Greenbelt Development		
i.	<p>Green-belt, lawn area & avenue plantation of trees over the area of 34,530.51 Sqmt. (20.53% of plot area) shall be done using native tree species/shrubs improving greenery & keeping in view aesthetics considerations in the whole complex. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Professional landscape architects should be engaged to design the green layout to provide for multi-tier plantation and green fencing all around, mitigating various environmental pollutants like dust, noise, emissions etc. A minimum of 1 tree for every 80 Sqmt of land should be planted and maintained.</p>	<p>Agreed to comply.</p> <p>We will develop a green belt, lawn area, and avenue plantation of trees over an area of 34,530.51 sq. meters (20.53% of the plot area) using native tree species and shrubs to enhance greenery and maintain aesthetic appeal throughout the complex. Tree species with heavy foliage, broad leaves, and wide canopy cover will be prioritized. Professional landscape architects will be engaged to design the green layout, ensuring multi-tier plantation and green fencing around the premises to mitigate environmental pollutants such as dust, noise, and emissions. We will plant and maintain a minimum of one tree for every 80 sq. meters of land.</p> <p>Landscape detail is enclosed as Annexure-15.</p>
ii.	<p>Rainwater from open spaces shall be collected and reused for landscaping and other purposes. Roof top rain water harvesting shall be adopted for the proposed Buildings. Rainwater harvesting at the proposed site shall be implemented. Before recharging the surface runoff, pre-treatment must be done to remove</p>	<p>Agreed to comply.</p> <p>We will collect rainwater from open spaces and reuse it for landscaping and other purposes. Rooftop rainwater harvesting systems will be implemented for the proposed buildings. Rainwater harvesting will be carried out at the site, and before recharging the surface runoff, pre-treatment</p>

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	<p>suspended matter, oil and grease.</p>	<p>will be conducted to remove suspended matter, oil, and grease.</p>
Parking, Traffic & Transportation:		
i.	<p>A comprehensive mobility plan, as per Ministry of Urban Development best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.</p> <ul style="list-style-type: none"> ➤ Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. ➤ Traffic calming measures ➤ Proper design of entry and exit points. <p>Parking norms as per local regulation</p>	<p>Agreed to comply.</p> <p>Same will be followed.</p>
ii.	<p>A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 01 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to</p>	<p>Agreed to comply.</p> <p>Currently, framework has commenced in the initial stage. Same will be followed.</p>

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	be carried out by the project or other agencies in this 01 km radius of the site and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	
iii.	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 be operated only during non-peak hours.	Agreed to comply. Currently, framework has commenced in the initial stage. Same will be followed.
iv.	A dedicated entry/exit and parking shall be provided for commercial activities.	Agreed to comply. Currently, framework has commenced in the initial stage. We have provision for the same.
v.	Barricades shall be provided around project boundary.	Being complied Barricades is being provided around the project site boundary.
vi.	Speed of the vehicles shall be restricted upto 15 kmph by erecting speed bumps at regular intervals at project site and proper signage shall be provided for guided vehicular movement and speed restrictions.	Agreed to comply. We will restrict the speed of vehicles to a maximum of 15 kmph at the project site by installing speed bumps at regular intervals. Proper signage will be provided to ensure guided vehicular movement and enforce speed restrictions.

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vii.	Parking shall be prohibited on the access road to the proposed to the site.	Agreed to comply. Same will be followed.
viii.	Parking in terms of ECS & space, both for 4 wheelers / 2 wheelers for the project shall be provided as per the norms considering the residents and visitors in the project.	Agreed to comply. Same will be followed.
ix.	Footpath shall be seamless with sufficient width.	Agreed to comply. We will follow the same.
x.	No vehicles shall be allowed to stop and stand in front of the gate on main access.	Agreed to comply. No vehicles will be allowed to stop and stand in front of the gate on main access.
xi.	A buffer of minimum 10 m shall be maintained between the entry/exit gate and the road to avoid traffic congestion	Agreed to comply. Same will be followed.

Environment Management Plan:

i.	The company shall have a well laid down environmental policy duly approve by the Board of Directors/project authority. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements / deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders /	Agreed to comply. Same will be followed.
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	<p>stake holders. The copy of the board resolution in this regard shall be submitted to the Integrated Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha as a part of six-monthly report.</p>	
ii.	<p>An Environmental Management Plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like sewage treatment plant, landscaping, rain water harvesting, energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy, etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.</p>	<p>Agreed to comply. We have provision of Environment Management Cell. EMC is enclosed as Annexure-16.</p>
iii.	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by</p>	<p>Agreed to comply. Same will be followed. We have provision of Environment Management Cell. EMC is enclosed as Annexure-16.</p>

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	<p>competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Integrated Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha along with the Six Monthly Compliance Report.</p>	
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Half-yearly Compliance Report:

i.	<p>It shall be mandatory for the project management to submit six (06) monthly compliance reports on post environmental monitoring in respect of the stipulated terms and conditions in this Environmental Clearance to the State Environment Impact Assessment Authority (SEIAA), Odisha, SPCB & Integrated Regional Office of the Ministry of Environment & Forest, Odisha, the respective Zonal Office of CPCB and the SPCB in soft copies on 1 June and 1 December of each calendar year. No hard copy of six (06) monthly compliance reports shall be accepted by SEIAA. The proponent shall upload the compliance report including results of monitored data, as applicable in the PARIVESH website of the Ministry for monitoring of EC Conditions.</p>	<p>Agreed and Noted.</p> <p>Monitoring has been done during the May month. Lab data is enclosed as Annexure-10.</p>
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	<p>The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral 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.</p>	
ii.	<p>Officials from the Integrated Regional Office of MoEF&CC, Bhubaneswar/SPCB, Odisha who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.</p>	Agreed and Noted.
iii.	<p>The environmental statement for each financial year ending 31 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 Integrated Regional Offices of MoEF&CC, Govt. of India by E-mail.</p>	Agreed and Noted.

MISCELLANEOUS ENVIRONMENTAL CONDITIONS WHICH NEED TO BE COMPLIED WITH BY THE PROJECT PROPONENT:

Other Conditions:

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i.	<p>The project proponent shall inform the Integrated Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of operation by the project.</p>	Agreed and Noted.
ii.	<p>No further expansion/revision or modifications in the project shall be carried out without prior approval of SEIAA, Odisha. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, Odisha.</p>	Agreed and Noted.
iii.	<p>The SEIAA, Odisha reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner. The company in a time bound manner shall implement these conditions.</p>	Agreed and Noted.