

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/182483/2020
 Environment & Climate
 Change Department
 Room No. 217, 2nd Floor,
 Mantralaya, Mumbai- 400032.
 Date: 28-09-21

To
 M/s.NXTRA DATA LIMITED,
 Plot IT 07, TTC Industrial Area,
 Mahape, Navi Mumbai.

Subject : Environment Clearance for Proposed development of IT/ITeS (Datacenter Storage) unit at Plot IT 07, TTC Industrial Area, Mahape, Navi Mumbai by M/s.NXTRA DATA LIMITED

Reference : Application no. SIA/MH/MIS/182483/2020

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-2 in its 149th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 229th Part B 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.	Plot area (sq.m)	30,000 sq.m	
2.	FSI area (sq.m)	59,905sq.m	
3.	Non FSI area (sq.m)	14,696.5sq.m	
4.	Proposed built up area (FSI +Non FSI) (sq.m)	74,601.5sq.m	
5.	Building Configuration	Building	Building Configuration
		Phase 1 Data center building + Guard House+ driver rest room + DG building + substation	Ground + 7 floors
		Phase 2 Data center building + DG building	Ground + 7 floors
		Phase 3 Data center building	Ground + 7 floors
6.	No. of tenements and shops	Nil	
7.	Total population	No. of users: Occupants: 300, Visitors: 30	

8.	Total water requirement CMD	Source: Supply from MIDC+ Recycled water from STP + Tanker <table border="1"> <thead> <tr> <th>Water Requirement</th> <th>Dry Season</th> <th>Wet Season</th> </tr> </thead> <tbody> <tr> <td>Fresh Water</td> <td>8 cmd</td> <td>8 cmd</td> </tr> <tr> <td>Gardening</td> <td>12 cmd</td> <td>0 cmd</td> </tr> <tr> <td>STP Treated Water</td> <td></td> <td></td> </tr> <tr> <td>- Flushing</td> <td>8 cmd</td> <td>8 cmd</td> </tr> <tr> <td>- Gardening</td> <td>6 cmd</td> <td>0 cmd</td> </tr> <tr> <td>Total water requirement</td> <td>34 cmd</td> <td>16 cmd</td> </tr> </tbody> </table>	Water Requirement	Dry Season	Wet Season	Fresh Water	8 cmd	8 cmd	Gardening	12 cmd	0 cmd	STP Treated Water			- Flushing	8 cmd	8 cmd	- Gardening	6 cmd	0 cmd	Total water requirement	34 cmd	16 cmd
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9.	Sewage generation (CMD)	Sewage generation: 16CMD																					
10.	STP Capacity (CMD) and Technology	Capacity of STP: 18CMD and STP Technology: MBBR Technology (Moving Bed Bio Reactor Technology)																					
11.	STP location	Ground																					
12.	Total solid waste quantities	Biodegradable Waste : 36 kg/day Non-Biodegradable Waste : 54 kg/day Total Solid Waste : 90 kg/day																					
13.	RG area in sq.m	RG required: 3000 sq.m RG provided on Mother Earth: 3000 sq.m RG provided on ground: 3000 sq.m RG provided on podium: Nil Total: 3000 sq.m																					
14.	Power requirement	During Operation phase: <table border="1"> <thead> <tr> <th>Particular</th> <th>Requirement</th> </tr> </thead> <tbody> <tr> <td>Demand load (MW)</td> <td>90</td> </tr> <tr> <td>Connected load (MW)</td> <td>100</td> </tr> </tbody> </table>	Particular	Requirement	Demand load (MW)	90	Connected load (MW)	100															
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15.	Energy Efficiency	Total Energy Savings (%): By using Energy Saving Measures: Data centre building: 11%-41% Infrastructure: 13% -27% Savings through Renewable Sources: Solar PV System of demand load (75 kW)																					
16.	DG set capacity	2.25 MVA x 56 nos.																					
17.	Parking 4W and 2W (nos)	Parking statement <table border="1"> <thead> <tr> <th>Parking details</th> <th>Required (nos.)</th> <th>Proposed (nos.)</th> </tr> </thead> <tbody> <tr> <td>Cars (ground parking)</td> <td>300</td> <td>107</td> </tr> <tr> <td>2 wheelers</td> <td>36</td> <td>24</td> </tr> <tr> <td>Visitors parking @ 10%</td> <td>36</td> <td>--</td> </tr> <tr> <td>Truck parking at loading bay</td> <td>--</td> <td>8</td> </tr> </tbody> </table>	Parking details	Required (nos.)	Proposed (nos.)	Cars (ground parking)	300	107	2 wheelers	36	24	Visitors parking @ 10%	36	--	Truck parking at loading bay	--	8						
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18.	Rain water harvesting scheme	RWH tank of capacity: 240 cum																					
19.	Project cost in (Cr.)	INR. 1250Crores																					

20.	EMP Cost	During Construction phase:		
		Environment Protection Measure	Capital Cost (Rs. in lakh)	O&M Cost (Rs. in lakh)
		Debris / Top-soil management	350.00	-
		Toilets for labour + drinking water + first aid arrangement	3.00	100.00
		Environmental monitoring	-	3.50
		Total	353.00	103.50
		During Operation Phase:		
		Environment Protection Measure	Capital Cost (Rs. in lakh)	O&M Cost (Rs. in lakh/ year)
		STP	80.00	7.15
		Solid Waste Management	3.00	0.25
		Rainwater Harvesting	23.00	1.25
		Green Belt & Landscaping	21.00	4.00
		Energy Saving Measures	70.00	1.50
		Environmental monitoring	-	2.50
		TOTAL	197.00	16.65
21.	CER details with justification if any	CER as per EMP cost mentioned above.		

3. The proposal has been considered by SEIAA in its 229th Part B 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 there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2. PP to obtain SWD, Sewerage and CFO NOC.
2. PP to relocate STP as bottom of STP is designed above the rain water harvesting tank.
3. PP to obtain Petroleum and Explosives Safety Organisation (PESO) licence for storage of HSD from competent authority.

4. PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary as the project site falls within 10 Km radius from the said sanctuary boundary.
5. PP to provide minimum 25 % four-wheeler and two-wheeler Parking's should be equipped with electric Charging facilities.
6. PP to declare campus as a plastic free zone (No pet bottles, cutlery). PP to ensure that plastics used in packaging should be recycled.

B. SEIAA Conditions-

1. PP to provide grass pavers of suitable types & strength to increase the water permeable mother earth area up to 1/3rd of plot area as well as allow effective fire tender movement.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
3. 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.
4. SEIAA after deliberation decided to grant EC for – FSI-21062.45 m², Non-FSI- 626.34 m², Total BUA-21688.79 m². (Plan approval - EE/DN.II/MHP/SPA/C04302/OF 2021;Dated 08/04/2021.)

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. 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.
- XVII. 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.
- XVIII. 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.
- XIX. 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.
- XX. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell /designated person.

B) Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- III. a) The installation of the Sewage Treatment Plant (STP) should be certified by an

independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.

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

SPM, RSPM. SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

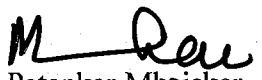
C) General EC Conditions:-

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

as per EIA Notification, 2006, amended 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.


Manisha Patankar-Mhaishkar
(Member Secretary, SEIAA)
28/1/2021

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, Thane.
6. Commissioner, Thane Municipal Corporation
7. CEO, MIDC.
8. Regional Officer, Maharashtra Pollution Control Board, Thane.