

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

EC Letter REF. No. 2587/SEIAA Dated: 15/11/2014

FOR

**“(B+S+16) Multi Purpose Residential
Apartment Building”**

AT

**Located at Raghunathpur, Bhubaneswar, District:
Khurda, Odisha**

December, 2022

By

M/S M. J. ACCRETION PVT. LTD.

"(B+S+16) Multi-Purpose Residential Apartment Building"
Located at Raghunathpur, Bhubaneswar, District: Khurda, Odisha
M/s M. J. Accretion Pvt. Ltd.

(A) Compliance of Stipulated Environmental Conditions/ Safeguards in the Environmental Clearance Ref. No. 2587/SEIAA Dated 15th November 2014

S.No	Conditions	Status of Compliance
PART A - SPECIFIC CONDITIONS: Construction Phase:-		
1.	The project proponent shall obtain necessary building plan approval from BDA, Bhubaneswar. This Environmental Clearance is subject to approval of building plan by BDA, Bhubaneswar.	Agreed: The building plan approval from Bhubaneswar Development Authority has been obtained and is attached as Annexure-I.
2.	The applicant (Project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by them in Form-I, Form-IA, and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.	Agreed. All the necessary measures required for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution, Land Pollution and solid waste management are being implemented in general practice.
3.	The applicant will take statutory clearance /approval /permissions from the concerned authorities in	Agreed. We have taken statutory permissions required for the project. Please refer to the attached Fire NOC as

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	respect of the project as and when required.	Annexure-II and AAI NOC as Annexure-III .
4.	The applicant will submit half yearly compliance report on post environmental monitoring in respect of the stipulated terms and conditions in the Environmental Clearance to the State Environmental Impact Assessment Authority, (SEIAA), Odisha, SPCB, Regional Office of the Ministry of Environment & Forest, Odisha on 1 st June and 1 st December of each calendar year.	Agreed and will be complied.
5.	The project proponent shall obtain Periodic Occupancy Renewal Certificate from the competent authority at an interval of 3 to 5 years as per the provisions of National Building Code (NBC), 2005.	Agreed. The project is in construction phase right now, the Occupancy Certificate will be obtained once the project is operational and periodic renewal will be done as required.
6.	The project proponent shall comply to all the conditions stipulated by the Fire Prevention Officer, Odisha.	Agreed: The regulations prescribed by the Fire Prevention Officer, Odisha will be adhered to.
7.	The applicant will adopt the prescribed norms, and standards provided in the National Building Code of India, 2005.	Agreed: All the prescribed norms and standards provided in the National Building Code of India, 2016 will be followed.
8.	Considering the peak water consumption of the occupants, the design of the water supply system and the sewage disposal system of	Agreed: The water supply and sewage disposal design will be based on the water consumption as estimated during peak load.

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	the project should be based on the provisions of water consumption.	
9.	In case the water and sewer connections from the public water supply and sewerage systems maintained by the PHED are not technically feasible project as certified by the PHED and in case the proponent establishes its own water supply or sewerage system for the proposed complex, the proponent shall take full charge to operate and maintain the utility systems, confirming to the requirements of relevant authorities.	Agreed: All the necessary permissions will be taken from the relevant authority for discharge and maintenance of the sewerage system.
10.	The Project Proponent should ensure advertising in at least two local newspapers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environment clearance and copies of the clearance letters are available with SEIAA, Odisha and the Odisha State Pollution Control Board(OSPCB) and may also be seen on the website of the board. The advertisement shall be made within 7 (seven) days from the date of issue of the environmental clearance & a copy shall also be	Agreed. Advertisement will be published in local newspaper and the same will be submitted with Half-yearly compliance of next session.

	forwarded to the SEIAA, Odisha and Regional Office, Odisha of the Board,	
11.	The Proponent shall upload the status of compliance of the stipulated environmental clearance 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, SEIM, Odisha, the respective Zonal Office of CPCB and the SPCB.	Agreed and will be complied with.
12.	The environment statement for each financial year ending 31 st March in Form-Vas 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Agreed: Form-V will be submitted to the Odisha Pollution Control Board for each financial year ending 31 st March once the project is operational.
13.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred,	Agreed.

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	within a period of 30 days as prescribed under section 16 of the National Environment Appellate Act, 2010.	
II.	Special Conditions	
	A. Construction Phase	
i.	No ground water shall be extracted for the project work at any stage during the construction phase.	Agreed: We are using groundwater for construction of our project. The due permission has been obtained from CGWA and the same is attached as Annexure-IV .
ii.	Provision shall be made for the housing of construction laborers 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 etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed and is being complied.
iii.	A First-Aid room will be provided in the project site both during construction and operation of the project.	Agreed: First-Aid room is being provided for the workers and the same shall be maintained during operation of the project. Please refer to the attached photographs as Annexure-V .
iv.	All the top soil excavated during construction activities should be stored separately for use in land filling, horticulture /landscape development within the project site.	Agreed: The top soil excavated during construction is being used for greenbelt development within the project area.

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v.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and will be disposed off taking the necessary precautions for general safety and health aspects of people only in approved sites with the approval of competent authority.	Agreed and is being complied with.
vi.	Soil and ground water samples will be tested periodically to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Agreed and will be complied.
vii.	Construction spoils, including bituminous material and other hazardous materials should not be allowed to contaminate watercourses, ground water and dump sites by following safe dumping /disposal practice as per statutory rules and norms with necessary approval of the Odisha State Pollution Control Board.	Agreed and is being complied with.
viii.	The fuel for diesel generator sets to be used during construction phase shall use low sulfur diesel fuel and should conform to Environment (Protection) Rules 1986 prescribed for air emission and noise standards.	Agreed. Low sulfur diesel fuel is being used in the diesel generator sets.
ix.	The diesel required for operating	Agreed.

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	DGsets shall be stored in underground tanks and if required, clearance from the chief Controller of Explosives shall be taken.	
x.	Vehicles used for bringing construction materials to the site should be in good condition and should have a pollution check certificate, covered and conform to statutory air and noise emission standards and should be operated only during non-peak hours of the day.	Agreed and is being complied with. Please refer to the attached PUC certificate of vehicles being used as Annexure-VI.
xi.	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 taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/OPCB.	Agreed.
xii.	Fly ash bricks should be used as building material in the construction' as per the provisions of Fly Ash Notification of September, 1999 and as amended thereafter	Agreed. Fly ash bricks are being prioritized as building material in the construction of our project. Please refer to the attached bills of Fly ash bricks as Annexure-VII.
xiii.	Ready mixed concrete would be used	Agreed and is being complied

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	in building construction.	with. Please refer to the attached bills of RMC as Annexure-VIII.
xiv.	Storm water control and its re-use should be as per CGWB and BIS standards for these applications	Agreed.
xv.	Water demand during construction should be optimized by adopting best practices without compromising quality. It should be through the tanker obtained from the PHD, Odisha.	Agreed: All the effective measures are being taken to reduce the use of fresh water during construction phase.
xvi.	Separation of grey and black water supplies and collection should be done by the use of dual plumbing line. Grey and black water should be treated separately decontaminating the pollutants including heavy metals, oil etc. before recycling/ reuse.	Agreed.
xvii.	Fixtures for showers, toilet flushing and drinking water should be of low flow type and restricted to requirements by use of aerators, avoiding wastage pressure reducing devices or sensor based controls.	Agreed.
xviii.	Use of glass may be maximum up to 40% of total outer wall area to reduce the energy consumption and load on air-conditioning. If necessary, high quality double glass with special	Agreed and is being complied with.

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	reflective coating may be used in the windows.	
xix.	Roof should meet the prescribed requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.	Agreed and is being complied with.
xx.	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment etc. as per National Building Code of India, 2005 including protection measures from lightning etc.	Agreed and will be complied with.
xxi.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase to avoid disturbances and pollution to the surroundings.	Agreed and is being complied with.
xxii.	"Consent to Establish" shall be obtained from Odisha State Pollution Control Board and a copy shall be submitted to the SEIAA, Odisha before start of any construction work at the site.	Agreed and will be complied with.
PART A - SPECIFIC CONDITIONS: Operation Phase:-		
i.	The proponent has to install of STP of 650 KLD capacity with (FAB	Agreed.

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	Technology). Treated effluent from STP shall be recycled/ reused to the maximum extent possible after scientific treatment. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent 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.	
ii.	The proponent shall install solar panel at the top of the flat to provide solar energy to the occupants.	Agreed and will be complied with.
iii.	In no case there should be any discharge of treated effluent to outside the project premises.	Agreed and will be complied with.
iv.	The STP sludge should not be dried nor incinerated within the project site and should be disposed off as per the norms of SPCB, Odisha.	Agreed and will be complied with.
v.	The STP must be technically sound to treat all kinds of pollutants present in it and its capacity should take into account the entire load of sewage generated by the inhabitants.	Agreed.
vi.	The project proponent will ensure that under no circumstances, the environment is polluted due to non-	Agreed: Sewerage disposal system shall be maintained so as to ensure that environment is not polluted due to non-

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	functioning/under performance of sewerage disposal system of the project.	functioning/under performance of the same.
vii.	The solid waste generated should be properly collected and segregated. Wet garbage should be disposed off to be composted and dry/inert solid waste should be disposed through a certified agency for safe disposal. Necessary approval/permission may be obtained from the concerned authorities. In no case it should be left in the premises untreated.	Agreed: We ensure that the disposal of solid waste will be done through a certified agency for safe disposal.
viii.	Diesel power generating sets proposed as source of back-up power for lifts elevators and common area illumination during operation phase should be of enclosed type and conform to Environment Protection (EP) Rules 1986. The height of the stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets put together and should be more than the highest building height. Low sulfur diesel should be used. The location of the DG sets may be decided in consultation with Odisha State Pollution Control Board. Care may be taken to avoid disposal of smoke/pollutants from DG sets in the	Agreed and will be complied with.

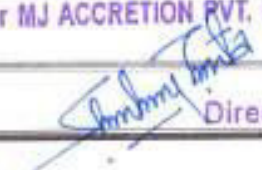
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	residential area. Low sulfur diesel oil (LDO or HSD) will be used in DG set.	
ix.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time, the noise levels measured at the boundary of the sites shall be restricted to the permissible levels to comply with the prevalent regulations.	Agreed.
x.	Green-belt & avenue plantation of trees over the site area (minimum) 19,540.28 Sq. Mt (20%) shall be done using native tree species/shrubs improving greenery & keeping in view aesthetics considerations in the whole complex. 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. and pathway for joggers.	Agreed and will be complied with.
xi.	Rain water harvesting for roof runoff and surface run-off should be implemented as per submitted plan. Before recharging the run off, pre-treatment must be done to remove suspended matter, oil, grease	Agreed and will be complied with.

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	<p>and other soluble components as per norms. Rainwater recharge should be through specified recharge pits of required numbers. The surface runoff water should be stored suitably treated and reused for landscaping. The bore-well for rainwater recharging should be kept at least 5 meter above the highest ground water table. The technology may preferably be adopted from a registered commercial firm with performance guarantee.</p>	
xii.	<p>Weep holes in the compound walls shall be provided to ensure natural drainage of excessive rain water in the project area during the monsoon period after the harvesting operations. Care must be taken so that there is no water logging in the territory and drainage is 100%.</p>	<p>Agreed and will be complied with.</p>
xiii.	<p>Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Traffic congestion shall be avoided inside the project site. The area ear- marked for parking shall not be used for any other purpose. Alternate entry and exit must be provided to handle excess traffic and</p>	<p>Agreed.</p>

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Director

	emergency situations.	
xiv.	A report on the energy conservation measures confirming to energy conservation norms finalized by the Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R&U Factors etc. and submitted to the SEIAA, Odisha in three months' time before operation/ habitation.	Agreed and will be complied with.
xv.	Provisions of solar hot water storage/supplies at the roof top may be made as per statutory norms of CPCB/MoEF/SPCB, Odisha.	Agreed: We shall explore the possibilities to have provisions of solar hot water storage and supplies if found feasible.
xvi.	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used 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 toxic contamination. Use of solar panels is adapted to the maximum extent possible, especially for street lights.	Agreed: Use of CFLs/TFLs for lighting, solar panels and every possible measure should be taken for energy conservation.
xvii.	The building blocks should have	Agreed and is being complied with.

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	adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	
xviii.	The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this fund shall be diverted for other purposes like Annual allocation and maintenance/ monitoring etc. and expenditure for this fund should be reported to the SEIAA, Odisha on regular basis	Agreed and will be complied with.

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Director