

Ambuja Realty Development Limited.



"Registered office"

**"Ecospace Business Park" Block -4B, Action Area - II, New Town, Kolkata - 700156, West Bengal
Six Monthly Compliance Report of ECOSPACE Project for the period of APRIL 2020 TO SEPT 2020**



"Project Site "

ECOSPACE, NEWTOWN, RAJARHAT, West Bengal

Ambuja Realty Development Limited.

Ref: AP/ECOSPACE-ARDL / EC/ SEIA/ Compliance/20-21

Date: 26.11.2020

To,
Secretary State Level Environmental Impact Assessment Authority, WB.
Department of Environment,
5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III,
Bidhannagar, Kolkata – 700 106

Dear Sir,
Subject: Submission of six monthly compliance reports for the period of April 20 to Sept 20 for the “ECOSPACE-ARDL” at Premises No.- IIF/11 IT, New Town, Rajarhat, Kolkata -700156, West Bengal of M/S Ambuja Realty Development Limited.

We are pleased to submit the six monthly monitoring reports to you of our above mentioned project at Kolkata, West Bengal. The project is in operational phase.

The Compliance report has been prepared against the conditioned mentioned in the Environmental clearance vide Ref No. EN/1310/T-II-1/005/2007 dt. 29/04/2009 and the Consent to Operate issued by West Bengal Pollution Control Board for the period.

This year due to Covid 19 pandemic, all IT offices are closed and this office complex is also closed for operation till August 2020 for the safety of the employees as per the decision conveyed by all organizations.

Considering the above stated status Environmental Monitoring was not conducted for the period of April 20 to June 20. Monitoring will be started from October 2020. Monitoring report for the period of October 20 to march 21 will be furnished along with next compliance report.

We have furnished here with the compliance report based on the stipulation mentioned in the above-mentioned EC. The report is also available in the company website. <http://www.ambujaneotia.com>.

This is for your kind information and record in this regard.

Thanking you,

Yours faithfully,

For **Ambuja Realty Development Limited.**

Anindya Pal

Asst. General Manager – Compliance

Cc. In charge EMI Cell West Bengal Pollution Control Board, Paribesh Bhawan, 10 A, Block – LA, Sector III, Saltlake, Kolkata – 700 098



Six Monthly Compliance Report on Environmental Clearance

Purpose of the Report

This six-monthly report is being submitted as per the condition stipulated in the Environmental Clearance Notification.

The environmental assessment is being carried out to verify:

- That the project does not have any adverse environmental impacts in the project area and its surrounding
- Compliance with the conditions stipulated in the Environmental Clearance Letter.
- That the Project Management is implementing the environmental mitigation measures as suggested in the approved Form-1, Form-1A, Environmental Management Plan (EMP) and building plans.
- The project proponent is implementing the environmental safeguards in true spirit.
- The compliance report has been presented in this report for the phase of IT & ITES Complex comprising of 4 blocks(1 Blocks of 1B+G+6, 1B+G+7 and 2 Blocks of 1B+G+8 storied buildings) and Food Court which are now in operational phase.

Ambuja Realty Development Limited.



LOCATION OF ECOSPACE (AMBUJA REALTY DEVELOPMENT LIMITED) BUSINESS PARK

Ambuja Realty Development Limited.

Project at a glance:

A multi-user integrated complex, Ecospace represents a futuristic plan to meet the needs of a responsible global corporate. Ecospace is set in sylvan surroundings, pastoral green vying with vivid seasonal colours. It is a unique combination of the best Nature can offer and technology can create. Ecospace, the Business Park, is a green building complex built in accordance to Gold Rating requirements of LEED.

SALIENT FEATURES OF PROJECT	
Project Name	ECOSPACE (Ambuja Realty Development Limited)
Project address	Premises No.- IIF/11 IT, New Town, Rajarhat, Kolkata -700156
EC No.	EN/1310/T-II-1/005/2007
Date of issuance	29/04/2009
Consent to Establish (NOC) No.	NO61766
Vide Memo No	489-2N-248/2006(E)
Date of issuance	24/07/2009
NOC Validity	31/05/2014
Consent to Operate No.	CO090181
Vide Memo No	35-sl-CO-r/16/027
Date of issuance	16.09.2016 -Renewed
CTO Validity	30.6.2021
Land area	10 acres (approx),40483.53 sqm
Built up area	114436.36 sqm
Ground coverage	34.92% of land area
Building description	IT & ITES Complex comprising of 4 blocks(1 Blocks of 1B+G+6, 1B+G+7 and 2 Blocks of 1B+G+8 storied buildings) and Food Court.
Landscape Green Area	26.8% of land area
Paved area	24.56% of land area
Total water requirement	648 KLD (Operation stage)
Fresh water requirement	During Dry Season -526 KLD (WBHIDCO supply), During Rainy Season -254 KLD (WBHIDCO supply),272 KLD Rain Water
Waste water generated	519 KLD (to be treated in STP, Design Capacity-520 KLD)
Waste water discharged	During Dry Season -56 KLD (WBHIDCO sewer line after treatment in STP), During Rainy Season -226 KLD (WBHIDCO sewer line after treatment in STP)
Waste water reused	During Dry Season -452 KLD (after treatment in STP), During Rainy Season -282 KLD (after treatment in STP)
Solid waste disposal	2.25 tonne per day
Backup power	8 nos. DG sets each 625 KVA & 2 nos. of DG sets 1010 KVA
Status of construction	Construction of the project is completed. The project is in operational phase.

Special Feature of the Project: - The project is LEED Certified building under U.S.G.B.C.

Ambuja Realty Development Limited.

Environment Clearance

Department of Environment
Government of West Bengal
Block G, 2nd Floor, Writers Building
Kolkata :700001

No. EN/ 3/0/T-II-1/005/2007

Date: 29/04/2009

To
M/s. Udayan Greenfield Developers Pvt. Ltd
Vishwakarma
86C Topsia Road (South)
Kolkata – 700 046

Subject : Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata..

Sir,

This has a reference to your application no. ARDL/ECSP/F.5171 dt 17th January, 2007 and subsequent communications for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata.

The proposal has been examined and processed in accordance with EIA Notification, of 2006. It is noted that the proposed project proposal is for construction of IT & ITES Complex comprising of 4 blocks (1 Block of 1B+G+6, 1Block of 1B+G+7 and 2 Blocks of 1B+G+8 storied buildings) and Food Court.

It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows :

Land Area	: 10 acres (approx.), 40483.53 sqm.
Expected Population	: 9003 persons
Total Water requirement	: 648 KLD (Operation stage)
Fresh Water requirement	: During Dry Season - 526 KLD (WBHIDCO supply)
Fresh Water requirement	: During Rainy Season - 254 KLD (WBHIDCO supply), 272 KLD Rain Water
Wastewater generated	: 519 KLD (to be treated in STP, Design capacity – 520 KLD)
Wastewater discharged	: During Dry Season - 56 KLD (WBHIDCO sewer line after treatment in STP)
Wastewater discharged	: During Rainy Season - 226 KLD (WBHIDCO sewer line after treatment in STP)
Wastewater reused	: During Dry Season - 452 KLD (after treatment in STP)
Wastewater reused	: During Rainy Season - 282 KLD (after treatment in STP)
Solid waste disposal	: 2.25 tonne per day

Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata.

Total Built-up Area	: 114436.36 sqm.
Ground Coverage	: 34.92% of land area
Landscaped Green Area	: 26.8 % of land area.
Total Paved Area	: 24.56 % of land area.
No. of Parking spaces proposed	: 1233 (Cars – 992, LCV – 180, Bus – 61)
Total Power requirement	: 7500 KVA, NTESC
Backup Power	: 8 nos. DG Sets each 625 KVA & 2 nos. DG Sets 1010 KVA.

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused the recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below.

Part A – SPECIFIC CONDITIONS

I. Construction Phase

Facility of labourers during construction:-

- Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps.
- Water usage during construction should be optimised to avoid any wastage.
- Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. Sewage generated from the areas occupied by the construction labourers have to be directed into the existing sewage drain of the area. In case of non availability of the sewer system, an onsite treatment system has to be provided.
- Health and safety of the workers should be ensured during construction. Personnel protective equipment like helmets, earmuffs, earplugs etc. should be provided to the workers. For vibration control damped tools must be used and the number of hours that a worker uses them must be limited.

Steps to avoid disturbance during construction:-

- Adequate erosion and sediment control measures to be adopted before ensuing construction activities.
- Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighbouring communities and disposed off taking the necessary precautions for general safety and health aspects.
- Diesel generator sets during construction phase should have acoustic enclosures and should conform to E(P) Rules prescribed for air and noise emission standards.
- Vehicles / equipment deployed during construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

Ambuja Realty Development Limited.

Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. III/11 IT, New Town, Rajarhat, Kolkata.

- v. Ambient noise levels should conform to residential standards both during day and night. Only limited necessary construction should be done during nighttime. Fortnightly monitoring of ambient air quality (SPM, SO₂ and NO_x) and equivalent noise levels should be ensured during construction phase.
- vi. Construction spoils including bituminous material and other hazardous materials including oil from construction equipments must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water. If necessary, oil trap should be installed where there is deployment of heavy machineries.
- vii. Regular supervision of the above and other measures should be in place all through the construction phase so as to avoid disturbance to the surroundings.
- viii. The proponent must ensure that no driven piles shall be proposed for this project.
- ix. 15m-screen and adequate sprinkler arrangement shall be provided. Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to winds.
- x. Loading and unloading operations should not be carried out in open areas.
- xi. Use of Ready-Mix concrete is recommended for this project.
- xii. Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.
- xiii. Adequate mitigative measures should be adopted to control dust emissions, noise and vibrations from construction activities. Vehicles and construction machineries should be properly maintained. Vehicles should conform to Pollution under control (PUC) norms.
- xiv. Locally available materials with less transportation cost should be used preferably.
- xv. Promotion of use of cleaner fuel and fuel quality improvement should be done. Excessive energy consumption and fuel usage should be avoided.
- xvi. Accumulation / stagnation of water should be avoided to ensure vector control.

Selection of materials for better energy efficiency:-

- i. Use of energy efficient construction materials should be ensured to achieve the desired thermal comfort.
- ii. Design layout should ensure adequate solar access and ventilation. Proper planning and window design for daylight integration should be considered.
- iii. Use of ash based bricks should be explored to the maximum extent possible. Blended cement with fly ash will be used. The provisions of MoEF Notifications on "Fly Ash Utilization" must be complied with.
- iv. Construction should conform to the requirements of local seismic regulations. The project proponent should obtain permission for the plans and designs including structural design, standard and specifications from concerned authority.
- v. Construction technologies that require less material and possess high strength should be adopted. Materials with low embodied energy and high strength should be used preferably.
- vi. Use of alternate building materials and alternate construction techniques should be considered apart from the conventional materials and methods. Use of hollow unit masonry should be co-considered.
- vii. Use of energy efficient lighting systems e.g. High Pressure Sodium Vapour (HPSV) Lamps, LED etc. should be promoted. Solar energy should be used for outdoor lighting as far as practicable.

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Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. III/11 IT, New Town, Rajarhat, Kolkata.

- viii. Passive solar cooling to be incorporated in building design. Buildings should be oriented for ensuring natural ventilation and daylighting.
- ix. Proper insulation of roof should be provided to achieve desired thermal comfort. Use of light coloured, reflective roofs having an SRI (solar reflectance index) of 50% or more should be incorporated.
- x. Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.
- xi. Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.
- xii. Reduce hard paving-casite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.
- xiii. Adequate open space, greenery and water bodies to be provided as per rules.
- xiv. Any proposed building with air-conditioning facility should follow the norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency. Chillers should be CFC & HCFC free.
- xv. Restrict the use of glazed surface as per National Building Code 2005.

Water Body Conservation:-

- i. No water body should be lined and no embankments should be cemented. The water bodies are to be kept in natural conditions without disturbing the ecological habitat. The water bodies within the project area shall be maintained in conformity with the conditions stipulated in the Environmental Clearance and the NOC accorded to the Department of Housing, Government of West Bengal for the proposed New Town Project at Rajarhat.

Plantation Proposal:-

- i. The unit should strictly abide by the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007. The proponent should undertake plantation of trees over atleast 20% of the land area.
- ii. The proponent should plant atleast 570 trees. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

Water supply :-

- i. Water requirement during construction phase shall be met from WBHDICO / Notified Township Authority supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.

Sewage Treatment Plant:-

- i. As per the proposal submitted by the proponent wastewater shall be treated in STP. Treated wastewater shall be partly reused and partly discharged to WBHDICO / Notified Township Authority sewer line.

Stormwater Management & Mitigation of Heat Island Effect :-

- i. Imperviousness of the site shall not exceed the NBC (National Building Code 2005) standards for imperviousness factor applicable to different types of area.

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Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. III/11 IT, New Town, Rajarhat, Kolkata.

- ii. Total paved area of site under parking, roads, paths or any other use should not exceed 25% of the site area.
- iii. Minimum 50% of paved area on site should have pervious paving or shaded under vegetation or topped with finish having solar reflectance of 0.5 or higher.
- iv. Adequate stormwater drainage network to be designed for the project without disturbing the surrounding settlements. Storm water management plan should be implemented so as to prevent sudden discharge of excessive volumes of storm water to the receiving waters thus reducing the shock load on the drainage system and impact on receiving water body.
- v. Disruption to the natural hydrology of the site should be minimised by reducing impervious cover, increasing on site infiltration and managing storm water run off.
- vi. Heat island effect should be minimized by use of shading or reflective surfaces, mainly the surfaces that contribute to the heat island effect i.e. streets, sidewalks, parking lots and buildings.

Rain Water Harvesting Scheme :-

- i. The proponent must follow the Rainwater Harvesting Guidelines of the State Level Expert Appraisal Committee (SEAC) available in the website (<http://www.wbpcb.gov.in>).
- ii. The proponent must collect rainwater from roof-top catchments and reuse for various purposes after necessary cleaning. Water bodies may be created and used for storing rain water. Adequate retention time and storage provisions should be provided for harvesting rainwater.
- iii. The sub-surface recharge proposal including the design of recharge structure and location of recharge structure should be approved by competent authority as per West Bengal Ground Water Resources (Management, control and Regulation) Act, 2005. The total quantity of the rainwater which would be harvested, including surface storage and sub-surface recharge, should also be mentioned in the proposal.
- iv. Adequate water storage for firefighting should be provided as per norms.

Municipal Solid Waste Management :-

- i. Adequate provision shall be made for storage of solid waste and adequate means of access shall be provided. Space should be kept reserved for waste storage, collection etc. in site planning and architectural designs.

Transport Management :-

- i. Both internal and external traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.
- ii. The design of service road and the entry and exit from the project area should conform to the norms & standards of competent authority for traffic management. Bell mouth type arrangement should be made at the entry & exit from the site. Proper traffic management plan should be adopted in consultation with Traffic authorities.

Others:-

- i. All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.
- ii. Provision of Effective Controls and Building Management Systems such as Automatic Fire Alarm and Fire Detection and Suppression System, Building Automation System for Energy Conservation, Management Information Systems etc. must be ensured.
- iii. Automatic lighting control, occupancy sensors, heat exchanger, high efficiency chillers etc. should be provided for energy conservation as applicable.

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Ambuja Realty Development Limited.

Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata.

Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata.

- iv. Efficient management of indoor air quality must be ensured for health and safety of the users.
- v. Adequate measures to be adopted for water conservation during construction and operation stage. Use of efficient irrigation equipment, evaporative cooling unit in air-conditioning system etc should be considered.
- vi. Rest room facilities should be provided for service population.
- vii. Provisions should be kept for the integration of solar water heating system.
- viii. Adequate access to fire tenders should be provided.
- ix. CO monitoring facility with automatic alarm should be provided at basement car parking.

- iv. Energy efficient Motors and properly rated Transformers should be installed. Manufacturer's certificate to this effect shall be obtained and kept on record. Back up power supply should be based on cleaner fuel.
- v. The power cabling shall be adequately sized as to maintain the distribution losses not to exceed 1% of the total power usage. Record of transmission losses shall be maintained. The proponent shall install permanent electrical metering to record demand (kVA), energy (kWh) and total power factor.
- vi. The project proponent should resort to solar energy at least for street lighting and water heating.
- vii. Energy Audits should be conducted on a regular basis.

II. Operation Phase

Water supply :-

- i. Water requirement during operation phase shall be met from WBHIDCO / Notified Township Authority supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- ii. Use of water meter conforming to ISO standards should be installed at the inlet point of water uptake to monitor the daily water consumption. Use of water efficient devices / fixtures and appliances should be promoted. Installation of dual flushing system should be considered to conserve water.
- iii. The proponent must practice rainwater harvesting on regular basis.

Sewage Treatment Plant:-

- i. As per the proposal submitted by the proponent wastewater shall be treated in STP. Treated wastewater shall be partly reused for gardening, car washing etc. and partly discharged to WBHIDCO / Notified Township Authority sewer line. Discharge of treated sewage shall conform to E(P) Rules. Sewage Treatment Plants should be monitored on a regular basis.
- ii. Reuse of treated wastewater should be carried out as proposed.

Emission from Diesel Generator Set: -

- i. Noise barriers will be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. Diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself as per CPCB norms.
- ii. The stack height and emissions from D.G. sets should conform to the norms of Central Pollution Control Board. The certification of space design for DG sets should be done by competent authority.

Ensure Energy Efficiency:-

- i. Use of energy efficient construction materials to achieve the desired thermal comfort should be incorporated. The desired level of R and U factors must be achieved. U factor for the top roof should not exceed 0.4 Watt/sq.m/degree centigrade with appropriate modifications of specifications and building technologies. The provisions of National Building Code 2005 should be strictly followed.
- ii. The lighting design and the heating, ventilation and air conditioning systems should conform to the recommendations of the Energy Conservation Building Code 2007 of the Bureau of Energy Efficiency, GoI.
- iii. Use of energy efficient electrical systems should be promoted. High efficiency lamps with electronic ballasts should be used.

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Transport Management: -

- i. Use of public mode of transportation should be promoted. Use of the least polluting type of transportation should be promoted. Adequate parking space should be provided as per norms.
- ii. Pathways should be covered or shadowed by tree canopy as far as practicable. Transport system should be such that traffic will be calm in neighbourhoods. Traffic within the project site should be restricted by regulation. Adequate vertical and horizontal clearances of overhead electric power and telecommunication lines should be provided.

Solid Waste Management:-

- i. The proponent should abide by the Municipal Solid Wastes (Management and Handling) Rules, 2000. The proponent must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed off in consultation with WBHIDCO / Notified Township Authority.
- ii. The proponent should provide different coloured bins for different categories of waste and ensure complete segregation of biodegradable and non-biodegradable wastes. The solid waste from different collection and storage bins should be finally collected at transfer stations. Further segregation will be done at transfer stations to collect recyclables such as plastic, polythene, glass, metals, textiles, rubbers, leathers, paper etc. Separate compartments shall be provided for each type of recyclables.
- iii. The proponent should abide by the Hazardous Wastes (Management and Handling) Rules, 2003. Collection and storage of hazardous wastes during Pre-construction and Post-construction activity should be planned properly. The expected hazardous wastes should be disposed off separately as per the Hazardous Wastes (Management and Handling) Rules, 2003.
- iv. Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous Wastes (Management and Handling) Rules, 2003. Spent oil from DG Sets should be disposed off through registered recyclers only.

E-Waste Management:-

- i. Various types of electrical and electronic wastes generated in the building, which includes PC, Xerox machine components etc. should be collected separately for transportation to the authorized recyclers approved by the State / Central Pollution Control Boards. There should also be provision for storage of these wastes in the building before transportation. The e-waste collected should be processed in authorized recycling unit.

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Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata.

Others :-

- i. The implementation of Environmental Management Plan should be carried out, as proposed. Regular monitoring should be carried out during construction and operation phases.
- ii. The project proponent should provide guidelines to the users to ensure conservation of energy and water. In-house environmental awareness campaigns should be carried out at regular intervals to ensure environmental protection.
- iii. The proponent should restrict the use of glazed surface as per National Building Code 2005.
- iv. Firefighting systems should be designed in compliance with the WBFS and NBC norms. Preventive measures should be adopted for Risk & Disaster Management as per the provisions of the National Building Code 2005.
- v. The proponent should implement Corporate Social Responsibility Plan with specific financial commitment for the proposed project.
- vi. Environmental Management Information System shall be maintained properly.

Part-B GENERAL CONDITIONS

- i. The environmental safeguards contained in the EMP report should be implemented in letter and spirit.
- ii. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- iii. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase.
- iv. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
- v. The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.
- vi. Six monthly monitoring reports should be submitted to the West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards and should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.
- vii. In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable.
- viii. In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.
- ix. The State Level Environment Impact Assessment Authority 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.
- x. The Project Proponent should inform the public that the proposed project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the SEIAA (<http://enviswb.gov.in>). This should be advertised within seven days from the date



Conditions for Environmental Clearance for the proposed IT & ITES Project "ECOSPACE" by M/s. Udayan Greenfield Developers Private Limited at Premises No. IIF/11 IT, New Town, Rajarhat, Kolkata.

- of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.
- xi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Civil Aviation Department (if required) etc. shall be obtained by project proponents from the competent authorities.
- xii. Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustained Operation and Maintenance (O&M) of the common facilities (STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc.) even after transfer of ownership of the project, should be made in explicit and transparent manner.
- xiii. The project proponent should strictly abide by the conditions laid down in the Environmental Clearance for the proposed New Town Project at Rajarhat, Kolkata, accorded by the Department of Environment, Government of West Bengal to the Department of Housing, Government of West Bengal vide Memo No. EN/1998/4W-8/99 dated 10th November, 1999 and Memo No. EN/P/90/4W-8/99(Pt.II) dated 30th January, 2003.
- xiv. The project proponent should also abide by the NOC conditions accorded by the West Bengal Pollution Control Board to the Department of Housing, Government of West Bengal for the proposed New Town Project at Rajarhat, Kolkata, vide Sl. No. 04462 Memo No. 1295-175/WPB-NOC/99-2000 dated 31st August, 1999 and Sl. No. NO10868 Memo No. 7041-175/wpb/NOC/99-2000 dated 9th June, 2004.
- xv. Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB by the proponent. All other statutory clearances should be obtained by project proponent from the competent authorities.
- xvi. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.



(Debaj Ray)

Member Secretary, SEIAA &
Chief Environment Officer

Ambuja Realty Development Limited.***Environmental Clearance after mutated to Ambuja Realty Development Limited***

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
Poutra Bhawan, FD-415-A, Sector-III, Salt Lake, Kolkata - 700 106
e-mail: environmentwb@gmail.com
Web Portal: www.environmentwb.gov.in

No. 1464 / EN / T - II - 1 / 005 / 2007

Date: 5th July, 2016

From: Member Secretary, SEIAA.

To
M/s Ambuja Realty Development Ltd.,
Ecospace Business Park, Block 4B,
6th floor, Premises No. IIF/11, Action Area, New Town,
Kolkata 700 156.


Sub: Environmental Clearance for the proposed IT & ITES Project "ECOSPACER" at Premises
No. IIF/11 II, New Town, Rajarhat, Kolkata, West Bengal.

Ref: Your letter No. AP/UGDL/EC/SEIAA/02/05/15-16-231, dated 30.03.2016.
Your letter No. AP/ARDL/EC/SEIAA/03/05/15-16-233, dated 06.05.2016.
Your letter No. AP/ARDL/EC/SEIAA/03/05/15-16-247, dated 23.06.2016.

Sir,
SEIAA considered the submission of M/s. Ambuja Realty Development Ltd. and decided to transfer the Environmental Clearance, issued to M/s. Udayan Greenfield Developers Pvt. Ltd. vide No. EN/1510/T-II-1/005/2007 dated 29.04.2009, in favor of M/s. Ambuja Realty Development Ltd. as per the provisions stated in paragraph 11 of EIA Notification, 2006.

All conditions stated in the environment clearance would remain same.

Yours sincerely,


(Sandipan Mukherjee, IPS)
Member Secretary, SEIAA

No. / EN / T - II - 1 / 005 / 2007

Date: July, 2016

Copy forwarded for the information to:

The Secretary, State Level Expert Appraisal Committee, and Member Secretary, West Bengal
Pollution Control Board, 'Paribesh Bhawan', LA, Salt Lake Sector III, Kolkata - 700 098.

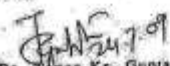
Sd/-
(Sandipan Mukherjee, IPS)
Member Secretary, SEIAA

Ambuja Realty Development Limited.

Annexure to NOC Sl. No. NO61766
Special Conditions issued to
M/s. Udayan Greenfield Developers Private Limited
for the proposed IT & ITES Project "ECOSPACE" at Premises No. IIF/11 IT, New Town, Rajarhat, Pin - 700153, Dist. - 24 Parganas (N)

Pg 2 of 3

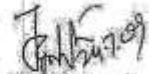
5. Adequate measures are to be taken to reduce vibration during piling work.
6. Water sprinkling arrangement should be ensured at every loading and unloading point to prevent spreading of dust. Rubbish, debris, broken materials and others must be kept properly within project area at suitable place with proper water sprinkling to prevent fugitive dust spreading.
7. Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps. Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. Health and safety of the workers should be ensured during construction.
8. The project proponent should take necessary care not to cause any inconvenience to the residents of surrounding neighbourhood. Regular supervision should be in place all through the construction phase so as to avoid disturbance to the surroundings.
9. The Project Proponent will ensure that no accumulation of any kind of water occurs within the project area to prevent breeding of various disease spreading vectors.
10. Necessary dust barrier should be provided during construction phase. Before taking up the construction work it is preferable to enclose the area with some enclosure.
11. Appropriate arrangement is to be done for rainwater harvesting within the site. The proponent must practice rainwater harvesting on regular basis.
12. Ground water should not be abstracted without prior permission of the Competent Authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
13. Provision of screen wall should be made surrounding the batching plant, if installed for control of fugitive emission from such operation.
14. Fly Ash is to be compulsorily used for construction as per notification No. S.O.979(E) dated 27.8.2003 of MoEF, Govt. of India and subsequent amendments.
15. Proper steps are to be taken so that the flora and fauna are not affected during the construction phase.
16. The proponent should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007.
17. No trees can be felled without prior permission from the Tree Cutting Authority constituted as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules.
18. Adequate green belt is to be developed within the project site. Water intensive and/or invasive species should not be used for landscaping.
19. No water body should be lined and no embankments should be cemented. The water body, if any, is to be kept in natural condition without disturbing the ecological habitat.
20. Adequate firefighting storage should be provided as per Rules.


Dr. Tapas Kr. Gupta
 CHIEF ENGINEER - I
 W.B. POLLUTION CONTROL BOARD
 KOLKATA-700 098

Annexure to NOC Sl. No. NO61766
Special Conditions issued to
M/s. Udayan Greenfield Developers Private Limited
for the proposed IT & ITES Project "ECOSPACE" at Premises No. IIF/11 IT, New Town, Rajarhat, Pin - 700153, Dist. - 24 Parganas (N)

Pg 3 of 3

21. Adequate parking space should be provided within the project site as per Rules.
22. Road design should be done with due consideration for environment and safety of users. The entry and exit points should be designed properly without disturbing the existing traffic.
23. Use of energy efficient construction materials should be ensured. Water efficient devices / fixtures should be installed. Energy efficient systems should be installed.
24. Adequate provision shall be made for storage of solid waste and adequate means of access shall be provided. Vats / bins should be provided inside the project area from where the wastes are to be disposed off by arrangement with the local body.
25. The proponent shall undertake awareness programmes for the residents to promote water and energy conservation and to ensure environmental protection.
26. No expansion of the project should be undertaken without prior permission of the State Board.
27. The unit should not start operation without obtaining 'Consent to Operate' from this Board.
28. The unit should abide by the Terms and Conditions of the agreement made with WBHDCCO.
29. The proponent should abide by the conditions stipulated in the Environmental Clearance accorded by the State Environment Impact Assessment Authority (SELAA), West Bengal, vide No. EN/1310/T-II-1/05/2007 dated 29.04.2009.
30. This NOC is valid upto 31.05.2014 for construction of the proposed IT & ITES Complex comprising of 4 blocks (1 Block of 1B+G+6, 1Block of 1B+G+7 and 2 Blocks of 1B+G+8 storied buildings) and Food Court with Total Built-up Area of 114436.36 sqm.


Member Secretary / Chief Engineer-I
 West Bengal Pollution Control Board
 CHIEF ENGINEER - I
 W.B. POLLUTION CONTROL BOARD
 KOLKATA-700 098

Ambuja Realty Development Limited.

Consent to Establish after mutated to Ambuja Realty Development Limited

SPEED POST

NOC: NO139546
WEST BENGAL POLLUTION CONTROL BOARD
 Paribesh Bhawan
 10A, Block-LA, Sector-II
 Bidhannagar, Kolkata-700 098

Memorandum No. 477 - 2N-248/2006(B) Dated 02/08/2016

From:
 Member Secretary
 West Bengal Pollution Control Board



To: M/s. Ambuja Realty Development Ltd.
Ecospace Business Park, Block 4B, 6th Floor, Premises No. IIF/II,
Action Area II, P.O.P.S - New Town, Kolkata - 700 160.

Sub: Consent to Establish (NOC) from Environmental Point of View

Ref: i. Your letter No. AP/ARD/ACC/EMI/04/05/16-17-251 dated 22.07.2015
ii. Letter from SBIAA, W.B. vide No. 1454/SN/T-II-1/005/2007 dtd. 05.07.2016

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s. Ambuja Realty Development Ltd.
Change in Ownership from M/s. Udayan Greenfield Developers Ltd for the project "ECOSPAC BUSINESS PARK".
Premises no. IIF/II, P.O. + P.S - New Town, Kolkata - 700 160.
 this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

- The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2430 (Pt. I) of 1974, and its subsequent amendment and Environment (Protection) Rules 1986.
- Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
- You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
- All emission from your factory shall conform to the standards as laid down by this Board.
- No. emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
- No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

(Signature)
 Sr. Environmental Engineer
 W. B. Pollution Control Board
 Dept. of Environment, GoWB

Ambuja Realty Development Limited.

Consent to Operate

WEST BENGAL POLLUTION CONTROL BOARD

Park Road, B-10, Block-A, Sector-10, Salt Lake City, Kolkata-700 058
(Orange/Green Category Unit)



Consent Letter Number: WB/2019/2012

Memo Number: 242-SE-2488-4890-1A-408/2012

Date: 26-11-2012

Consent to Operate under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

The West Bengal Pollution Control Board (hereinafter referred to as "State Board") under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended, and Rules and Orders made thereunder hereby grants Consent to:

M/s. Udayan Greenfield Developers Private Limited

(hereinafter referred to as "Applicant") for its unit located at: Franzios Road, IIP/IIIT, New Town,

P.O. : Rajarhat, P.S. : Bidhannagar (North), Dist. : 24 Pgm (II),

PIN - 700 153. (Detailed address of the manufacturing unit)

for a period from upto 30/06/2016 to operate the industrial unit and to discharge liquid effluents and to emit gaseous effluents from the premises of the industrial unit in accordance with the conditions as mentioned below provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in this consent letter and as specified in the Environmental Protection Act, 1986.

Branch of the industrial unit and/or failure to comply with the conditions as mentioned below shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserves the right to modify, withdraw or make any reasonable variation/ change / alter the conditions of this consent letter giving reasonable notice to the applicant.

Conditions

1. This Consent is valid for the manufacture of For IT & ITPS Complex Name "Ecospace" with

Sl. No.	Name of major product and by-product	Quantity produced (per month)	Sl. No.	Name of major product and by-product	Quantity produced (per month)
01			03		
02			04		

2. The Applicant shall observe the following discharge pattern:

Sl. No.	Type of Effluent	Quantity per day	Sl. No.	Type of Effluent	Quantity per day
01	I.P.S.D.	1400 Lt/hr	02	Other	00

3. The Applicant shall be treated as Orange/Green category of the Water (Prevention and Control of Pollution) Act, 1974 and shall comply with the provisions of said Act and Rules and regularly submit to the Board the returns of water consumption as specified under Section 3 of the said Act.

4. Daily water consumption for the following purposes should not exceed:

Industrial cooling, spraying in mines, etc. and boiler feed water (return water for generating should be included in this category of use)	Domestic purpose	Processing whereby water gets polluted and the pollution is not recoverable	Processing whereby water gets polluted and the pollution is not readily biodegradable
/	548 KL/D	/	/

5. Daily discharge of effluent shall not exceed:

No. of facility	Industrial Liquid Effluent	Domestic Liquid Effluent	Mixed Industrial & domestic liquid effluent
Quantity	KL	519 KL	KL
Place of discharge	Sewer Discharge		

6. The Applicant shall provide drainage system for conveying industrial & domestic liquid waste & separate drainage system for storm water and shall provide comprehensive treatment facility for industrial and domestic liquid waste (sewage, sludge & liquid effluent generated from contrary and separate and maintain the same to conform to the Standard for final effluent as given below:

Serial No.	Nature of Effluent	Parameters and standard in mg/l/cent						Frequency of Effluent sampling
		pH	BOD	COD	TSS	DAO		
1	Domestic	5.5	30	250	100	10	Yearly	
	I.P.O							

7. The Applicant shall provide comprehensive pollution control equipment and systems and maintain the same continuously to maintain the quality of the final gaseous emission in the discharge as given below:

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (source and control system, if any)	Volume (m ³ /hr)	Velocity of gaseous emission (meter)	Concentrations of parameters not to exceed		Frequency of sampling
					SPM (mg/Nm ³)	CO (ppm)	
S-1							
S-2	Plunge gas scrubber - I						
S-3	enclosed.						
S-4							

8. The Applicant shall maintain the generation and treatment / disposal of non-hazardous solid waste as specified below:

Type of waste	Quantity	Treatment	Disposal
Municipal Solid Waste	67.5 tons/month	-	By incineration

9. The Applicant shall take adequate measures for control of noise levels from its own sources within its premises to conform to:

Day Time (6 a.m. to 6 p.m.)	Limit in dB(A) L _{eq}	Night Time (6 p.m. to 6 a.m.)	Limit in dB (A) L _{eq}
10	65	55	

10. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions and shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.

11. The Applicant shall at all times maintain good house-keeping, proper working order, control pollution (including fugitive emissions) from all sources to maintain clean surroundings in & around factory premises and to surrounding areas / habitations.

12. The Applicant shall bring about at least 10% of the available open land under the green coverage / plantation.

13. The Applicant shall provide sufficient alternate electric power source to operate all pollution control facilities. In absence of such alternate power source, the production should be stopped / reduced / controlled to conform the conditions of the Consent.

14. All the stacks connected to various sources of emission must be painted/colored to designate by numbers such as S-1, S-2 etc. and shall have parts, ladder, platform etc. for monitoring including the air emission and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorized agencies.

15. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices and shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct meter to the satisfaction of the State Board.

16. The Applicant shall allow the Officers of the State Board to enter into the premises of the unit at any reasonable time to inspect the pollution control systems and shall provide adequate and safe facility for collection of air, wastewater and solid waste samples for monitoring and measuring by the State Board's staff as well as State Board's authorized agencies.

17. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to inspecting officers of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection.

18. The Applicant shall maintain to the State Board immediately if any occurrence or apprehension of occurrence of discharge of any pollutants in excess of quality and quantity as mentioned above to any receiving water body/pond or to atmosphere owing to accident or other unforeseen incidents/vent including natural disaster and the Applicant shall take adequate steps to prevent such accidental event.

19. The Applicant shall apply for renewal of consent to State Board in prescribed form 60 (sixty) days before expiry of this Consent.

20. The Applicant shall not make any alteration/modification/expansion in the existing manufacturing process and equipment, pollution control system and shall not bring into any ahead or new additional unit or stack or change the place of discharge, without prior approval of the Board.

21. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, Hazardous Waste Management & Handling Rules, 1989 and Public Liability Insurance Act, 1991.

Additional Condition: 22. All other conditions as mentioned in Memo of the State Board issued vide memo no. 489-20-548/2006(I) dated 24/07/2009 to be abided by strictly.

(Seal)

(Signature)
 (Moster Secretary) Mr. Dr. B. B. Ghose, Chief Engineer, W. B. Pollution Control Board

Annexure-I

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (source and control system, if any)	Concentrations of parameters not to		Frequency of sampling
			SPM (mg/Nm ³)	CO (% v/v)	
S-1	30.0 mt	625 KVA DG Set	150	1	Yearly
S-2	30.0 mt	625 KVA DG Set	150	1	-do-
S-3	30.0 mt	625 KVA DG Set	150	1	-do-
S-4	30.0 mt	625 KVA DG Set	150	1	-do-
S-5	34.0 mt	625 KVA DG Set	150	1	-do-
S-6	34.0 mt	625 KVA DG Set	150	1	-do-
S-7	40.0 mt	625 KVA DG Set	150	1	-do-
S-8	40.0 mt	625 KVA DG Set	150	1	-do-
S-9	7.5 mt	1010 KVA DG Set	150	1	-do-
S-10	7.5 mt	1010 KVA DG Set	150	1	-do-

(Signature)
 26.11.12

(Chandan Ghose)
 Chief Engineer
 W. B. Pollution Control Board

CHANDAN GHOSE
 Chief Engineer
 W. B. Pollution Control Board

Ambuja Realty Development Limited.

Consent to Operate after mutated to Ambuja Realty Development Limited

WEST BENGAL POLLUTION CONTROL BOARD
 'Paribesh Bhawan',
 Bldg. No. - 10A, Block - 1A, Sector-III,
 Salt Lake City, Kolkata - 706 098

C0090181

Consent Letter Number:
 Memo Number: 35.81.CO.4/16/2027 Date: 16.09.16

Consent to Operate
 under
 Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
 Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended, and Rules and Orders made thereunder, hereby grants its consent to:

M/s. Ambuja Realty Development Limited (formerly M/s. Udaya Greenfield Developments Pvt. Ltd.) (Address of Regd. office/Head Office/City Office)
 (hereinafter referred to as Applicant) for its unit located at Premises no. II/E/11, Action Area B, P. S. New Town, Kolkata - 700160
 (Detailed address of the manufacturing unit)

for a period from date of issue to 30/06/2021

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental Protection Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.

For and on behalf of the State Board
R. Saha, SE
 (Member Secretary/Chief Engr./Sr. Envr. Engr./Inv. Engr./Asst. Inv. Engr.)



RECENT FIRE NOC

Ambuja Realty Development Limited.

**GOVERNMENT OF WEST BENGAL
OFFICE OF THE DIRECTOR GENERAL
WEST BENGAL FIRE & EMERGENCY SERVICES
13-D Mirza Ghalib Street, Kolkata- 700 016**

Memo No : IND/WB/FES/20192020/52874

DATE: 03/06/2019

From :

The Director

Fire Prevention Wing,

West Bengal Fire & Emergency Services.

To :

AMBUJA REALTY DEVELOPMENT LIMITED**ECOSPACE, IIF/11, BLOCK-4B, NEWTOWN, KOLKATA-700160****Bidhan Nagar F.S., New Town,****North 24 Parganas - 700160 .**

Sub :Renewal of Fire Safety Certificate for the occupancy of G+VII storied (Block 3A), G+VI storied (Block 3B), G+IX storied (Block 4A), G+X I storied (Block 4B) and G+I storied Food Court having a common Basement under group Business Building at the premises No.- ECOSPACE, IIF/11, BLOCK-4B, New Town, Kolkata, North 24 Parganas - 700160

This is in reference to your Application No. IND/WB/FES/20192020/52874, dated 03/06/2019, regarding the Renewal of Fire Safety Certificate for the occupancy of G+VII storied (Block 3A), G+VI storied (Block 3B), G+IX storied (Block 4A), G+X I storied (Block 4B) and G+I storied Food Court having a common Basement under group Business Building at the premises No.- ECOSPACE, IIF/11, BLOCK-4B, New Town, Kolkata, North 24 Parganas - 700160.

The performance of the Fire Fighting System as incorporated in the buildings were tested at random and found satisfactorily working condition. In view of the above this office is releasing the Renewal of Fire Safety Certificate for occupancy of the aforesaid building.

However to up-keep the Fire Safety Measure of the aforesaid building the following safety measures need to be incorporated / maintained.

1. Driveway must be free of any type of obstruction for easy movement of Fire Appliances. No parking will be allowed on the Driveway.
 2. The Interior finish decoration of building shall be made with low flame spread material confirming to the I.S. Specification.
 3. To eliminate risk of Fire Hazards, Good House Keeping both for insides and outside of the building shall be strictly maintained.
 4. Existing Electrical wiring of the whole building shall have to be carefully checked for anywhere and tear in them, particularly lines above false ceiling & ducts.
 5. A Fire control room including a closed circuit T.V. system will have to be installed which observes all floors of the buildings.
 6. The notice of Fire Fighting and Evacuation from the building shall be prepared and displayed at all venerable places of the Building.
 7. The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
 8. Transformer and Switch Gear room shall be protected with automatic Co2 or D.C.P. Fire extinction confirming I.S. Specification.
 9. If required the old electrical line shall have to be replaced with new lines, the cables shall always be laid in M.S. conduit pipes continuously bonded to the earth.
 10. Mock Fire Practice and evacuation drill shall be performed periodically with participants of all the occupants of the building.
 11. A trained Fireman shall be maintained round the clock for safety of the building.
 12. First-Aid Fire Fighting system shall be provided as per I.S. Specification.
 13. Arrangement shall have to be made for regular checking, testing, and maintenance of all the Fire Fighting installation in the Building to keep them in perfectly good working condition at all the times.
 14. Periodical flashing of water in the Hydrants & Sprinkler Pipe line shall be made to maintain the efficient working performance of above mention system.
 15. The Fire Safety audit to be conducted at regular interval and to be recorded in the Fire Prevention maintenance registers.
 16. This Renewal of 'Fire Safety Certificate' is valid for three year and has to be renewed as per existing Govt. Rule from the date of issue of this Certificate.
 17. A certificate is to be obtained within stipulated period from the Director General, West Bengal Fire & Emergency Services regular performance of all the life & Fire Safety arrangements and installations of the building.
- Note :- This certificate is computer generated with digital signature and does not require any seal in original. The authenticity of this certificate can be verified at <https://eservices.wb.gov.in> (Third Party verification report)

Ambuja Realty Development Limited.

Director
West Bengal Fire & Emergency Services

Signature valid
Digitally signed by RATAN
KUMAR HALDER
Date: 2019.08.03 18:05:31 IST

Ambuja Realty Development Limited.

Operational Phase	
Water supply	
Conditions	Status of Implementation
i) Water requirement during operation phase shall be met from municipal supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.	WBHIDCO fulfilling water requirement.
ii) Use of water meter conforming to ISO standards should be installed at the inlet point of water uptake to monitor the daily water consumption. Use of water efficient devices / fixtures and appliances should be promoted. Installation of dual flushing system should be considered to conserve water.	ISO certified efficient water meter installed at in late point water uptake for monitoring the daily water consumption. STP treated water has been used for dual flushing unit for water conservation.
iii) The proponent must practice rainwater harvesting on regular basis.	Stored rain water has been used for car washing ,gardening etc.
Sewage Treatment Plant	
i) As per the proposal submitted by the proponent wastewater shall be treated in STP. Treated wastewater shall be mostly reused and partly discharged to municipal sewer line during rainy season only. Discharge of treated sewage should conform to E(P) Rules. Sewage Treatment Plants should be monitored on a regular basis.	The total amount of waste water treated in STP. It is a zero discharge unit. Treated water will be reused for plantation and internal road cleaning. Sewage Treatment Plant's water has been monitored at the regular basis by NABLE accredited and WBPCB recognized laboratory as per E (P) Rules. Latest monitoring reports (Inlet-Outlet) attached here with.
ii) Reuse of treated wastewater should be carried out as proposed.	-
Emission from Diesel Generator Set	
i) Noise barriers will be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. Diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself as per CPCB norms.	8 nos. DG sets each 625 KVA & 2 nos. of DG sets 1010 KVA with acoustic enclosures has already been installed for operational phase along with power supply from NTESE as per CPCB norms.
ii) The stack height and emissions from D.G. sets should conform to the norms of Central Pollution Control Board. The certification of space design for DG sets should be done by competent authority.	DG stack height has been constructed as per norms of Central Pollution Control Board. DG sets emission is confirming by the WBPCB recognized laboratory for air and noise emission standers.
Ensure Energy Efficiency	
i) Use of energy efficient construction materials to achieve the desired thermal comfort should be incorporated. The desired level of R and U factors must be achieved. U factor for the top roof should	Energy efficient construction materials had been used to achieve the desired thermal comfort. The design has been developed considering energy efficiency factor as per National Building Code 2005.

Ambuja Realty Development Limited.

not exceed 0.4 Watt/sq.m/degree centigrade with appropriate modifications of specifications and building technologies. The provisions of National Building Code 2005 should be strictly followed.	
ii) The lightning design and the heating, ventilation and air conditioning systems should conform to the recommendations of the Energy Conservation Building Code 2007 of the Bureau of Energy Efficiency, Gol.	The lightning design and the heating, ventilation and air conditioning systems are developed as per electrical DBR
iii) Use of energy efficient electrical systems should be promoted. High efficiency lamps with electronic ballasts should be used.	Use of energy efficient lighting systems e.g. CFL and LED etc. has been used. Street lightings are fitted with HPSV lamps.
iv) Energy efficient Motors and properly rated Transformers should be installed. Manufacturer's certificate to this effect shall be obtained and kept on record. Backup power supply should be based on cleaner fuel.	Cleaner fuel has been used for DG sets for backup power supply. Use of cleaner fuel (HSD) to minimize the energy consumption and excessive fuel usages for control the environmental pollution.
v) The power cabling shall be adequately sized as to maintain the distribution losses not to exceed 1% of the total power usage. Record of transmission losses shall be maintained. The proponent shall install permanent electrical metering to record demand (kVA), energy (kWh) and total power factor.	The power cabling has been adequately sized as to maintain the distribution losses not to exceed 1% of the total power usage.
vi) The project proponent should resort to solar energy at least for street lighting and water heating.	The solar energy system has been developed with wind mill as hybrid central power system which is used to run the server and other common facility. Total capacity is 1.5 KW /h
vii) Energy audits should be conducted on a regular basis.	Energy audits has been conducted on a regular basis.
Transport Management	
i) Use of public mode of transportation should be promoted. Use of the least polluting type of transportation should be promoted. Adequate parking space should be provided as per norms.	As per traffic planning and management both internal and external traffic have an adequate place for ensure uninterrupted traffic movement in the project area during operation. Adequate open car parking space covered car parking space at the basement and ground floor available as per norms.
ii) Pathways should be covered or shadowed by tree canopy. Transport system should be such that traffic will be calm in neighborhoods. Traffic in residential areas should be restricted by regulation. Adequate vertical and horizontal clearances of overhead electric power and telecommunication lines should be provided.	Pathways is covered or shadowed by tree canopy. Open car parking facility has been provided on grass pavers block only to reduce the landscape and heat island effect.
Solid Waste Management	
i) The proponent should abide by the Municipal Solid Wastes (Management and Handling) Rules, 2000. The proponent must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed of in consultation with WBHIDCO/ Notified Township Authority.	Solid Waste Management has been developed as per the Municipal Solid Wastes (Management and Handling) Rules, 2000. Solid Waste Management and Disposal Scheme has been developed ensuring the storage and segregation of biodegradable and non-biodegradable wastes. The solid waste has been disposed through WBHIDCO.
ii) The proponent should provide different colored bins for different	Wastes are collected in separate bins dedicated for bio degradable, non-bio degradable and recyclable

Ambuja Realty Development Limited.

<p>categories of waste and ensure complete segregation of biodegradable and non-biodegradable wastes. The solid waste from different collection and storage bins should be finally collected at transfer stations. Further segregation will be done at transfer stations to collect recyclables such as plastic, polythene, glass, metals, textiles, rubbers, leathers, paper etc. Separate compartments shall be provided for each type of recyclables.</p>	<p>materials. The yard is constructed room having different chambers for dumping the different category of solid waste.</p>
<p>iii) The proponent should abide by the Hazardous Wastes (Management, Handling) Rules, 2003. Collection and storage of hazardous wastes during Preconstruction and Post-construction activity should be planned properly. The expected hazardous wastes should be disposed of separately as per the Hazardous Wastes (Management and Handling) Rules, 2003.</p>	<p>Hazardous waste is not generated in the premises of ECOSPACE.</p>
<p>iv) Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed of as per the Hazardous Wastes (Management and Handling) Rules, 2003. Spent oil from DG Sets should be disposed of through registered recyclers only.</p>	<p>Spent oil of DG sets is being stored in HDPE drums in isolated cover facility. Quantity of generation very less and being generated only during service of DG. Spent oil are sold to authorized vendor</p>
<p>E-Waste Management</p>	
<p>i) Various types of electrical and electronic wastes generated in the building, which includes PC, Xerox machine components etc. should be collected separately for transportation to the authorized recyclers approved by the State / Central Pollution Control Boards. There should also be provision for storage of these wastes in the building before transportation. The E waste collected should be processed in authorized recycling unit.</p>	<p>Generated electrical and electronic wastes are being managed by Buy-back policy. Facility management of Ambuja Realty Development Limited managed it.</p>
<p>Others</p>	
<p>i) The implementation of Environmental Management Plan should be carried out, as proposed. Regular monitoring should be carried out during construction and operation phases.</p>	<p>Monitoring at site are done in regular intervals by a WBPCB recognized I and NABL accredited laboratory expert in the monsoon season.</p>
<p>ii) The project proponent should provide guidelines to the users to ensure conservation of energy and water. In-house environmental awareness campaigns should be carried out at regular intervals to ensure environmental protection.</p>	<p>A tenement guideline is being provided to each office owner. In this guideline usage of energy, facility of HAVC, fit-out regulation use of VOC restriction in paints, water conservation and description of plantation are clearly mentioned.</p>
<p>iii) Firefighting systems should be designed in compliance with the WBFS and NBC norms. Preventive measures should be adopted for Risk & Disaster Management as per the provisions of</p>	<p>The project has already accorded the fire clearance from West Bengal Fire Engineering Department. Required sprinkler system, hydrant, Co2 sensor, smoke alarm has been installed along with emergency escape route. Fire mock drill is being conducted by facility managements team in a regular interval.</p>

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the National Building Code 2005.	
iv) The proponent should implement Corporate Social Responsibility Plan with specific financial commitment for the proposed project.	The group has a separate Corporate Social Responsibility Department This department is responsible for implementing CSR programme at different area.
v) Environmental Management Information System shall be maintained properly.	Updated Environmental Management Information System is properly maintained.
General Conditions	
Conditions	Status of Implementation
i) The environmental safeguards contained in the EMP report should be implemented in letter and spirit.	EMP is implemented as specified in the report.
ii) All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	-----
iii) Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase.	Kerosene had been supplied to labourers during construction phase.
iv) All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.	Health checkup camp has been conducted by UGDL for construction workers. Necessary safety precaution is being taken during construction activity.
v) The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.	Financial budget attached to the report
vi) Six monthly monitoring reports should be submitted to the West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards and should be given full cooperation , facilities and documents / data by the project proponents during their inspection. A. complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.	Six monthly monitoring reports has been submitted to the West Bengal Pollution Control Board periodically. October 2017 – March 2018 periodic Six monthly monitoring report had been submitted with all necessary information to the West Bengal Pollution Control Board and forwarded to the State Level Environment Impact Assessment Authority.
vii) In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable.	Not Applicable
viii) In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.	No change has been occurred in the project. There is no deviation as sanctioned by HIDCO and the same submitted to the Department of Environment Govt. of West Bengal
ix) The State Environmental Impact Assessment Authority, West Bengal 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	Consent to Operate has been issued by WBPCB with vide memo no. - 842-SEE-CAMAC-WBPCB-1A-408/2012

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<p>Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.</p>	
<p>x) The Project Proponent should inform the public that the proposed project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the SEIAA, West Bengal (http://enviswb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.</p>	<p>Ecospace – ARDL already received Environmental clearance by the SEIAA, West Bengal .After receiving clearance Ecospace – ARDL published public notice at two local newspaper English and Bengali</p>
<p>xi) All other statutory clearances such as the approvals for storage of diesel room Chief Controller of Explosives, Civil Aviation Department (if required) etc. shall be obtained by project proponents from the competent authorities.</p>	<p>The project have all statutory clearance like</p> <ul style="list-style-type: none"> • Fire clearance from West Bengal Fire Engineering Department, Clearance from Civil Aviation Department. • Clearance form BSNL
<p>xii) Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustained Operation and Maintenance (O&M) of the common facilities (STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc.) even after transfer of ownership of the project, should be made in explicit and transparent manner.</p>	<p>The common facility like STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc. are on operational condition and in under maintenance ensuring by Operation and Maintenance department, which is illustrate in the Sale Agreement.</p>
<p>xiii) The project proponent should strictly abide by the conditions laid down in the Environmental Clearance for the proposed New Town Project at Rajarhat , Kolkata, accorded by the Department of Environment , Government of West Bengal to the Department of Housing , Government of West Bengal vide Memo No EN/1998/4W-8/99 dated 10th November, 1999 and Memo no EN/P/90/4W-8/99 (Pt.II) dated 30th January , 2003</p>	<p>Ecospace – ARDL fulfill all statutory compliance and maintain monthly basis which is illustrate in the NOC by West Bengal Pollution Control Board</p>
<p>xiv) The project proponent should also abide by the NOC conditions accorded by the West Bengal Pollution Control Board to the Department of Housing, Government of West Bengal for the proposed New Town Project at Rajarhat, Kolkata, vide Sl. No. 04462 Memo No. 1295-175/WPB-NOC/99-2000 dated 31st August, 1999 and Sl. No. NO10868 Memo No. 7041-175/wpb/NOC/99-2000 dated 9th June, 2004.</p>	<p>Ecospace – ARDL fulfill all statutory compliance and maintain monthly basis which is illustrate in the NOC by West Bengal Pollution Control Board.</p>
<p>xv) Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB by the proponent. All other statutory clearances should be obtained by project proponent from the</p>	<p>Ecospace – ARDL have all statutory clearance like Environmental clearance by the SEIAA, West Bengal, Fire clearance from West Bengal Fire Engineering Department, clearance from Civil Aviation Department, DOE approvals etc along with Consent-to-Establish (NOC) obtained from WBPCB.</p>

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competent authorities.	
xvi) The above stipulation would be enforced with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution), Act, 1981, the Environment (Protection) Act, 1986 , the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008, the Public Liability Insurance Act , 1991, the Environment Impact Assessment Notification 2006 and their amendments	-----

Construction Phase

Specific Conditions

Facility of labours during construction

Provision of drinking water, waste water disposal and solid waste management should be ensured for labour camps.

There was provision of drinking water available at labour camp during construction. Waste water disposal and solid waste management had been developed for labour camps during construction. The separate septic tank had been developed for workers. Drinking water quality has been tested periodically by NABL accredited laboratory as per IS 10500 code for the workers camp and also being carried over during Operational phase The Generated Solid wastes from labours disposed through WBHIDCO.

Water usage during construction should be optimized to avoid any wastage.

All labour and supervisors had a keen attention to avoid wastage of water.

Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. Sewage generated from the areas occupied by the construction labourers have to be directed into the existing sewage drain of the area. In case of non availability of the sewer system, an onsite treatment system has to be provided.

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Proper sanitation facility had been provided. Separate septic tank had been provided at construction site. Solid wastes generated from labour camp were disposed through WBHIDCO Municipality. Presently there is no labor camp as the project has reached at the final stage of completion.

Health and safety of the workers should be ensured during construction. Personnel protective equipment like helmets, earmuffs, earplugs etc. should be provided to the workers .For vibration control damped tools must be used and the number of hours that a worker uses them must be limited.

Safety committee has been formed at site. Personnel protective equipment like helmets, earmuffs, earplugs etc has been used properly by workers during construction phase. Regular supervision for safety had been carried out. Medical checkup of labours are being conducted in regular intervals.

Adequate erosion and sediment control measures to be adopted before ensuing construction activities.



Adequate erosion and sediment control measures during construction activities has been taken care off. Sedimentation pit are developed to control the runoff.

Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and disposed off taking the necessary precautions for general safety and health aspects.

The excavated material including muck has been properly handled and disposed off with necessary precautions for general safety and health aspects.

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Diesel generator sets during construction phase should have acoustic enclosures and should conform to E(P) Rules prescribed for air and noise emission standards.

Diesel generator set with acoustic enclosures has been installed at construction site as per E (P) Rules along with construction power supply from NTESE. It has been monitored by NABL accredited and WBPCB recognized laboratory periodically.

Vehicles / equipment deployed during construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during nonpeak hours.

Condition of Vehicles and construction equipments are regularly checked. Pollution certificate of vehicle is being checked at the entry point of the project site.

Ambient noise levels should conform to residential standards both during day and night. Only limited necessary construction should be done during nighttime. Fortnightly monitoring of ambient air quality (SPM, SO₂ and NO_x) and equivalent noise levels should be ensured during construction phase.

Ambient air levels had been checked as per residential standards both during day and night by the NABL accredited and WBPCB recognized laboratory in regular intervals. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. It has been maintained during operational phase also. Ambient air quality monitoring was conducted in respect of the following parameters:

- 1) Particulate Matter 2.5 (PM_{2.5})
- 2) Particulate Matter 10 (PM₁₀)
- 3) Sulphur Dioxide (SO₂)
- 4) Oxides of Nitrogen (NO_x)

The duration of sampling of PM_{2.5}, PM₁₀, SO₂ and NO_x was 24 hourly continuous sampling per day. The monitoring was conducted for one day at each location. This is to allow a comparison with the National Ambient Air Quality Standards. The air samples were analyzed as per standard methods specified by Central Pollution Control

Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring with in minimum detectable levels. Fine Particulate Sampler APM 550 instruments have been used for monitoring Particulate Matter 2.5 (PM_{2.5} i.e. <2.5 microns), and Respirable Dust Sampler APM 450 was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO₂, and NO_x.

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site & project boundary due to various construction allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area.

Noise levels were measured using integrated sound level meter manufactured by Quest Technologies. The integrating sound level meter is an integrating/ logging type with

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Octaves filter attachment with frequency range of 31.5 to 16000 Hz. This instrument is capable of measuring the Sound Pressure Level (SPL), Leq and octave band frequency analysis. Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 0030 hrs to 0030 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Lday (Ld), Lnight (Ln) and Ldn values were computed using corresponding hourly Leq. Monitoring was carried out at 'A' response and fast mode. Ambient air quality and noise levels monitoring reports of operational phase attached herewith.

Construction spoils including bituminous material and other hazardous materials including oil from construction equipments must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water. If necessary, oil trap should be installed where there is deployment of heavy machineries.

Construction materials has been used with special care to avoid leaching oil from equipment to the ground water and the dumpsites for such material must be secured so that it has not leached into the ground water. Secondary containments has been provided to check the contamination.

Regular supervision of the above and other measures should be in place all through the construction phase so as to avoid disturbance to the surroundings.

Regular supervision had been done during construction phase.

Mechanism of piles: No driven piles shall be proposed for this project.

Bore piles had been done at the site during pilling stage pf construction.

15m-screen and adequate sprinkler arrangement shall be provided. Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to winds.



Building warping by geo textile fabric

The building was warped with geo-textile fabric. The adequate sprinkler arrangement had been implemented during construction phase. The storage materials had been covered properly to avoid to expose to wind for maintaining quality of materials.

Loading and unloading operations should not be carried out in open areas.

Loading and unloading operations has not carried out in open areas.

Use of Ready-Mix concrete is recommended for this project.

Ready mix concrete had been used in whole project. Construction phase of the project is over

Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.

During Construction water has been reused where ever possible. Water used for cleaning is stored and reused at different purpose of construction.

Adequate mitigative measures should be adopted to control dust emissions, noise and vibrations from construction activities.

Vehicles and construction machineries should be properly maintained. Vehicles should conform to Pollution under control (PUC) norms.

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Adequate mitigative measures to control dust emissions, noise and vibrations from construction activities has been taken. Erosion and sediment control measures adopted and implemented at the time of construction of the project site. Vehicles and construction machineries has been with special taken care off.

Locally available materials with less transportation cost should be used preferably.

Local materials has been used for minimization transportation cost for the project site and side by side the automobile emission and depletion of natural resources.

Promotion of use of cleaner fuel and fuel quality improvement should be done. Excessive energy consumption and fuel usage should be avoided.

Use of cleaner fuel (HSD) to minimize the energy consumption and excessive fuel usages for control the environmental pollution.

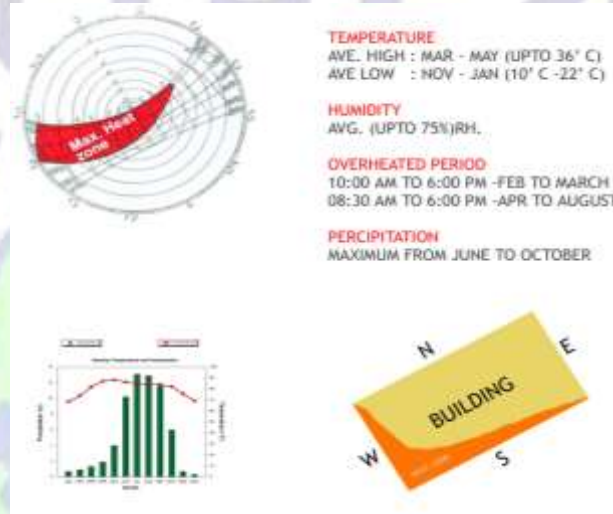
Accumulation / stagnation of water should be avoided to ensure vector control.

Special care has been observed. Spraying has been done weekly basis for pest control

Use of energy efficient construction materials should be ensured to achieve the desired thermal Comfort.

Energy efficient lighting system has been used during construction phase. An energy efficient construction material has been used for achieving the desired thermal comfort. The design has been developed considering energy efficiency factor. The project is already certified as Green building. Energy conservation method has already been adopted. High (COP 6.2) chiller LED lighting, Solar panel and wind has been installed. The project is LEED Certified building under U.S.G.B.C.

Design layout should ensure adequate solar access and ventilation. Proper planning and window design for daylight integration should be considered.



Design layout developed in such a way that natural ventilation and natural day light entered in the building. The building orientation it self create shading effect to reduce the heat load.

Use of ash based bricks should be explored to the maximum extent possible. Blended cement with fly ash will be used .The provisions of MoEF notification on “Fly Ash Utilization” must be compiled with.

Blended cement with fly ash and fly ash bricks has been used as per MoEF notification. Fly Ash bricks has been used in landscaping work. Only PPC cement has been used which is blended with 25% of fly ash (max). ACC block has been used for brick wall.

Construction should conform to the requirements of local seismic regulations. The project proponent should obtain permission for the plans and designs including structural design, standard and specifications from concerned authority.

Structural design has been developed by the authorized structural designer for confirming and fulfillment of local seismic regulations.

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Construction technologies that require less material and possess high strength should be adopted. Materials with low embodied energy and high strength should be used preferably.

An energy efficient construction material has been used for achieving the desired thermal comfort. The design has been developed considering energy efficiency factor.

Use of alternate building materials and alternate construction techniques should be considered apart from the conventional materials and methods. Use of hollow unit masonry should be considered.

The project has already been pre certified as Green building. Energy conservation method adopted. High (COP 5.6) chiller LED lighting, Solar panel and wind mill has been installed. Energy modeling carried out to finalize the electrical equipments.

Use of energy efficient lighting systems e.g. High Pressure Sodium Vapour (HPSV) Lamps, LED etc. should be promoted. Solar energy should be used for outdoor lighting as far as practicable.

Energy efficient lighting systems e.g.CFL, LED etc. has been used . Street lightings are fitted with HPSV lamps.

Passive solar cooling to be incorporated in building design. Buildings should be oriented for ensuring natural ventilation and day lighting.

Passive solar cooling has been incorporated in building design for ensuring natural ventilation and day lighting. Double glazing has been provided to reduce solar heat gain.

Proper insulation of roof should be provided to achieve desired thermal comfort. Use of light colored, reflective roofs having an SRI (solar reflectance index) of 50% or more should be incorporated.

Proper insulation of roof has been implemented to achieve desired thermal comfort. As over dace insulation High albedo pain ahs been applied. On some roof area roof garden has been provided.

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Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.



High Albedo paint with 78 SRI has been applied on the roof top. Roof top garden has also introduced to reduce heat island effect and HVAC load.

Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.

A tenement guideline has been developed. That gives as a user manual to obey the rules and regulation of this building.

Reduce hard paving-onsite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.

Using of grass paper block instead of hard paving-onsite (open area surrounding building premises) to minimize heat island effect and imperviousness of the site.

Adequate open space, greenery and water bodies to be provided as per rules.

Adequate open space, 20 % greenery and a water body has been developed as per rules.

Any proposed building with air-conditioning facility should follow the norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency. Chillers should be CFC & HCFC free.

Air-conditioning system has been installed as per norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency. The chillers with CFC & HCFC free. R134 A refrigerant has been used . COP of the chiller is 6.2.

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Restrict the use of glazed surface as per National Building Code 2005.

Double glazing provided to reduce solar heat gain. Glazed area has not crossed 40% of the façade area of the building.

No water body should be lined and no embankments should not be cemented. The water bodies are to be kept in natural conditions without disturbing the ecological habitat. The water bodies within the project area shall be maintained in conformity with the conditions stipulated in the Environmental Clearance and the NOC accorded to the Department of Housing , Government of West Bengal for the proposed New Town project at Rajarhat

Artificial water body has been developed to reduce heat island effect and used as a rainwater harvesting pond.

The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007. The proponent should undertake plantation of trees over atleast 20% of the total area.

Plantation programme has been developed at least 20% of the total area as per Environmental Clearance.

The proponent should plant at least 570 trees. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

More than 570 trees has been planted of different species for landscaping. The landscape planning includes plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species has not been used for landscaping.

Water requirement during construction phase shall be met from WBHIDCO/ Notified Township Authority supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.

Water requirement has been met from WBHIDCO during construction phase.

As per the proposal submitted by the proponent wastewater shall be treated in STP. Treated waste water shall be reused and partly discharged to WBHIDCO / Notified Township Authority sewer line.

As per proposal waste water treated at STP for reuse as per requirement. It is a zero discharge unit

Total paved area of site under parking, roads, paths or any other use should not exceed 25% of the site area.

Total paved area of site under parking, roads, paths or any other use has not exceed 25% of the site area.

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Minimum 50% of paved area on site should have pervious paving or shaded under vegetation or topped with finish having solar reflectance of 0.5 or higher.

50% of paved area on site has been developed as pervious paving on grass pavers blocks and rest of the part are shaded under vegetation.

Adequate storm water drainage network to be designed for the project without disturbing the surrounding settlements. Storm water management plan should be implemented so as to prevent sudden discharge of excessive volumes of storm water to the receiving waters thus reducing the shock load on the municipal drainage system and impact on receiving water body.

Adequate storm water drainage network has been developed as per design of project without disturbing the surrounding settlements. Storm water management plan has already been implemented. Collecting pit has been used for controlling surface runoff, specifically during monsoon.

Disruption to the natural hydrology of the site should be minimized by reducing impervious cover, increasing on site infiltration and managing storm water runoff.

Rain water collection pit, storm water collection pit, natural landscaping etc will be minimize and manage storm water runoff and increasing infiltration. Collecting pit has been used for controlling surface runoff, specifically during monsoon. As runoff coefficient is not changed much due to usage of grass papered block and landscaping. Roof top collection goes to the Rainwater collection chamber.

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Heat island effect should be minimized by use of shading or reflective surfaces, mainly the surfaces that contribute to the heat island effect i.e. streets, sidewalks, parking lots and buildings.



Plantation programme has been done at roof top to reduce heat inland effect. Albedo paint with high SRI applied on the roof. Plantation programme has been done to enhance the shading coefficient on path way and on internal road.

The proponent must follow the Rainwater Harvesting Guidelines of the State Expert Appraisal Committee (SEAC) available in the website (<http://www.wbpcb.gov.in>).

Rain water has been collected from duct at the roof top and stored in rain water harvesting tank. Pond also been used as a rain water storage Rainwater harvesting scheme has been proposed as per the SEAC guide line. Rainwater from roof-top has been collected in the rain water harvesting tanks.

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The proponent must collect rainwater from roof-top catchments and reuse for various purposes after necessary cleaning. Water bodies should be created and used for storing rain water. Adequate retention time and storage provisions should be provided for harvesting rainwater.

Rainwater harvesting scheme has been proposed as per the SEAC guide line. Roof-top rainwater will be collected in the rain water harvesting tanks. The artificial water body has also been created and used for storing rain water.

The sub-surface recharge proposal including the design of recharge structure and location of recharge structure should be approved by competent authority as per West Bengal Ground Water resources (Management, control and Regulation) Act, 2005. The total quantity of the rainwater which would be harvested, including surface storage and sub-surface recharge, should also be mentioned in the proposal.

Collected rainwater are being treated in tertiary filter and being recharged. An artificial water body has also been used as ground water recharge pit for surface storage and sub-surface recharge as per West Bengal Ground Water resources (Management, control and Regulation) Act, 2005.

Adequate water storage for firefighting storage should be provided as per norms.

Adequate water storage for firefighting has already been developed. Fire clearance as already been received from fire department.

Adequate provision shall be made for storage of solid waste and adequate means of access shall be provided. Space should be kept reserved for waste storage, collection etc. in site planning and architectural designs.

Adequate provision for storage of solid waste has been available. Reserved space for waste storage, collection etc. as per site planning and architectural designs has already been constructed. Solid waste disposed through WBHIDCO.

Both internal and external traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.

As per traffic planning and management both internal and external traffic have an adequate place for ensure uninterrupted traffic movement at the time of construction and well as maintaining in operation phase also.

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The design of service road and the entry and exit from the project area should conform to the norms & standards of competent authority for traffic management. Bell mouth type arrangement should be made at the entry & exit. Proper traffic management plan should be adopted in consultation with Traffic authorities.

Entry and exit has been located properly constructed as per norms & standards of competent authority for traffic management.

All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.

Approvals from Director of Explosives, Fire Department available

Provision of Effective Controls and Building Management Systems such as Automatic Fire Alarm and Fire Detection and Suppression System etc. must be ensured.

The building is being controlled by BMS. Automatic Fire Alarm and Fire Detection and Suppression System has been installed. All mandatory system like Automatic Fire Alarm and Fire Detection and Suppression System etc has been installed for firefighting as per approvals and permission as required from Director of Explosives, Fire Department etc.

Automatic lighting control, occupancy sensors, heat exchanger, high efficiency chillers etc. should be provided for energy conservation wherever applicable.

All lighting fitting and fixture (inside the building) is LED fitted with automated system.

Efficient management of indoor air quality must be ensured for health and safety of the users.

Efficient indoor air quality will be implemented as per construction schedule for health and safety of the users.

Adequate measures to be adopted for water conservation during construction and operation stage. Use of efficient irrigation equipment, evaporative cooling unit in air-conditioning system etc. should be considered.

The dual flushing system has been implemented.

Rest room facilities should be provided for service population.

Restroom for drivers and other service personnel have been allotted at the ground floor of each building.

Provisions should be kept for the integration of solar water heating system.

Available

Adequate access to fire tenders should be provided.

The internal road has been constructed as per the recommendation of Fire department. 7.5 meter wide road has been provided along with fire refuge.

CO monitoring facility with automatic alarm should be provided at basement car parking.

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Co monitoring and alarm system has been installed.

Construction Phase is over. The project has obtained Consent to operate vide C.TO No. CO090181 from WBPCB vide memo no. - 35-sl-CO-r/16/027 (Renewed till 30.06.2021)

Operational Phase

Water requirement during operation phase shall be met from municipal supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.

WBHIDCO fulfilling water requirement of the building. HIDCO supply is restored.

Use of water meter conforming to ISO standards should be installed at the inlet point of water uptake to monitor the daily water consumption. Use of water efficient devices / fixtures and appliances should be promoted. Installation of dual flushing system should be considered to conserve water.



ISO certified efficient water meter installed at inlet point water uptake for monitoring the daily water consumption. STP treated water has been used for dual flushing unit for water conservation.

The proponent must practice rainwater harvesting on regular basis.

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Stored rain water has been used for car washing, gardening etc.

As per the proposal submitted by the proponent wastewater shall be treated in STP. Treated wastewater shall be mostly reused and partly discharged to municipal sewer line during rainy season only. Discharge of treated sewage should conform to E(P) Rules. Sewage Treatment Plants should be monitored on a regular basis.



The total amount of waste water treated in STP. It is a zero discharge unit. Treated water will be reused for plantation and internal road cleaning. Sewage Treatment Plant's water has been monitored at the regular basis by NABLE accredited and WBPCB recognized laboratory as per E (P) Rules.

Reuse of treated wastewater should be carried out as proposed.

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Treated effluent is being used in cooling tower, gardening, road cleaning etc.

Noise barriers will be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. Diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself as per CPCB norms.

8 nos. DG sets each 625 KVA & 2 nos. of DG sets 1010 KVA Diesel generator sets with acoustic enclosures has already been installed for operational phase along with power supply from NTESE as per CPCB norms.

The stack height and emissions from D.G. sets should conform to the norms of Central Pollution Control Board. The certification of space design for DG sets should be done by competent authority.

DG stack height has been constructed as per norms of Central Pollution Control Board. DG sets are confirming by the WBPCB recognized laboratory for air and noise emission standers.

All DG sets are having inbuilt acoustic enclosure as per CPCB norms. DGs are in running condition. Stack gas has been monitored periodically by NABL accredited and WBPCB recognized laboratory as per E (P) Rules prescribed for air and noise emission standards along with construction power supply from NTESE.

The source emission monitoring have minimum requirement of a stack monitoring equipment. There are some mandatory specification as per CPCB norms . The parameters are : Flue Gas Temperature (OC) , Barometric Pressure (mm of Hg.), Velocity of Gas flow (m/s), Quantity of Gas flow (Nms/hr.), Concentration ofSO₂ (mg/Nm³), Concentration ofCO₂ %(V/V), Concentration of CO %(V/V), Concentration of Particulate Matter(mg/Nm³)

Monitoring has been done by Condenser method. The condenser method, in principle, involves extracting a sample of the stack gases through a filter for removal of the particulate matter, then through a condenser, accumulating the condensate formed in process, and finally through a gas meter. The object of the test is to collect and measure the volume of all the condensate formed at the condensing temperature from a measured amount of gas.

Except in unusual circumstances, the water vapour is uniformly dispersed in the gas stream and therefore sampling for moisture determination need not be is kinetic and is not sensitive to position in the duct. The sampling nozzles may be positioned down –stream to minimize the buildup of pressure drop across the thimble due to particulates catch. Sample the gas at a rate of about 500 ml/ sec. run the test until enough condensate has been collected to enable an accurate measurement. Measure the temperature and pressure of condenser close to the meter, as an insignificant pressure loss in the line between them is expected. The meter pressure may be substituted for condensate pressure also in order to calculate the moisture content. Measure the volume of condensate collected in a graduated measuring cylinder.

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Use of energy efficient construction materials to achieve the desired thermal comfort should be incorporated. The desired level of R and U factors must be achieved. U factor for the top roof should not exceed 0.4 Watt/sq.m/degree centigrade with appropriate modifications of specifications and building technologies. The provisions of National Building Code 2005 should be strictly followed.

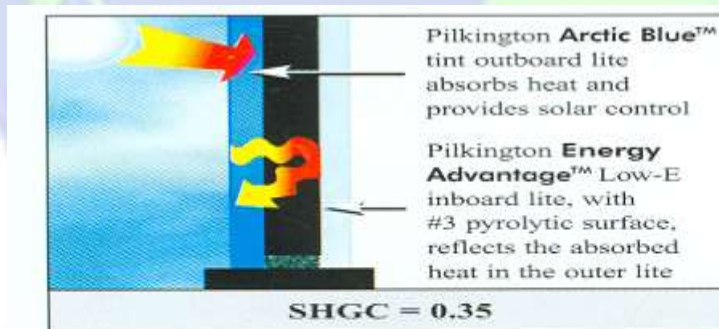
Envelope design - Curtain wall / window

Following performance mandates shall be considered to choose the right glass for a successful envelope design:

- Thermal performance
- Acoustical Performance
- Visual Performance

Thermal performance

There are two parameters namely '**U-value**' or air to air heat transmittance and **SC**- Shading Coefficient determine the power consumption factor in terms of designed air quantity (CFM) and Cooling load(TR) respectively. Reduced U-value provides good thermal control and lesser SC provides better solar control as by resisting direct radiation. Use of Double glazing with tinted & reflective coated glass on # 2 surface would provide a superior performance with respect to heat insulation . glass.



Combining the solar control properties of a tinted or reflective outboard lite (such as the Pilkington Arctic Blue™ High-Performance Tint shown here) with the thermal control properties of Pilkington Energy Advantage™ Low-E gives you an almost limitless range of aesthetic and performance possibilities.

The selection of high performance glass become imperative for the southeast and southwest to reduce the energy load. It is recommended to use a SC value of between SC= 0.1 to 0.4 & a U- value of U = 1.7 to 3 W/m2 0 K.. Energy efficient construction materials are using to achieve the desired thermal comfort. The design has been developed considering energy efficiency factor as per National Building Code 2005.

The lightning design and the heating, ventilation and air conditioning systems should conform to the recommendations of the Energy Conservation Building Code 2007 of the Bureau of Energy Efficiency, GoI.



NATURAL DAY LIGHTNING

The lightning design and the heating, ventilation and air conditioning systems are developed as per electrical DBR

Use of energy efficient electrical systems should be promoted. High efficiency lamps with electronic ballasts should be used



COMMON SAPCE WITH LED LIGHTNING SYSTEM

Use of energy efficient lighting systems e.g. CFL, LED etc. have been used is common place.

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The project maintain the energy conservation using LED throughout the project. Any up lighter has not been used to protect light pollution.

Energy efficient Motors and properly rated Transformers should be installed. Manufacturer's certificate to this effect shall be obtained and kept on record. Backup power supply should be based on cleaner fuel.

Cleaner fuel has been used for DG sets for backup power supply. Use of cleaner fuel (HSD) to minimize the energy consumption and excessive fuel usages for control the environmental pollution.

The power cabling shall be adequately sized as to maintain the distribution losses not to exceed 1% of the total power usage. Record of transmission losses shall be maintained. The proponent shall install permanent electrical metering to record demand (kVA), energy (kWh) and total power factor.

Power cabling has been done utilizing the shortest way to loss of energy.

The project proponent should resort to solar energy at least for street lighting and water heating.



The solar panel has been installed for energy conservation along with wind mill. The hybrid system is generating 1.5 Kw energy which runs the BMS and server.

Energy audits should be conducted on a regular basis.

Energy audit has been conducted on a regular basis.

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Use of public mode of transportation should be promoted. Use of the least polluting type of transportation should be promoted. Adequate parking space should be provided as per norms.



POOL CAR FACILITY FOR WHOLE ECOSPACE CAMPUS



AVAILABILITY OF PUBLIC TRANSPORT JUST OUTSIDE THE CAMPUS



INTERNAL AND EXTERNAL TRAFFIC MANAGEMENT



As per traffic planning and management both internal and external traffic have an adequate place for ensure uninterrupted traffic movement in the project area during operation. Adequate open car parking space covered car parking space at the basement and ground floor available as per norms.

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Pathways should be covered or shadowed by tree canopy. Transport system should be such that traffic will be calm in neighborhoods. Traffic in residential areas should be restricted by regulation. Adequate vertical and horizontal clearances of overhead electric power and telecommunication lines should be provided.

**PATHWAY COVERED WITH TREE CANOPY**

Pathways is covered or shadowed by tree canopy. Open car parking facility has been provided on grass pavers block only to reduce the heat island effect. It also enhance the pervious ness of the land.

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The proponent should abide by the Municipal Solid Wastes (Management and Handling) Rules, 2000. The proponent must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed of in consultation with WBHIDCO/ Notified Township Authority.



Solid waste are segregated at each floor level. Waste are collected in separate bins dedicated from bio degradable, non-bio degradable and recyclable materials. Separated wastes are stored temporarily at solid waste yard. Solid waste are disposed off through WBHIDCO municipal collection system.

The proponent should provide different colored bins for different categories of waste and ensure complete segregation of biodegradable and non-biodegradable wastes. The solid waste from different collection and storage bins should be finally collected at transfer stations. Further segregation will be done at transfer stations to collect recyclables such as plastic, polythene, glass, metals, textiles, rubbers, leathers, paper etc. Separate compartments shall be provided for each type of recyclables.

Wastes are collected in separate bins dedicated from bio degradable, non-bio degradable and recyclable materials. Bins are portable and fitted with wheels to move to the collection yard. The yard is constructed room having different chambers for dumping the different category of solid waste.

The proponent should abide by the Hazardous Wastes (Management, Handling) Rules, 2003. Collection and storage of hazardous wastes during Preconstruction and Post-construction activity should be planned properly. The expected hazardous wastes should be disposed of separately as per the Hazardous Wastes (Management and Handling) Rules, 2003.

Hazardous waste is not generated in the premises of ECOSPACE.

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Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed of as per the Hazardous Wastes (Management and Handling) Rules, 2003. Spent oil from DG Sets should be disposed of through registered recyclers only.

Spent oil of DG sets is being stored in HDPE drums in isolated cover facility. Quantity of generation very less and being generated only during service of DG. Spent oil are sold to authorized vendor

Various types of electrical and electronic wastes generated in the building, which includes PC, Xerox machine components etc. should be collected separately for transportation to the authorized recyclers approved by the State / Central Pollution Control Boards. There should also be provision for storage of these wastes in the building before transportation. The E waste collected should be processed in authorized recycling unit.

Generated electrical and electronic wastes are being managed by Buy-back policy. Facility management of Udayan Green field Developers Limited manages it. All units are agreed to maintain the buy back policy of E waste as per the tenant agreement.

The implementation of Environmental Management Plan should be carried out, as proposed. Regular monitoring should be carried out during construction and operation phases.

Monitoring at site are done in regular intervals by a WBPCB recognized I and NABL accredited laboratory expect in the monsoon season.

The project proponent should provide guidelines to the users to ensure conservation of energy and water. In-house environmental awareness campaigns should be carried out at regular intervals to ensure environmental protection.



SAVINGS OF NATURAL RESOURCE

A tenement guideline has been provided to each office owner. In this guideline usage of energy, facility of HAVC, fit-out regulation use of VOC restriction in paints, water conservation and description of plantation are clearly mentioned

Firefighting systems should be designed in compliance with the WBFS and NBC norms. Preventive measures should be adopted for Risk & Disaster Management as per the provisions of the National Building Code 2005.



FIRE FIGHTING SYSTEM



FIRE MOCK DRILL CONDUCTED BY FACILITY MANagements TEAM

The project has already accorded the fire clearance from West Bengal Fire Engineering Department. Required sprinkler system, hydrant, Co2 sensor, smoke alarm has been installed along with emergency escape route. Fire mock drill is being conducted by facility managements team in a regular interval.

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The proponent should implement Corporate Social Responsibility Plan with specific financial commitment for the proposed project.

The group has a separate Corporate Social Responsibility Department This department is responsible for implementing CSR programme at different area. Presently two schools are being run by this department at Rajarhat area. A road side plantation programme has also been taken at this area.

Environmental Management Information System shall be maintained properly.

Updated Environmental Management Information System is properly maintained.

General Conditions

The environmental safeguards contained in the EMP report should be implemented in letter and spirit.

EMP is implemented as specified in the report.

All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.

Facility team is maintaining all EMP . In due course the liability will be transferred.

Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase.

Kerosene had been supplied to labourers during construction phase.

All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.

Health checkup camp has been conducted by ECOSPACE-ARDL for construction workers. Necessary safety precaution is being taken during construction activity.

The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.

Financial budget attached to the report

Six monthly monitoring reports should be submitted to the West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards and should be given full cooperation , facilities and documents / data by the

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project proponents during their inspection. A. complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.

Six monthly monitoring reports has been submitted to the West Bengal Pollution Control Board periodically. April 2018 to September 2018 periodic Six monthly monitoring report had been submitted with all necessary information to the West Bengal Pollution Control Board and forwarded to the State Level Environment Impact Assessment Authority.

In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable.

Not Applicable

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

No change has been occurred in the project. There is no deviation as sanctioned by HIDCO and the same submitted to the Department of Environment Govt. of West Bengal

The State Environmental Impact Assessment Authority, West Bengal 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.

Consent to Operate has been issued by WBPCB with vide memo no. - 35-sl-CO-r/16/027 (Renewed till 30.06.2021)

The Project Proponent should inform the public that the proposed project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the SEIAA, West Bengal (<http://enviswb.gov.in>). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.

ECOSPACE-ARDL already received Environmental clearance by the SEIAA, West Bengal .After receiving clearance ECOSPACE-ARDL published public notice at two local newspaper English and Bengali

All other statutory clearances such as the approvals for storage of diesel room Chief Controller of Explosives, Civil Aviation Department (if required) etc. shall be obtained by project proponents from the competent authorities.

The project have all statutory clearance like

- Fire clearance from West Bengal Fire Engineering Department, Clearance from Civil Aviation Department.

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- Clearance form BSNL
- Clearance form Airport authority

Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustained Operation and Maintenance (O&M) of the common facilities(STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc.) even after transfer of ownership of the project, should be made in explicit and transparent manner.

The common facility like STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc. are on operational condition and in under maintenance ensuring by Operation and Maintenance department, which is illustrate in the Sale Agreement.

The project proponent should strictly abide by the conditions laid down in the Environmental Clearance for the proposed New Town Project at Rajarhat , Kolkata, accorded by the Department of Environment , Government of West Bengal to the Department of Housing , Government of West Bengal vide Memo No EN/1998/4W-8/99 dated 10th November, 1999 and Memo no EN/P/90/4W-8/99 (Pt.II) dated 30th January , 2003

ECOSPACE-ARDL fulfill all statutory compliance and maintain monthly basis which is illustrate in the NOC by West Bengal Pollution Control Board

The project proponent should also abide by the NOC conditions accorded by the West Bengal Pollution Control Board to the Department of Housing, Government of West Bengal for the proposed New Town Project at Rajarhat, Kolkata, vide Sl. No. 04462 Memo No. 1295-175/WPB-NOC/99-2000 dated 31st August, 1999 and Sl. No. NO10868 Memo No. 7041-175/wpb/NOC/99-2000 dated 9th June, 2004.

ECOSPACE-ARDL fulfills all statutory compliance and maintain monthly basis which is illustrate in the NOC by West Bengal Pollution Control Board.

Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB by the proponent. All other statutory clearances should be obtained by project proponent from the competent authorities.

ECOSPACE-ARDL have all statutory clearance like Environmental clearance by the SEIAA, West Bengal, Fire clearance from West Bengal Fire Engineering Department, clearance from Civil Aviation Department, DOE approvals etc along with Consent-to-Establish (NOC) obtained from WBPCB.

The above stipulation would be enforced with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution), Act, 1981, the Environment (Protection) Act, 1986 , the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008, the Public Liability Insurance Act , 1991, the Environment Impact Assessment Notification 2006 and their amendments