Six monthly compliance Report of ECOCENTRE Project for the period
APRIL 2010 TO SEPTEMBER 2020
"Registered office"
"Ecospace Business Park" Block -4B, Action Area – II, New Town, Kolkata – 700156, West Bengal

"Project Site "
ECOCENTRE

Ref : AP/ ECOCENTRE/ 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 2019 to September 2020 of "ECOCENTRE" at Plot No-4, Block –EM, Sector-V, Salt Lake , Kolkata -700091

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

The monitoring report has been prepared against the conditioned mentioned in the Environmental clearance vide Ref No. EN/2852/T-II-1/002/2009 dt. 06.10.2010 and Ref EC NO.2276/EN/T-II-1/050/2013 dt.17.10.2016 for the period of April 2020 to September 2020.

We have furnished here with the compliance report based on the stipulation mentioned in the above mentioned EC vide Ref No. EN/2852/T-II-1/002/2009 dt. 06.10.2010 and EC NO.2276/EN/T-II-1/050/2013 dt.17.10.2016.

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.

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 project is now completed upto 21th floor.

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 one Block of B+G+21 storied building which are verge of completion phase.

Project at a glance:

SALIENT FEATURES OF PROJECT	
Project Name	ECOCENTRE
Project Address	Plot No-4, Block –EM, Sector-V, Salt Lake , Kolkata -700091
EC No.	EN/2852/T-II-1/002/2009
Date of issuance	06/10/2010
EC No for Expansion	2276/EN/T-II-1/050/2013
Date of issuance	17.10.2016
Consent to Establish (NOC) No.	NO82483
Vide Memo No	12-2N-124/2008(E)
Date of issuance	06/01/2011
NOC for Expansion	NO145476
Memo No	794-2N-124/2008 (E)
Date of Issuance	07.12.2016
NOC Validity	30.11.2023
Consent to Operate(B+G+19)	CO106547
Date of issuance	14/11/2017
Date of expiry	31/03/2022
Consent to Operate	Consent to operate obtained on 21.08.2019. vide memo no 20-2A-ZII/R/64-17 CFO No CO113772
Date of issuance	21.08.2019
Date of expiry	30.06.2024
Land area	1.878 acres (7599.975 sqm)
Built up area	59452.26 sqm
Ground coverage	2940.36 sqm (38.69% of land area)
Building description	Software Park (1 Block of B+G+19 storied building)
Landscape Green Area	3014.495 sqm (39.66% of land area)
Paved area	1645.12 sqm (21.65% of land area)
Total water requirement	619 KLD (Operation stage)
Fresh water requirement	377 KLD (NDITA supply)
Domestic Water requirement	366 KLD
Waste water generated	293 KLD (to be reused after treated in STP)
Waste water discharged	Zero discharge
Solid waste disposal	2.83 tons per day (to be disposed off through NDITA)
Backup power	DG sets (3x 1500 KVA)
Status of construction	Completed project

Special Feature of the Project:

THE PROJECT IS CERTIFIED AS A GOLD RATED GREEN BUILDING BY INDIAN GREEN BUILDING COUNCIL UNDER LEED INDIA CORE & SHELL CATEGORY.

CII
Confederation of Indian Industry

IGBC

Indian Green Building Council (IGBC)

hereby certifies that

ECOCENTRE

AmbujaNeotia

Kolkata

(IGBC Registration No. CS 11 1241)

has successfully achieved the Green Building Standards required for the following level of certification under the

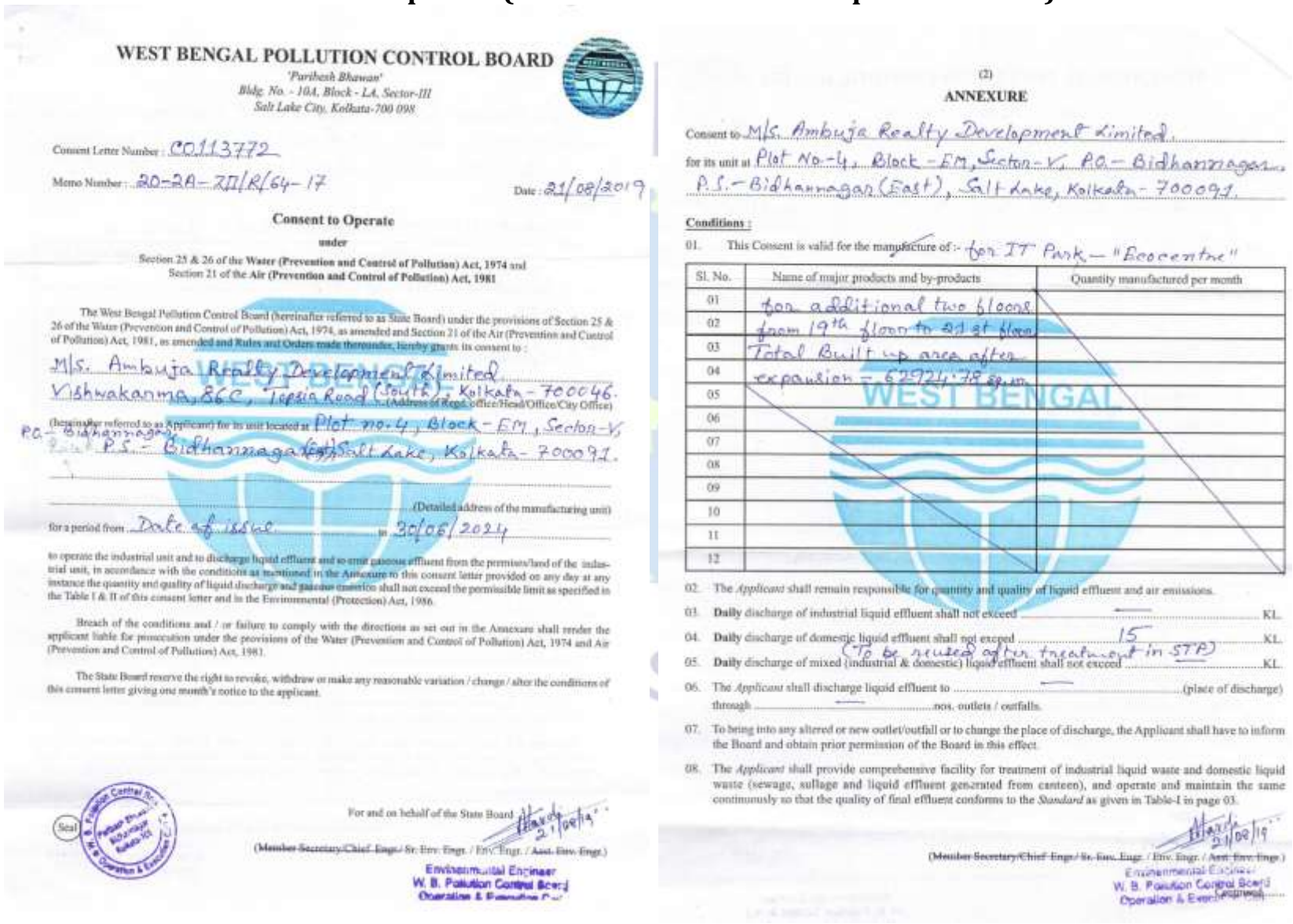
IGBC's LEED India Core & Shell Rating System

Gold

March 2019

C N Raghavendran	V Suresh	S Raghupathy	K S Venkatagiri
Chair, LEED India	Chairman, IGBC	Deputy Director General, CII	Executive Director, CII-Godrej GBC

Consent to operate (For additional 2 floors- Upto 21th floor)



WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'
Bldg. No. - 10A, Block - LA, Sector-III
Salt Lake City, Kolkata-700 098

Consent Letter Number : CO113772

Memo Number : 20-2A-ZII/R/64-17 Date : 21/08/2019

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
Vishwakarma, 86C, Topsia Road (South), Kolkata - 700046.
(Address of Regd. office/Head Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Plot no.4, Block - EM, Section-V, PO - Bidhannagar, P.S. - Bidhannagar (East), Salt Lake, Kolkata - 700091.

(Detailed address of the manufacturing unit)

for a period from Date of issue to 30/06/2024

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.

Seal

For and on behalf of the State Board

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

(2)

ANNEXURE

Consent to M/S. Ambuja Realty Development Limited.
for its unit at Plot No-4, Block - EM, Section-V, PO - Bidhannagar, P.S. - Bidhannagar (East), Salt Lake, Kolkata - 700091.

Conditions :

01. This Consent is valid for the manufacture of :- for IT Park - "Ecocentre"

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	for additional two floors	
02	from 19th floor to 21st floor	
03	Total Built up area after	
04	expansion - 67924.78 sq.m.	
05		
06		
07		
08		
09		
10		
11		
12		

02. The *Applicant* shall remain responsible for quantity and quality of liquid effluent and air emissions.

03. **Daily** discharge of industrial liquid effluent shall not exceed — KL.

04. **Daily** discharge of domestic liquid effluent shall not exceed 15 KL.

05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed (To be reused after treatment in STP) KL.

06. The *Applicant* shall discharge liquid effluent to — (place of discharge) through — nos. outlets / outfalls.

07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.

08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

21/08/19

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Environmental Clearance for expansion

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
Poura Bhavan, Block 'FD'-415A, 4th Floor, Sector – III,
Salt Lake, Kolkata – 700 106
Telefax No. 033 2337 0268
Website : www.environmentwb.gov.in

No. 2276 / EN/T-II-1/050/2013 Date : 17/ 10/ 2016

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

SUB. : Environmental Clearance for the proposed expansion of IT & ITES office "ECOCENTRE" by M/s. Ambuja Realty Development Limited at plot no-4, Block-EM, Sector-V, Kolkata-700091, West Bengal

Sir,

This has a reference to your application submitted on 18/12/2013 and subsequent communications for environmental clearance for the proposed expansion of IT & ITES office "ECOCENTRE" at plot no-4, Block-EM, Sector-V, Kolkata-700091, West Bengal.

The proposal has been examined and processed in accordance with the EIA Notification, 2006. The proposed proposal is for construction for vertical expansion of an IT & ITES office "ECOCENTRE" having 1 block of B+G+19 storied to B+G+21 storied having green building rating.

It is noted that the salient features of the project for which Environmental clearance has been considered are given below:

	Existing project (Phase I)	After expansion
Land Area	: 7599.975 sq.m	
Building profile	: 1 block of B+G+19 storied	: 1 block of B+G+21 storied
Expected Population	: 8655 persons	:6381 persons
Latitude & Longitude	: 22°34'37.20"N & 88°25'41.34"E	
Total Water requirement	: 619 KLD	: 478 KLD
Fresh water requirement	: 377 KLD (Source – NDITA)	: 279 KLD (source-NDITA)
Wastewater generated	: 293 KLD (to be treated in STP)	: 216 KLD (to be treated in STP)
Treated Wastewater recycled	: 234 KLD	: 194 KLD (used in HVAC, road cleaning)
Treated wastewater discharged	: Nil	: Nil
Solid waste disposal	: 2.83 TPD (to be disposed off in-house compost plant & through local authority)	: 3.14 TPD (to be disposed off in-house compost plant & through local authority)
Total Built-up Area	: 59452.26 sq.m	: 62924.784 sq.m
Ground Coverage	: 2940.36 sq.m (38.69% of land area)	: 2982.69 sq.m (39.24% of land area)
Exclusive tree plantation area	: 1605.98 sq.m (21.13% of land area)	: 1617.09 sq.m (21.29% of land area)
Total paved area	: 1645.12 sq.m (21.65% of land area)	: 1784.41 sq.m (23.47% of land area)
No. of plantation proposed	: Existing-20 nos, (retained-5 nos. felled-15), proposed-175 nos.	
No. of Solar Street lights proposed		: 18 nos.
No. of Parking spaces proposed	: 514	: 465 (covered-447, open-18)
Total Power requirement	: 7 MVA.	: 5.8 MVA, NTESCL
Use of solar power	:	: At least 55 KW of solar power to be generated and utilized excluding standalone solar street lights, as proposed
Backup Power	: DG Sets (4x2000 KVA)	: DG sets (3x1500 KVA)

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and 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: -

i. Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps. Water usage during construction should be optimized to avoid any wastage.
ii. 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.
iii. The scaffolds, stairs and platforms for construction works and the workers must be secured as far as possible to prevent any accident.
iv. Health and safety of the workers should be ensured during construction. Personnel protective equipment like shoes, 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. The Management must ensure that the workers put them while doing work that needs such protection, if any.
v. Rest and convenience shelter for workers with crèche facility, if required, particularly for women, must be provided with proper toilet facilities.

2

Steps to avoid disturbance during construction:-

i. All the topsoil excavated during construction activities should be under cover/stored by retaining walls for use in horticulture / landscape development within the project site. Adequate erosion and sediment control measures to be adopted before ensuing construction activities.

ii. Prior permission should be obtained from the competent authority for demolition of the existing structure, if any. Waste recycling plans should be developed for prior to beginning of demolition and construction activity. The plans should identify wastes to be generated and designate handling, recycling and disposal method to be followed.

iii. 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.

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

v. 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-peaking hours.

vi. Ambient noise levels should conform to residential standards both during day and night. Fortnightly monitoring of ambient air quality (SPM, SO2 and NOx) and equivalent noise levels should be ensured during construction phase.

vii. 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.

viii. 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. Discomfort in the neighbourhood due to the proposed project activity should be minimized as far as practicable.

ix. Loading and unloading operations should not be carried out in open areas and should be preferably done during day time, if there is any major settlement in the surrounding areas. The construction activities including Piling work, Operation of Ready Mix Plant and Vibrator etc. should not be carried out during the night time (10 P.M. to 6 A.M.). Only essential operations, if any, may be carried out for a limited period during nighttime.

x. The proponent must ensure that no driven piles shall be proposed for this project, if there is any major settlement in the surrounding areas.

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

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

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

xiv. 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.

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

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

xvii. 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.

3

iii. Fly Ash is to be used for construction as per Notification No. S.O. 763(E) dated 14.09.1999 amended vide Notification No. S.O. 979(E) dated 27.8.2003 and S.O. 2804(E) dated 03.11.2009 of the Ministry of Environment & Forests, Govt. of India.

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. The building will be constructed and provisioned to use natural sunlight to the maximum during the day time, during use.

vii. 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.

viii. 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. Adequate no. of solar lights should be installed for external lighting as per norms. All common area lighting will be LED system.

ix. Solar water heating arrangement will be done for water heating .

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

xi. 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.

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

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

xiv. 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.

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

xvi. 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.

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

Water Body Conservation:-

i. Water body if any should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat.

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 at least 20% of the total area.

ii. No tree 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.

iii. The proponent should plant at least 175 trees as proposed in addition to the trees to be retained. Indicative list of species is given at Annexure – I. The landscape planning should include plantation of native species. The species with heavy foliage wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

iv. Provision for Roof Top Gardening is mandatory.

4

Water supply:-

i. Water requirement during construction phase shall be met from NDITA supply. Ground water should not be abstracted without 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 waste water shall be treated in septic tank to soak pit. Construction waste water to be collected in sedimentation trap with adequate retention time and to be reused.

Storm water 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.

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 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 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. White roofs should be provided in the buildings.

Rain Water Harvesting Scheme:-

i. The proponent must follow the Rainwater Harvesting Guidelines of the State 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. Adequate retention time and storage provisions should be provided for harvesting rainwater.

iii. Storage capacity of at least 250 KL for harvested rainwater to be provided.

iv. Adequate firefighting storage should be provided as per norms.

Municipal Solid Waste Management :-

i. Adequate provision shall be made for storage and segregation of solid waste and adequate means of access shall be provided.

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. Proper traffic management plan should be adopted in consultation with Traffic authorities.

iii. Clarified Wastewater will be used for sprinkling water on the unpaved internal roads on a regular basis.

Others:-

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

5

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

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

iv. 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.

v. Rest room facilities should be provided for service population.

vi. Adequate access to fire tenders should be provided.

II. Operation Phase

Water supply :-

i. Water requirement during operation phase shall be met from NDITA supply. Ground water should be not abstracted without 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 and records to be maintained. Use of water efficient devices / fixtures and appliances should be promoted.

iii. The proponent must practice rainwater harvesting on regular basis.

Sewage Treatment Plant:-

i. As per the proposal submitted by the proponent, waste water shall be treated in STP. Treated waste water shall be fully reused for air conditioning,landscaping; internal road and pavement cleaning etc. and shall maintain zero discharge.

i. Water meter to be installed at STP inlet & discharge outlet point of treated water and regular records to be maintained.

ii. Provision for back up power for operation of STP during power failure should be made.

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:-

ii. 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.

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

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.

6

vi. At least 55 KW of solar power to be generated and utilized excluding standalone solar street lights, as proposed.

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 concerned authority.

ii. The proponent shall install onsite compost plant for treatment of biodegradable part of Municipal Solid Waste. Sufficient space for installation of onsite compost plant should be provided and operation of the compost plant considering full occupancy of the apartments i.e. the capacity of garbage disposal unit should be selected accordingly.

iii. The handling agency should also take care of the recyclable wastes like plastic, paper board, glass etc. and also inert materials in case of respective municipal authorities want to avoid any kind of waste from the housing complex.

iv. The proponent should have sufficient area for horticulture where the compost generated can be used as fertilizer and soil supplement and also have arrangement for sale of excess quantity of compost.

v. Provision for treatment of leachate generated and odor control in onsite compost plant should be made.

vi. Non-recyclable inorganics and rejects will be disposed off through NDITA as proposed.

vii. 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.

viii. The proponent should abide by the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. 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, Handling and Transboundary Movement) Rules, 2008.

ix. Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. Spent oil from DG Sets should be disposed off through registered recyclers only.

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. Fire fighting 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.

7

iv. The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. At least 2% of the total project cost should be utilized for Corporate Social Responsibility programmes.

v. The proponent should abide by the Direction issued by the Department of Environment, Government of West Bengal, vide No. EN/3170/T-IV-7/001/2009 dated 10.12.2009.

vi. Environmental Management Information System shall be maintained properly.

vii. The proponent should restrict the use of glazed surface as per National Building Code,2005

Part-B GENERAL CONDITIONS

i. The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.

ii. 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.

iii. The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.

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

v. 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.

vi. Provision should be made for the supply of kerosene or cooking gas to the 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.

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

viii. 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, West Bengal.

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

x. The State Level Environment 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.

xi. 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://environment.wb.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.

xii. 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.

xiii. 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

8

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.

xiv. 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, Handling and Transboundary Movement) Rules, 2008, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

xv. The contact details of the proponent and the name of the consultant are given below –

Name of the Contact person with Designation	Bijay Khaitan, Authorised Signatory
Address	Ecospace Business Park, Block 3A, 2nd floor, Premises no. III/11, Action area II, New Town, Kolkata-700156.
Email	----------
Telephone Number, Fax Number	Tel:913340406060 fax-913340406161.
Name of the Environmental Consultant	Mr. Partha Pratim Dutta.

(Sandipan Mukherjee, IFS)
Chief Environment Officer &
Member Secretary, SEIAA

No. 2276 / EN/T-II-1/050/2013 /1(3) Date : 17/ 10/ 2016

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar – 751 023, Orissa.
3. Guard file / Record file.

Sd/-
Chief Environment Officer &
Member Secretary, SEIAA

9

Public notification published in two widely circulated news papers one in Bengali and other in English

10/25/2018 218.15.194.90/morningindia/customprintviews.php?pagenum=1&adcode=73&mode=1&pgid&date=2018-10-25

Mamata flags off 50 fire tenders from Nabanna

Mamata cautions about conspiracy to disrupt Bengal's harmony

Too many GST rates could be disastrous, says P Chidambaram

'Can't build prosperous society unless India is tolerant'

PUBLIC NOTICE

M/S Ambuja Realty Development Limited having registered office at " ECOSPACE Business Park" Block -4B,8th Floor, Premises No II P/11, Action Area –II, New Town, Kolkata - 700160 has been accorded Environmental Clearance for Extension of Project "ECOCENTRE" at Plot No.-4 Block –EM, Sector –V, Saltlake, Kolkata –700091, West Bengal from the State Environment Impact Assessment Authority, Department of Environment, West Bengal vide Memo No. -227/ENT/II-1/099/2018 DT. 17.10.2018 Copy of the clearance is available with the State Pollution Control Board / Authority and may also be seen at website of the SEAA (http:amiswbb.gov.in)

Published by : M/S Ambuja Realty Development Ltd
Registered office :
"ECOSPACE Business Park" Block -4B,
8th Floor, Premises No II P/11, Action Area –II,
New Town, Kolkata -700160

আজকাল

জনবিজ্ঞপ্তি

এতদ্দ্বারা জনসাধারণকে জানানো যাইতেছে যে মেসার্স অম্বুজা রিয়ালটি ডেভেলপমেন্ট লিমিটেড দ্বারার নিবন্ধিত কার্যালয় স্থিত "ইকোস্পেস বিজনেস পার্ক" ব্লক-৪বি, তলা-অষ্ট, প্রিমাইসেস্ নং-II এফ/১১, অ্যাকশন এরিয়া-II, নিউটাউন, কোলকাতা-৭০০ ১৩৬ (পুরাতন) ৭০০১৬০ (নতুন), স্টেট এনভায়রনমেন্ট ইম্প্যাক্ট অ্যাসেসমেন্ট অথরিটি মহাশয়ের "ইকোস্পেস" প্রকল্পটির, যাহার প্লট নং-এ, ব্লক-ই, এম, সেক্টর-V, সল্টলেক, কোলকাতা-৭০০০৯১, পরিবেশ, পরিবর্তনের ছাড়পত্র অর্জন করিয়াছে। ইহার সিদ্ধি নং 227/EN/T-II-1/060/2013 তারিখ ১৭.১০.২০১৩ পরিবেশ মন্ত্রকের আওতাধীন অনুলিপি বাস্তা দূষণ নিয়ন্ত্রণ পর্ষদ/কর্তৃপক্ষের কাছে পাওয়া যাবে। ইহা ছাড়াও এটি স্টেট এনভায়রনমেন্ট ইম্প্যাক্ট অ্যাসেসমেন্ট অথরিটি ওয়েবসাইট (http:enviswbb.gov.in)-তে দেখিতে পাওয়া যাইবে।

Published by : M/S Ambuja Realty Development Ltd
Registered office :
" ECOSPACE Business Park" Block -4B,
8th Floor, Premises No II F/II, Action Area –II,
New Town, Kolkata -700160

ইলাহাবাদ ব্যাঙ্ক এলাহাবাদ ব্যাঙ্ক

হেড অফিস: ২, নেতাজি সুভাষ রোড, কলকাতা-৭০০০০১

অ্যাসেটস রিকভারি ম্যানেজমেন্ট ব্রাঞ্চ

দখল বিজ্ঞপ্তি

কর্মী বিক্ষোভে পরিত্যক্ত খাবার, আবর্জনার স্তূপ যশোবন্তপুর-হাওড়া দুরন্ত এক্সপ্রেসের কামরায়। ছবি: স্টেশনিক কোলে

ট্রেনে খাবার না পেয়ে বিক্ষোভ

আজকালের প্রতিবেদন: যশবন্তপুর-

সাক্ষ্য সাংসদের

আজকালের প্রতিবেদন: ভিজ অ্যাই পি কেটিয়ে বেলেয়া টিকিট বুকিং জালিয়াতি মামলায় সোমবার সাক্ষ্য দিলেন সাংসদ অনু হাসেম খান চৌধুরি। সি বি আই এই মামলার তদন্ত করছে। এই মামলায় সাক্ষ্য দিয়ে গিয়েছেন প্রাক্তন কেন্দীয় মন্ত্রী জয়রাম রমেশ। সোমবার অনু হাসেম খান চৌধুরি তাঁর আইনজীবী প্রভাত পাণ্ডকে নিয়ে আদালতে ২২ নম্বর মেট্রোপলিটন ম্যাজিস্ট্রেট অরবিন্দ মিশ্রের এজলাসে আসেন। বলেন, তাঁর সহায়ক প্যাডে যে সই তাঁদের করা হয়েছে, সেটি তাঁর নয়। সই জাল করা হয়েছে। সংশ্লিষ্টদের জিজ্ঞাসাবাদ করেছে। সি বি আই এই মামলার ও জনকে ইতিমধ্যেই গ্রেপ্তার করেছে।

খুলছে জুট মিল

NOC from WBPCB for expansion of project

SPEED POST

(For external circulation only)

Sl. No. 4211

NOC WB145476

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block-LA, Sector-III
Bidhannagar, Kolkata-700 098

Memo No. 794 -2H-124/2008(E)

Dated 07.12.2016

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/11,
Action Area, New Town, Kolkata – 700 156.

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

Ref : Your letter No. AP/NOC/WBPCB/ECOCENTRE/16/01/16-17-362 dtd.09.11.2016

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s. Ambuja Realty Development Ltd.
for vertical expansion of existing IT & ITES office building from existing (B+G+12) stories to (B+G+21) stories with having total built up area of 3472.324 Sq.m.
at Plot No.4, Block- EM, Sector-V, Salt Lake, Kolkata – 700 091.

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.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. 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.
3. 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.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. 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 & Pollution) Act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/[illegible] erected or erected without prior approval of this Board.

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

(5)

NOC WB145476

7. You shall comply with
   - (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
   - (ii) Water (Prevention and Control of Pollution) Cess Act, 1970, if applicable.
   - (iii) Environment (Protection) Act, 1986
   - (iv) Environment (Protection) Rules, 1986
   - (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
   - (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
   - (vii) Manufacture, Use, Import and Storage of Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
   - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
   - (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
   - (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
   - (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
   - (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION :

See annexures.

Gross capital investment : Rs.152.36 Crores.

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,
Member Secretary / Sr. ENV. ENGR.
West Bengal Pollution Control Board
(EIN CELL)
Sr. Environmental Engineer
W. B. Pollution Control Board
Dept. of Environment, GoWB

Memo No. 794(1-4)-2H-124/2008(E) dtd. 07.12.2016.

Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata 700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata 700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, [illegible] R.O./Howrah R.O./Hooghly R.O./[illegible] R.O./Malda R.O./Asansol Sub-R.O./WBPC Board

Himalaya Bhawan, Dobhi Road, Dadpur, Dist. Hooghly	[illegible], Kalyani Expressway, P.O. [illegible], Dist. 24 Pgs (N)	[illegible] City Centre, Durgapur-16, Dist. Burdwan	[illegible] Bhawan, 2nd Floor, [illegible], Kolkata-700 027
Paribesh Bhawan, 10A, LA-Block, Sector-III, Salt Lake City, Kolkata-700 098	Block-[illegible], Flats Complex, Adjacent to [illegible] Housing Estate, P.O. [illegible], P.S. [illegible], Haldia-721 602, Dist. Purba Medinipur	Paribahan Nagar, Matigara, Siliguri, Dist-Darjeeling	10, Camac Street, 2nd Floor, Kolkata-700 017
Satya Chowdhury Indoor Stadium, [illegible] Road, Malda-732101	Asansol Sub-Regional Office, [illegible] Mansion (2nd Floor), 66, G. T. Road, Asansol-713 301		

5. Chief Engineer (EIR) cell.
6. RFE - Canal of C.O.

Member Secretary / Sr. ENV. ENGR.
West Bengal Pollution Control Board
Dept. of Environment, GoWB

Copy of updated Fire Clearance

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/20172018/3253 DATE: 28/06/2018

From :
The Director
Fire Prevention Wing,
West Bengal Fire & Emergency Services.

To :
AMBUJA REALTY DEVELOPMENT LTD
NO-4, BLOCK-EM, SECTOR-V,
SALTLAKE
KOLKATA
Bidhan Nagar F.S., Bidhannagar (North),
North 24 Parganas - 700091 .

Sub :Revised Fire Safety Recommendation for the occupancy of an existing B+G+XXI (B+G+21) storied under group Business Building in the name and style as 'ECO CENTRE', at the premises No. – 4, Block – EM, Sector – V, Salt Lake, Kolkata – 700 091.

This is in reference to your Application No. IND/WB/FES/20172018/3253,dated 28/06/2018, regarding the Fire Safety Measure for the occupancy of an existing B+G+XXI (B+G+21) storied under group Business Building in the name and style as 'ECO CENTRE', at the premises No. – 4, Block – EM, Sector – V, Salt Lake, Kolkata – 700 091..

The plan submitted by you was scrutinized and marked as found necessary from Fire Safety point of view. In returning one set of plan with recommendation, this is issuing Revised Fire Safety Recommendation in favour of the aforesaid building subject to the compliance of the following fire safety measure.

Recommendation:

1. The revised plan drawing submitted by you was scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan, this office is issuing Revised Fire Safety Recommendation in favour of the aforesaid building subject to the compliance of the following fire safety measure which was recommended from this office earlier vide memo No. – WBFES/5131/16/Kol-CTB/02/07 (02/07) dated 03/08/16, WBFES/EZ/46/13 dated 03/01/2013, WBFES/3889/08/Kol-CTB/02/07 (02/07) dated 31/12/2008, WBFES/2738/08/Kol-CTB/02/07 (02/07) dated 01/10/2008 & WBFES/372/08/Kol-CTB/02/07 (02/07) dated 24/04/2008 will remain unchanged & strictly to be followed.

Enclo. :

1.One set of plan.

Director
West Bengal Fire & Emergency Services

Signature valid
Digitally signed by ABHIJIT PANDEY
Date: 2018.06.28 19:54:27 IST

Copy of Previous Fire Clearance

Government of West Bengal
Office of the Deputy Director, East Zone
West Bengal Fire & Emergency Services
Barasat, 24-Paraganas (N)

Memo No:WBFES/EZ/46/13 **Dated: 03/01/2013**

From : Dy. Director, East Zone ,
West Bengal Fire & Emergency Services,
Barasat

To : Authorised Signatory,
Mr. P.Sandeep
Ambuja Realty Development Ltd.
"Vishwakarma", 86C, Topsia Road (S)
Kolkata-700091

Sub : Fire & Life Safety recommendation for revised proposed construction of B+G+XX storied under group E-1 Business Building at premises No. Plot No-04, Block-EM, Sector-V, Saltlake, Kolkata-700091.

Dear Sir,

This is in reference to your letter No.ECOCENTRE/BLD/02 dated 06-11-2012 regarding Fire safety measure for revised proposed construction of B+G+XX storied under group E-I Business Building at premises No. Plot No-04, Block-EM, Sector-V, Saltlake, Kolkata- 700091.

The plan drawing submitted, were scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan with recommendations this office is issuing **Fire safety Recommendations** in favour of the aforesaid building subject to the compliance of the following fire safety measures as recommendation issued earlier vide this office Memo No. WBFES/222/08/Kol-CB/02/07 (02/07) dated.24/04/2008.

Enclo : 1) One set of plan

Deputy Director, East Zone
West Bengal Fire & Emergency Services

Government of West Bengal
Office of the Director General
West Bengal Fire & Emergency Services
13-D, Mirza Ghalib Street,
Kolkata-700 016

Memo No.WBFES/372/08/Kol-CB/02/07(02/07)/Dated: 24.04.08.

From : The Director General,
West Bengal Fire & Emergency Services.

To : Sri P. Sandeep,
Asstt.Vice President,
Ambuja Realty Development Limited.,
Vishwakarma,
86C, Topsia Road (S),
Kolkata-700 046.

Sub : Provisional N.O.C. for proposed construction of LB+UB+G+XIX Storied under group E-1 Business(IT) Building At Premises No.4,Block-EM Sector-V Saltlake, Bidhan Nagar, Kolkata-700 091.

Sir,

This is in reference to your letter No.PS/P 5101 dated 22/02/2008 regarding Provisional N.O.C. of Fire Safety measure for proposed Construction of LB+UB+G+XIX Storied under group E-1 Business (IT) Building At Premises No.4,Block-EM, Sector-V Saltlake, Bidhan Nagar, Kolkata-700 091.

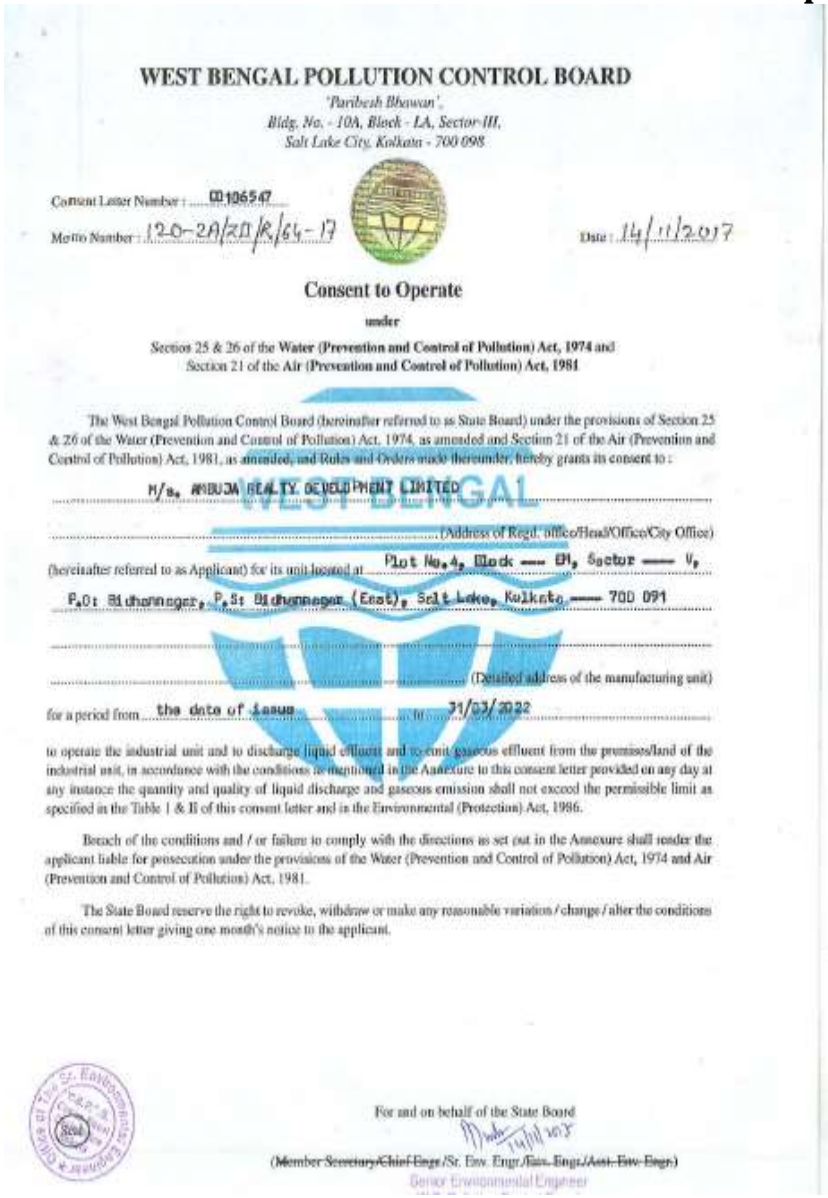
The plan drawings submitted by you was scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan with recommendation, this office is issuing Provisional N.O.C. in favour of the aforesaid building subject to the compliance of the following fire safety measure.

Enclo:
1. One set of plan.
2. Recommendation.

Yours faithfully,

Director General,
West Bengal Fire & Emergency Services

Consent to operate (Partial upto B+G+19)



WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan',
Bldg. No. - 10A, Block - LA, Sector-III,
Salt Lake City, Kolkata - 700 098

Consent Letter Number : CO106547

Memo Number : 120-2A/20/R/64-17 Date : 14/11/2017

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

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Plot No.4, Block --- EM, Sector --- V,

P.O: Bidhannagar, P.S: Bidhannagar (East), Salt Lake, Kolkata --- 700 091

(Detailed address of the manufacturing unit)

for a period from the date of issue to 31/03/2022

to operate the industrial unit and to discharge liquid effluents 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.

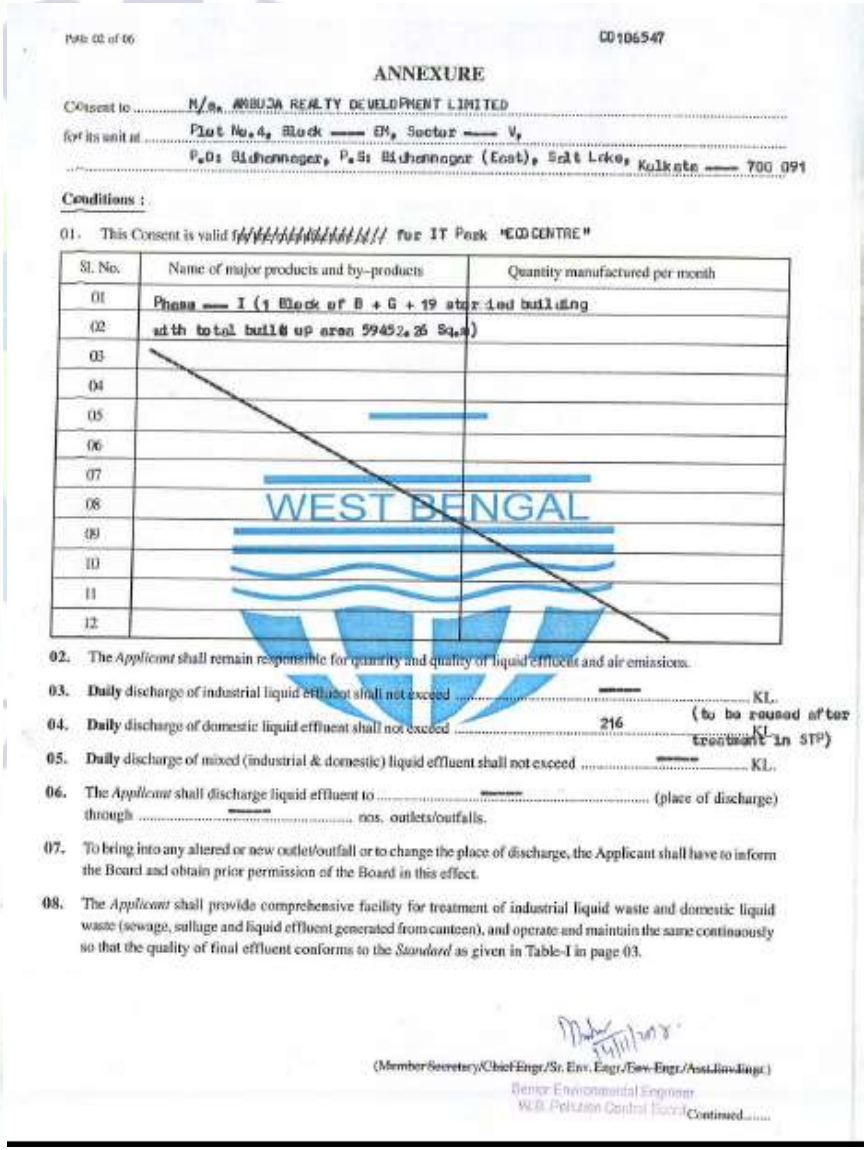
Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

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

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer



Page 02 of 06 CO106547

ANNEXURE

Consent to M/s. AMBUJA REALTY DEVELOPMENT LIMITED

for its unit at Plot No.4, Block --- EM, Sector --- V,

P.O: Bidhannagar, P.S: Bidhannagar (East), Salt Lake, Kolkata --- 700 091

Conditions :

01. This Consent is valid for IT Park "ECO CENTRE"

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Phase --- I (1 Block of B + G + 19 storied building	
02	with total built up area 59452.26 Sq.m)	
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The *Applicant* shall remain responsible for quantity and quality of liquid effluent and air emissions.

03. **Daily** discharge of industrial liquid effluent shall not exceed --- KL.

04. **Daily** discharge of domestic liquid effluent shall not exceed 216 KL (to be reused after treatment in STP)

05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed --- KL.

06. The *Applicant* shall discharge liquid effluent to --- (place of discharge) through --- nos. outlets/outfalls.

07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.

08. The *Applicant* shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
W.B. Pollution Control Board

Continued.....

CO 106547

Page 03 of 06

Consent to ..... M/s. AMBUJA REALTY DEVELOPMENT LIMITED .....

for its unit at ..... Plot No. 4, Block --- EM, Sector --- V, ...

..... P.O: Bidhannagar, P.S: Bidhannagar (East), Salt Lake, Kolkata --- 700 091

Table - I

Outlet No.	Nature of effluent	Parameters	Standard		Frequency of effluent sampling
	Domestic	pH	Between : 5.5 - 9.0		Yearly
		Total Suspended Solids	Not to exceed : 100	mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed : 30	mg/l.	
		Chemical Oxygen Demand	Not to exceed : 250	mg/l.	
		Oil & Grease	Not to exceed : 10	mg/l.	

09. The *Applicant* falls in the ..... --- ..... Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. **Daily** water consumption for the following purposes should not exceed :-

- Industrial cooling, spraying in mine pits and boiler feed water → ..... --- ..... KL
  (Water used for gardening should be included in this category of use)
- Domestic purpose → ..... 270 ..... KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → ..... --- ..... KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → ..... --- ..... KL

The *Applicant* shall regularly submit to the Board the Returns of Water Consumption in the prescribed from and pay the Cess as specified under Section 3 of the said Act.

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
W.B. Pollution Control Board

Continued.....

CO 106547

Page 04 of 06

Consent to ..... M/s. AMBUJA REALTY DEVELOPMENT LIMITED .....

for its unit at ..... Plot No. 4, Block --- EM, Sector --- V, ...

..... P.O: Bidhannagar, P.S: Bidhannagar (East), Salt Lake, Kolkata --- 700 091

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.

12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.

13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table - II

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any) :	Volume Nm³/hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm³)	CO (% v/v)			
S-1 to S-3	12	03 X 1500 KW D.G. sets			150	1			Yearly
S-2									
S-3									
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
W.B. Pollution Control Board

Continued.....

CO106547

Page 05 of 06

Consent to M/s. AMBUJA REALTY DEVELOPMENT LIMITED

for its unit at Plot No.4, Block — EM, Sector — V,

P.O: Bidhannagar, P.S: Bidhannagar (East), Salt Lake, Kolkata — 700 091

11. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.

15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No.	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	H S D	720 lit/hr	D.G sets
02			
03			
04			
05			

16. 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	3.15 Ton/month		To be disposed off as per solid waste Management Rules 2016.

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 10 p.m.)	65
Night Time (10 p.m. to 06 a.m.)	55

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants and to achieve compliance with the terms and conditions of the consent.

19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage/plantation.

20. The *Applicant* shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the *Applicant* to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.

21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.

22. The *Applicant* shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste.

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Continued.....

CO106547

Page 06 of 06

Consent to M/s. AMBUJA REALTY DEVELOPMENT LIMITED

for its unit at Plot No.4, Block — EM, Sector — V,

P.O: Bidhannagar, P.S: Bidhannagar (East), Salt Lake, Kolkata — 700 091

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.

25. The *Applicant* Shall get the samples of hazardous wastes/leachates analysed at least once in..... from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.

26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.

27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form - V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] Rules, 1992.

28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.

29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.

30. The *Applicant* 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.

31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.

32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.

33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous, noxious or pollutants to the environment.

34. The *Applicant* shall make an applicant to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.

35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.

36. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions: The unit shall abide by all other conditions as mentioned in EC (No. 2276/EN/T-II-1/050/2013 dated 17/10/2016) and NOC (Memo No. 794-2M-124/2008 (E) dated 07/12/2016)

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
WBPCB, Pollution Control Board

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.	Water requirement during operational phase will be met from NDIT supply. Necessary agreement has already been done with the authority.
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 standardized Water meter will be installed at the inlet point of water uptake to monitor the daily water consumption.
iii) The proponent must practice rainwater harvesting on regular basis.	Rainwater harvesting scheme has been proposed as per the SEAC guide line. Rainwater will be collected from roof-top and stored in the rain water harvesting tanks.
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.	STP will be installed at the site. It will be zero discharge unit. STP treated water will be used for landscaping, HVAC etc.
ii) Reuse of treated wastewater should be carried out as proposed.	Treated waste water will be re reused for landscaping ,gardening , HVAC etc
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.	Operational DG sets (4 x 2000 KVA) with acoustic enclosures will be installed as per condition of Environmental Clearance as power backup along with power supply from WBSEB. DG sets
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.	The stack height D.G. sets will be installed as per norms of Central Pollution Control Board and emissions standers will be maintained as per CPCB norms. Stack gas emission will be checked by NABL accredited laboratory The certification of DG sets will be done by competent authority.

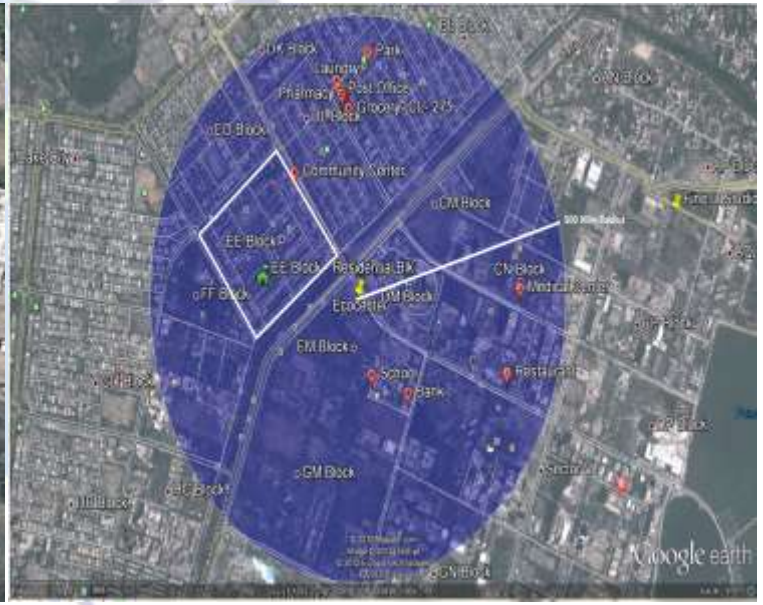
Ensure Energy Efficiency	
i) Use of energy efficient construction materials to achieve the desired thermal comfort should be incorporated. The desired level of R and U factors must be achieved. U factor for the top roof should not exceed 0.4 Watt/sq.m/degree centigrade with appropriate modifications of specifications and building technologies. The provisions of National Building Code 2005 should be strictly followed.	Energy efficient construction materials are being used for achieving the desired thermal comfort. The design has been developed considering energy efficiency factor. Energy conservation method has already been adopted. Proper insulation of roof to be implemented to achieve desired thermal comfort. High Albedo paint with 78 SRI to be applied on the roof top. Roof top garden will be developed to reduce heat island effect and HVAC load. Use of energy efficient lighting systems e.g. High Pressure Sodium Vapour (HPSV) Lamps, LED etc. which is used at the project site office and rest part will be implemented at the building after construction period is over. There is a provision for using of energy efficient lighting systems will be applied. The project is registered under Green building Pre certification.
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, GoI.	Design layout developed in such a way that maximum amount of day light entered in the building. Ventilation and air conditioning system will be in installed as per the ECBC regulations framed by 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.	The project is registered under Green building certification. Energy conservation method adopted. LED lighting, High Pressure Sodium Vapour (HPSV) Lamps etc will be installed at each floor of the building during operation phase. Energy modeling carried out to finalize the electrical equipments.
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.	Energy efficient Motors and properly rated Transformers will be installed for the operational phase. Manufacturer's certificate to this effect shall be obtained and kept on record. Backup power supply will 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.	The power cabling will be 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.	Passive solar cooling has been incorporated in building design for ensuring natural ventilation and day lighting. Double glazing to be implemented to reduce solar heat gain after main construction part is over.
vii) Energy audits should be conducted on a regular basis.	Energy audits will be 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.	The project has locational advantage. Nearest bus stop and proposed metro station is with in 100 meters from the project. Parking facility is fulfilling the NDIT norms .Apart from this charging facility battery operated car has been adopted in design.
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.	Pathway will be covered by shaded tree.
iii)Both internal and external traffic planning and management should be	Traffic circulation both externally and internally has been arranged to avoid any traffic

adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.	congestion on the main road. Separate exit and entry has been demarcated.
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 NDITA.	The proponent will be abiding by the Municipal Solid Wastes (Management and Handling) Rules, 2000. The proponent already being developed the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed in a garbage room which will be constructed and periodically carry out by the NDITA and it will be maintained during operational phase.
ii) The proponent shall install onsite compost plant for treatment of biodegradable part of municipal solid waste.	A composting plant has already been installed at site on demarcated area.
iv) 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.	Separate bins for point segregation will be implemented biodegradable and non-biodegradable wastes at the operational phase
iii) The proponent should abide by the Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules 2008. 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, Handling and Tran boundary Movement) Rules. 2008	Not applicable
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. Handling and Tran boundary Movement) Rules, Spent oil from DG Sets should be disposed off-through registered recyclers only.	Spent oil from DG set are being stored in HDPE drums.
v) 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. The proponent should abide by the Direction issued by the Department of Environment, Government of West Bengal, vide-No. EN/2348/T-IV-3/003/2009 dated 09.09.2009.	Before operation and handing over to the client a tenant guideline is being provided covering e waste handling. E waste generated form electronic devices are sent to the manufacturer as per the buyback policy. Facility management team takes necessary action for the same.

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.	Environmental Management plan for controlling pollution load has been implemented.
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.	Before operation and handing over to the client a tenant guideline is being provided covering energy manage net scheme.
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 the National Building Code 2005.	The project has already received provisional clearance from WBFS. Fire fighting system has been implemented as per their guideline and NBC.
iv) The proponent should restrict the use of glazed surface as per National Building Code 2005.	Glazing on façade of the building has been considered as per the NBC.
v) The proponent should abide by the Direction issued by the. Department of Environment, Government of West Bengal , Vide No : EN/3170/T.-IV-7/001/2009 dated 10.12.2009.	All direction are being followed as per the applicability
vi) The Corporate Social Responsibility Plan along with the specific financial commitment, as proposed for this project should be implemented.	Corporate social responsibility is being covered from corporate level. Specific CSR plan for this project has been planned and implemented.
vii) Environmental Management Information System shall be maintained properly.	EMSA are in place.
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) Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase.	Kerosene has been supplied to labourers during construction phase.
iii) 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 ARDL for construction workers. Necessary safety precaution is being taken during construction activity.
iv) The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.	
v) 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
vi) In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.	The stipulated condition for expansion from B+G+19 floor to B+G+21 floor has already been received by SEAC, WB on 18.02.2014.
vii) The Project Proponent should inform the public that the proposed	Ambuja Realty Development Limited already received Environmental clearance from the SEIAA,

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.	West Bengal. .After receiving clearance ARDL published public notice at two local newspaper. The validity of EC and NOC has already been extended .
viii) 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.	Ambuja Realty Development Limited received all statutory clearance against this project.
x) 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 will be constructed after construction phase and it will go under maintenance ensuring by Operation and Maintenance department as per the Sale Agreement.
xi) 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.	Ambuja Realty Development Limited fulfills all statutory compliance and maintain monthly basis which is illustrate in the NOC by West Bengal Pollution Control Board.
xii) The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.	The detailed salient features of project with monitoring reports has been displayed in display board at the site
xiii) 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, Handling and Transboundary Movement) Rules,2008, the Public Liability Insurance Act,1991, the Environment Impact Assessment Notiication 2006 and their amendments.	Ambuja Realty Development Limited have all statutory clearance

AERIAL VIEW OF SITE & SURROUNDINGS



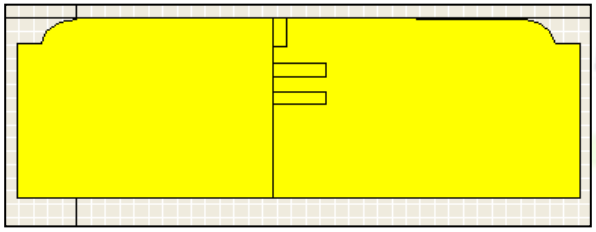
PHOTOGRAPH OF SITE AFTER COMPLETION

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 per norms.

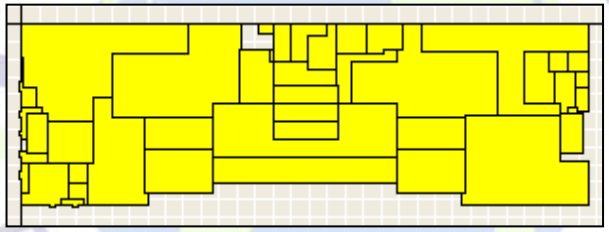
Energy efficient lighting systems e.g. High Pressure Sodium Vapour (HPSV) Lamps, LED etc. has been used . Street lightings to be fitted with HPSV lamps.

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

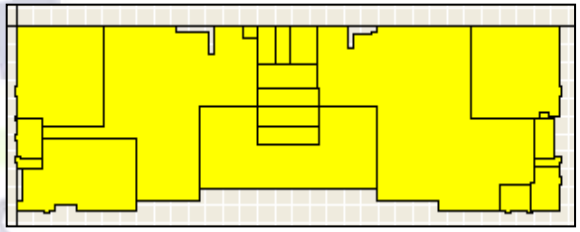
Passive solar cooling has been incorporated in building design for ensuring natural ventilation and day lighting. Double glazing to be implemented to reduce solar heat gain.
A Zoning plan is developed for floor and entered into the simulation model. Each zone is assigned a set of properties including lighting power density, equipment power density, occupant density, infiltration rate, outside air requirement, and an occupancy schedule. Each zone is also assigned physical properties of floor-to-floor height, material density and conductivity,
and fenestration area.



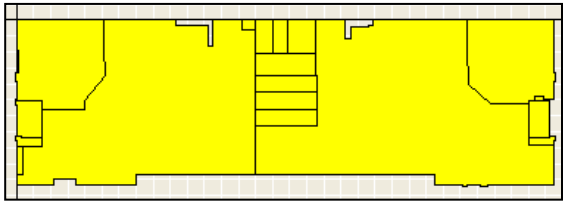
Basement Floor



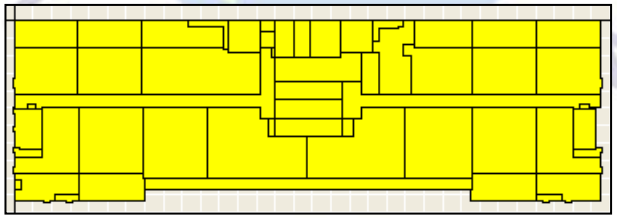
Ground Floor



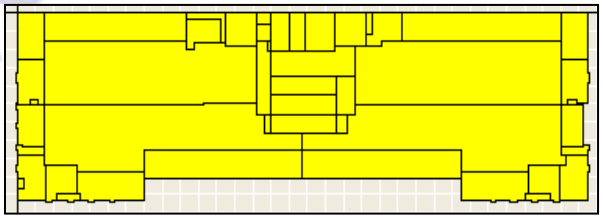
First Floor



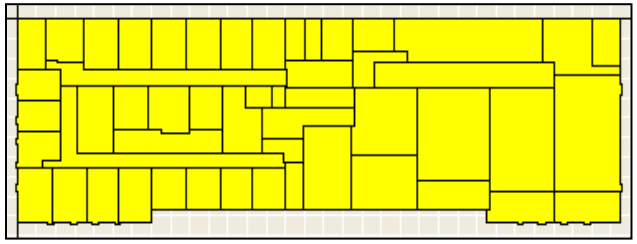
Typical floor (2nd to 4th)



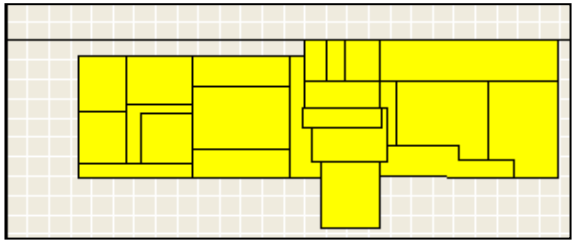
Typical floor (5th to 7th)



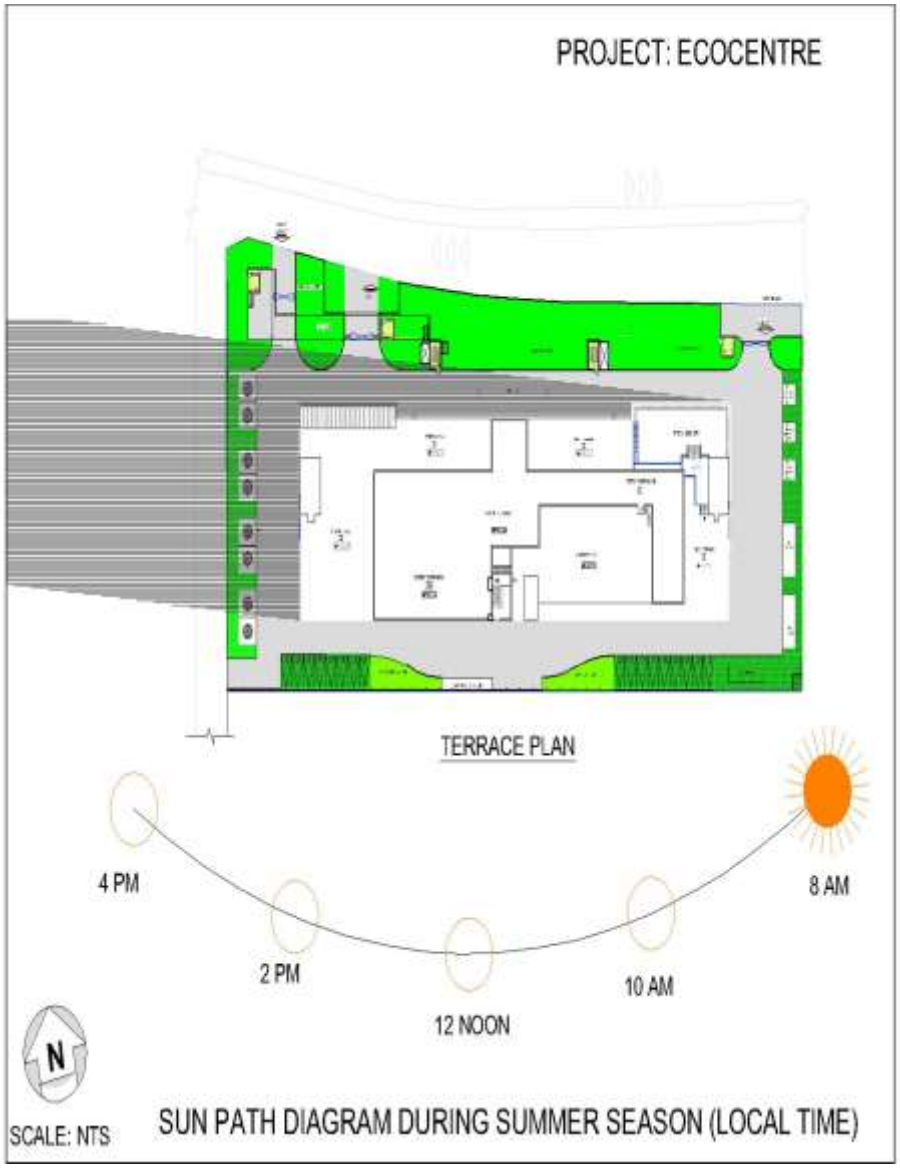
Typical floor (8th to 18th)

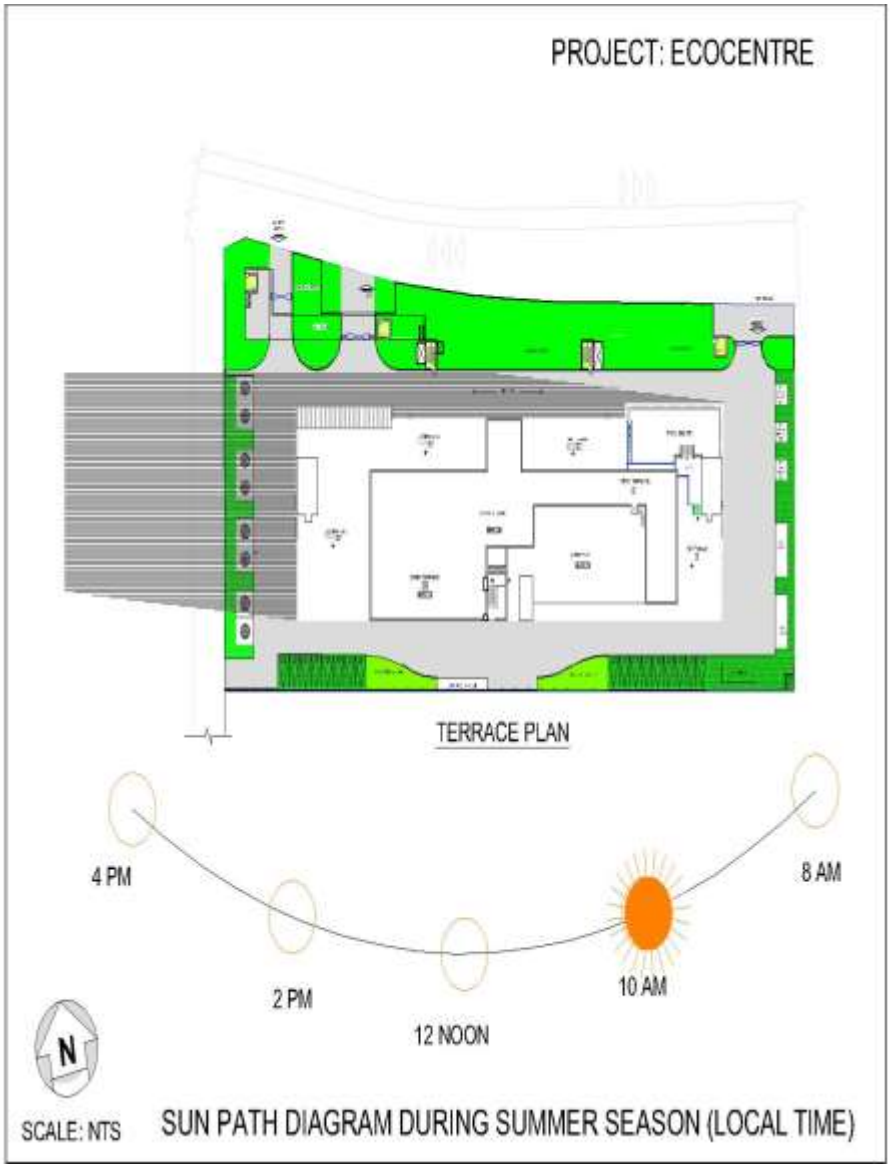


19th Floor

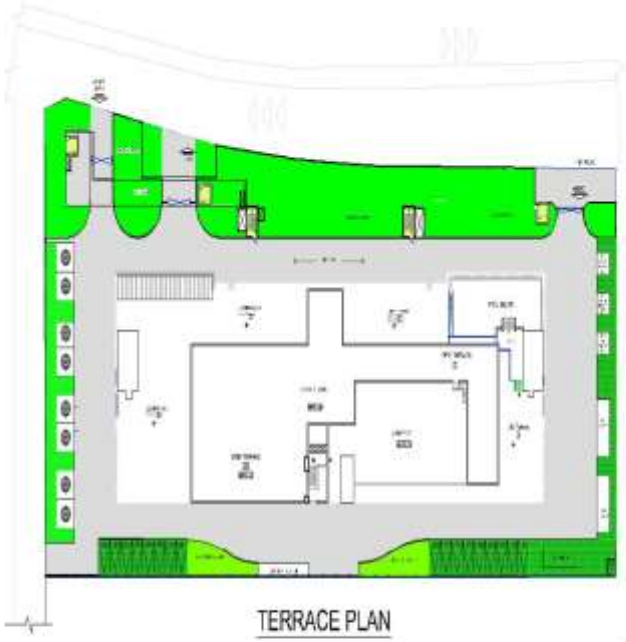


20th Floor

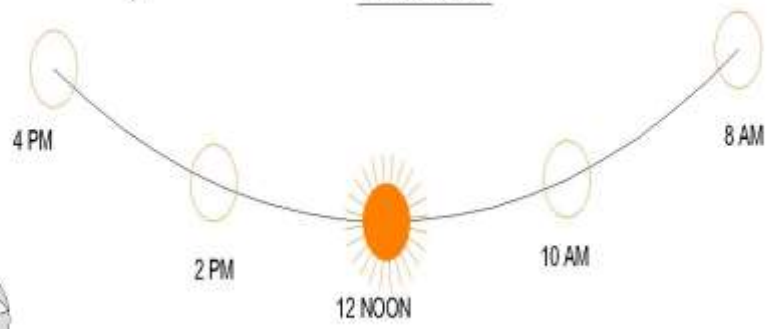

PROJECT: ECOCENTRE
TERRACE PLAN
4 PM
2 PM
12 NOON
10 AM
8 AM
N
SCALE: NTS
SUN PATH DIAGRAM DURING SUMMER SEASON (LOCAL TIME)


PROJECT: ECOCENTRE
TERRACE PLAN
4 PM
2 PM
12 NOON
10 AM
8 AM
N
SCALE: NTS
SUN PATH DIAGRAM DURING SUMMER SEASON (LOCAL TIME)

PROJECT: ECOCENTRE



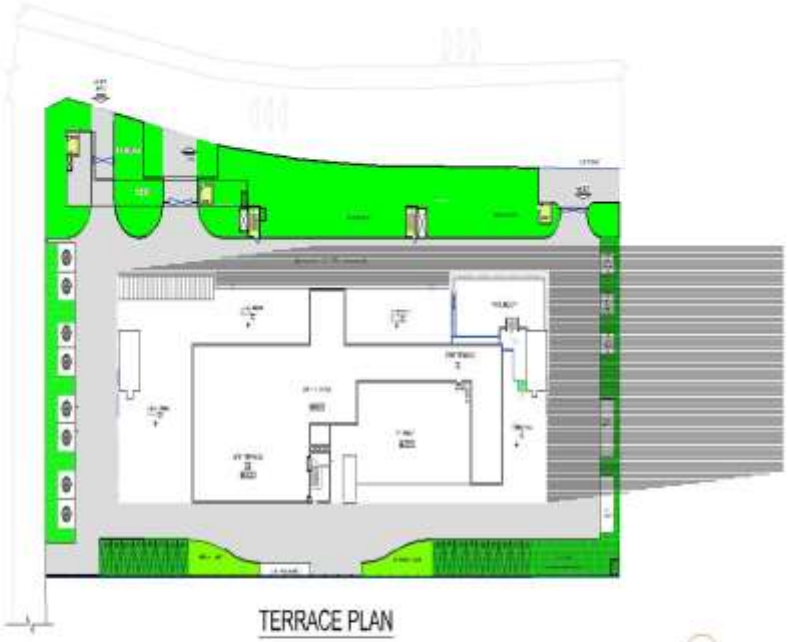
TERRACE PLAN



SCALE: NTS

SUN PATH DIAGRAM DURING SUMMER SEASON (LOCAL TIME)

PROJECT: ECOCENTRE



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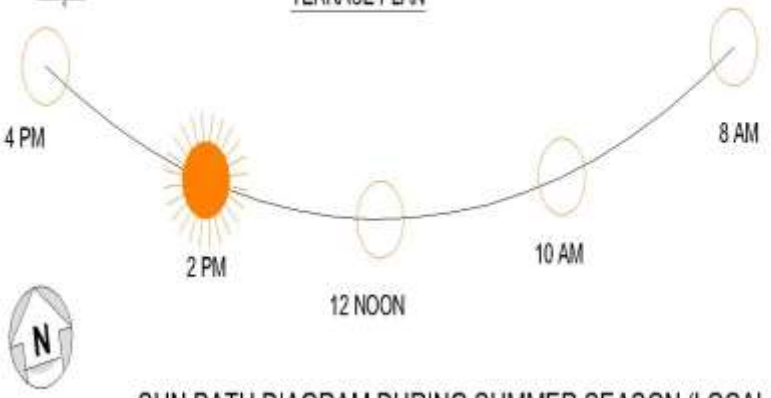

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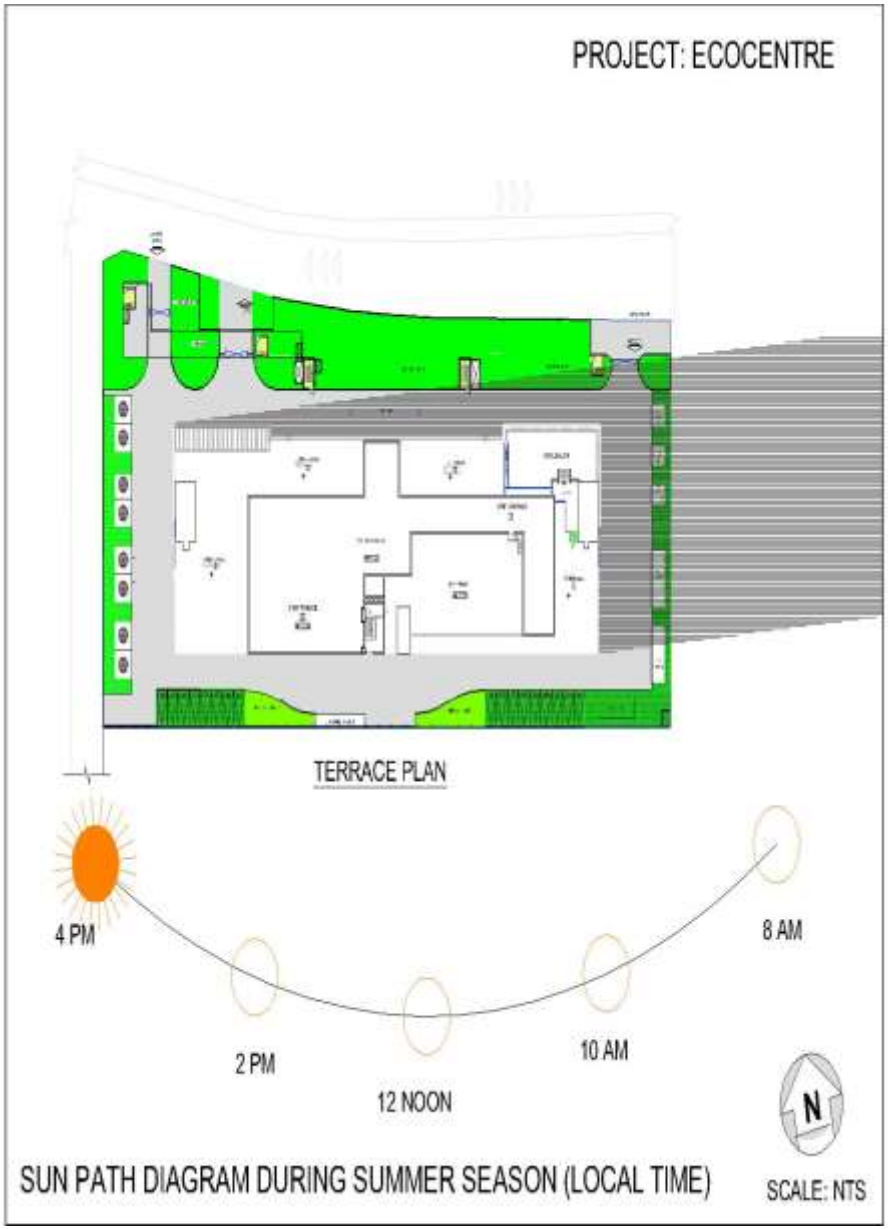
SUN PATH DIAGRAM DURING SUMMER SEASON (LOCAL TIME)


PROJECT: ECOCENTRE
TERRACE PLAN
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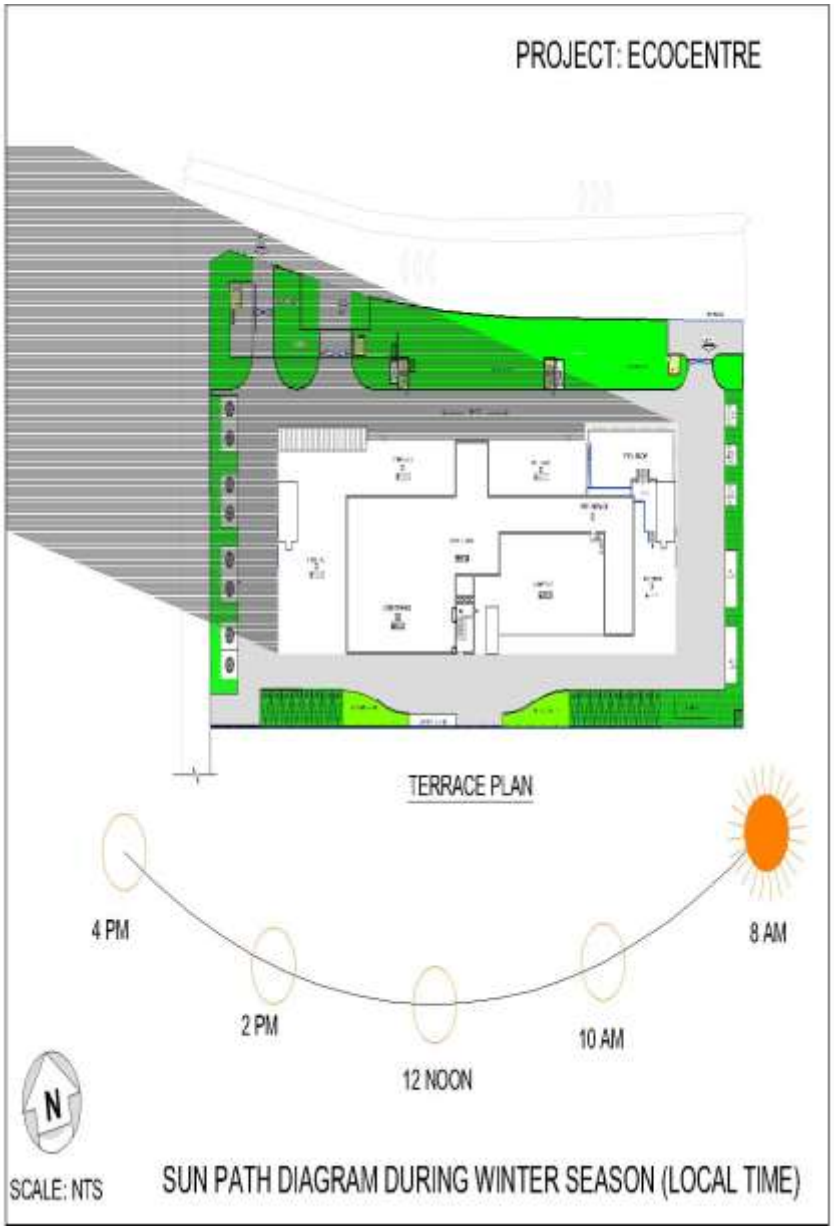
SUN PATH DIAGRAM DURING SUMMER SEASON (LOCAL TIME)
SCALE: NTS


PROJECT: ECOCENTRE
TERRACE PLAN
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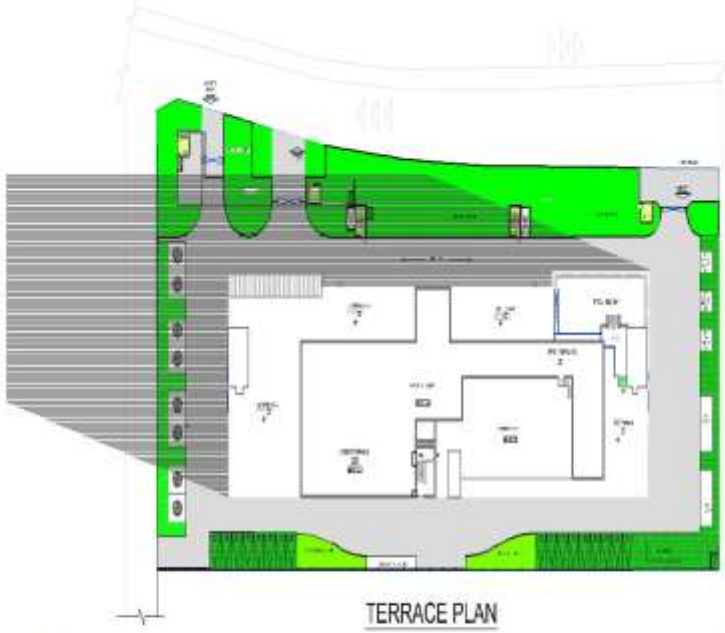
SCALE: NTS
SUN PATH DIAGRAM DURING WINTER SEASON (LOCAL TIME)

PROJECT: ECOCENTRE



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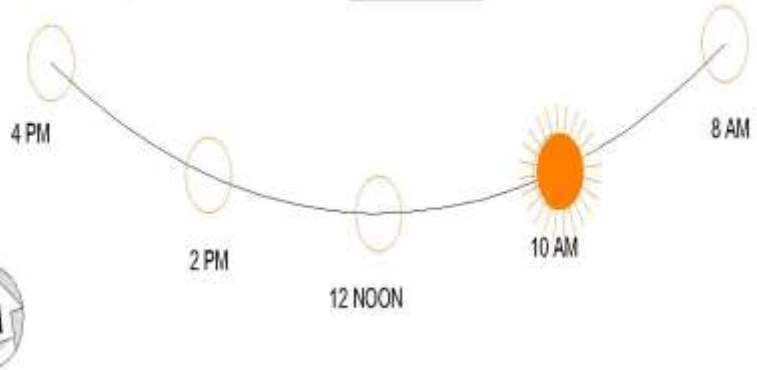

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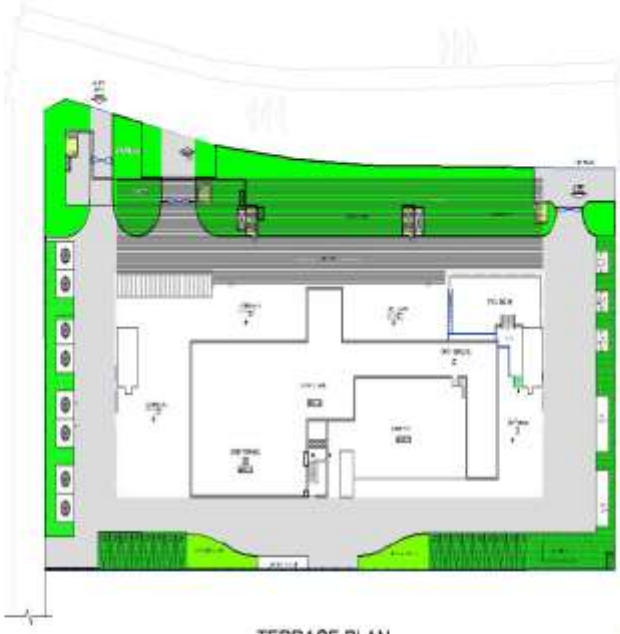
SUN PATH DIAGRAM DURING WINTER SEASON (LOCAL TIME)

PROJECT: ECOCENTRE



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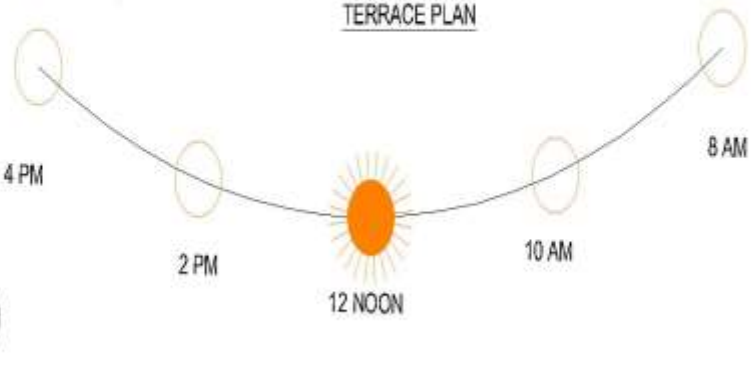

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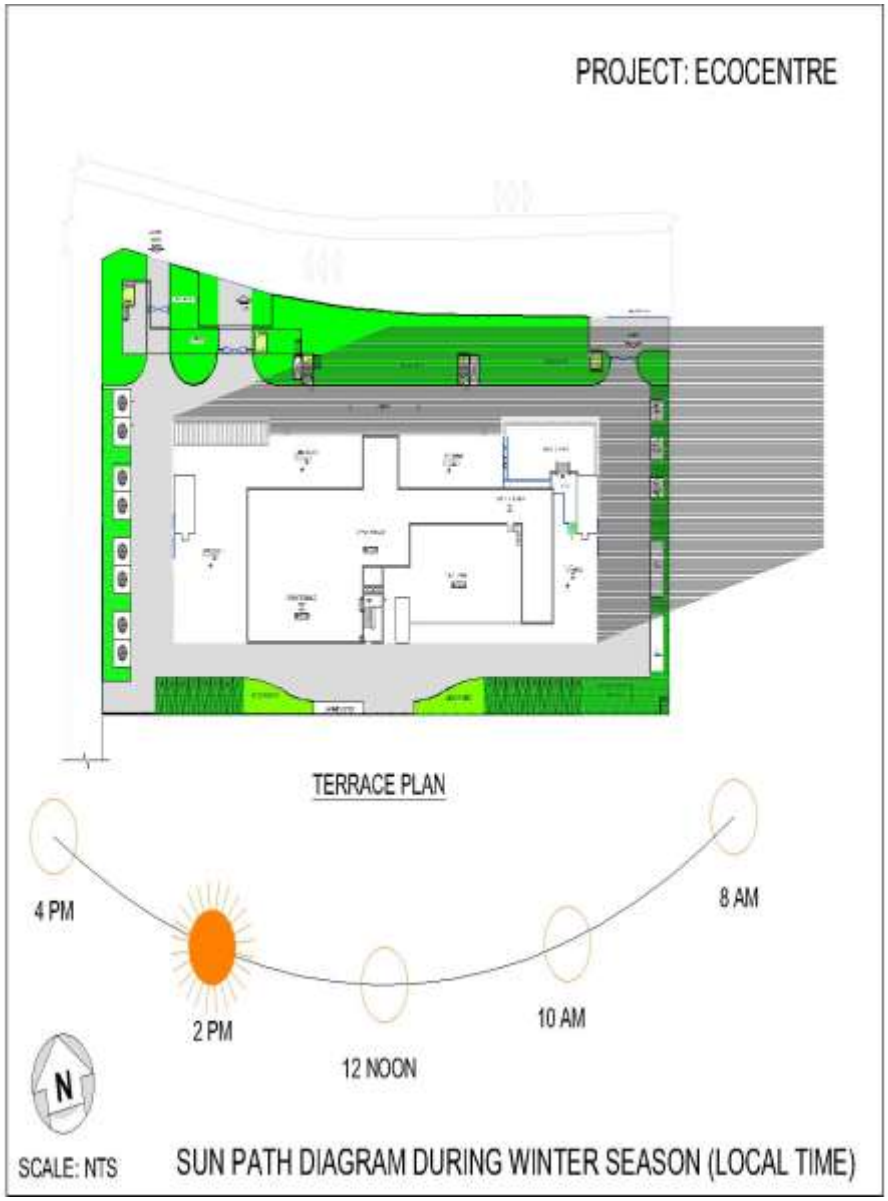
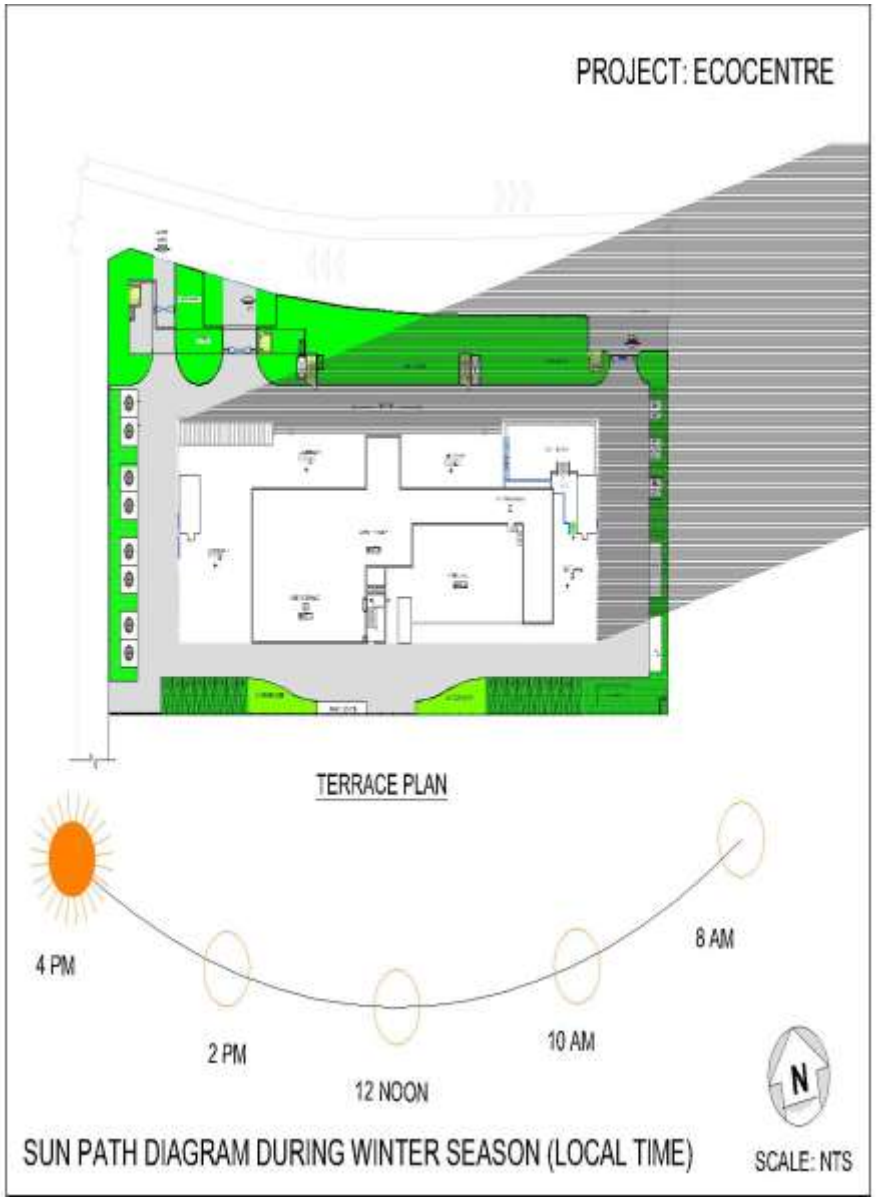
SUN PATH DIAGRAM DURING WINTER SEASON (LOCAL TIME)



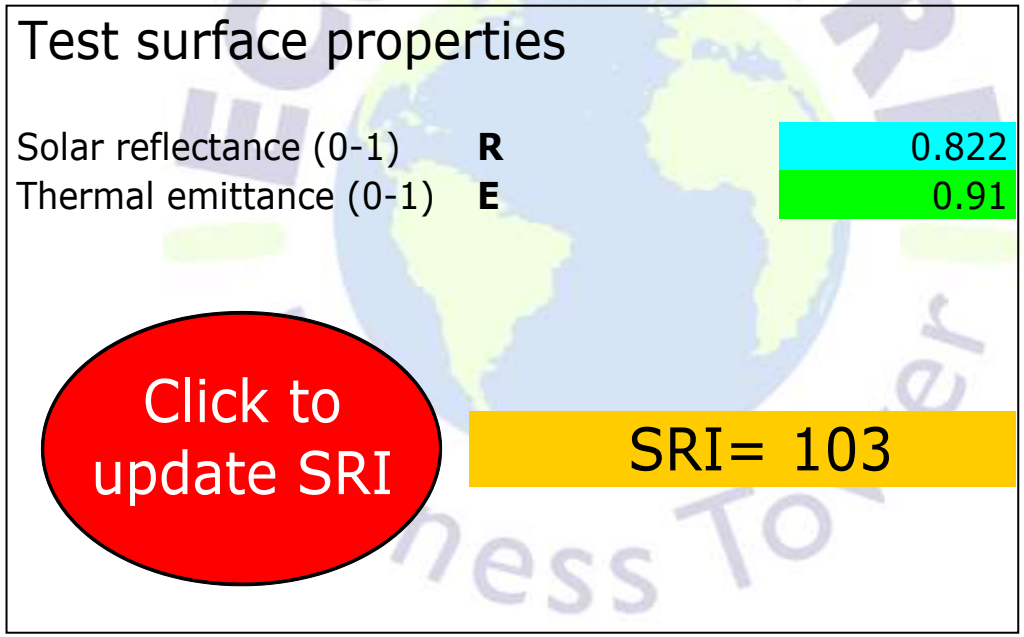


Proper insulation of roof should be provided to achieve desired thermal comfort. Use of light colored, reflective roofs having an SRI (solar reflectance index) of 50% or more should be incorporated.

The project team has proposed to utilise high SRI reflective paint over the roof area i.e. exposed to direct sunlight.

Total roof area in the project = 14698 sqft
Exposed Roof area proposed with high Albedo paint = 11079 sqft
Percentage roof area with high Albedo paint = 75.38%
Shortlisted product – GS Primer – GS 108 White (GS1080)
Emissivity = 0.91
Reflectivity = 0.822
SRI = 103

Solar Reflective Index calculation



Proper insulation of roof to be implemented to achieve desired thermal comfort.

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 to be applied on the roof top. Roof top garden will be developed 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.

Energy efficient lighting measures and water efficient system has been taken as per guideline.

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 to be installed as per norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency.

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

Double glazing provided to reduce solar heat gain.

Water body, if any, should not be lined and no embankments should be cemented. The water bodies are to be kept in natural conditions without disturbing the ecological habitat. No existing water body, if any, should be encroached / relocated / reshaped without prior permission of competent authorities.

There is no water body.

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 at least 20% of the total area. 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.

Plantation programme has been developed at least 20% of the total area as per Environmental Clearance. Landscaping and plantation will take place at site after construction over.

The proponent should plant at least 90 trees with additional 20 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.

The plantation programme will be taken as per construction schedule. 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 municipal supply.

Water requirement during construction phase coming from NDIT supply. An agreement has already been signed with the Authority.

As per the proposal submitted by the proponent wastewater shall be treated in STP.

STP will be installed at the site. STP treated water will be used for landscaping, HVAC etc.

Imperviousness of the site shall not exceed the NBC (National Building Code 2005) standards for imperviousness factor applicable to different types of area. Total paved area of site under parking, roads, paths or any other use should not exceed 25% of the site area.

Minimum 50% of paved area on site will be developed where as site under parking, roads, paths or any other use will be develop and not exceed 25% of the site area.

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.

Minimum 50% of paved area on site will be developed as pervious paving or shaded under vegetation or topped with finish with solar reflectance of 0.5 or higher.

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.

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.

Double glazing provided to reduce solar heat gain and plantation reduce heat inland effect. Albedo paint with high SRI will be applied on the roof . Plantation programme will be done in such a way that shading coefficient will increase 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). However, the proponent should not attempt for recharging of aquifer in Haldia region without prior permission room the competent authority.

Rainwater harvesting scheme has been proposed as per the SEAC guide line. Rainwater from roof-top will be collected in the rain water harvesting tanks.

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 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.

The ground water recharge pit has been developed for surface storage and sub-surface recharge as per West Bengal Ground Water resources (Management, control and Regulation) Act, 2005.

Adequate firefighting storage should be provided as per norms.

Adequate water storage for firefighting has been developed.

The proponent shall install onsite compost plant for treatment of biodegradable part of municipal solid waste.

A composting machine having 250 Kg /day capacity has been installed at demarcated area.

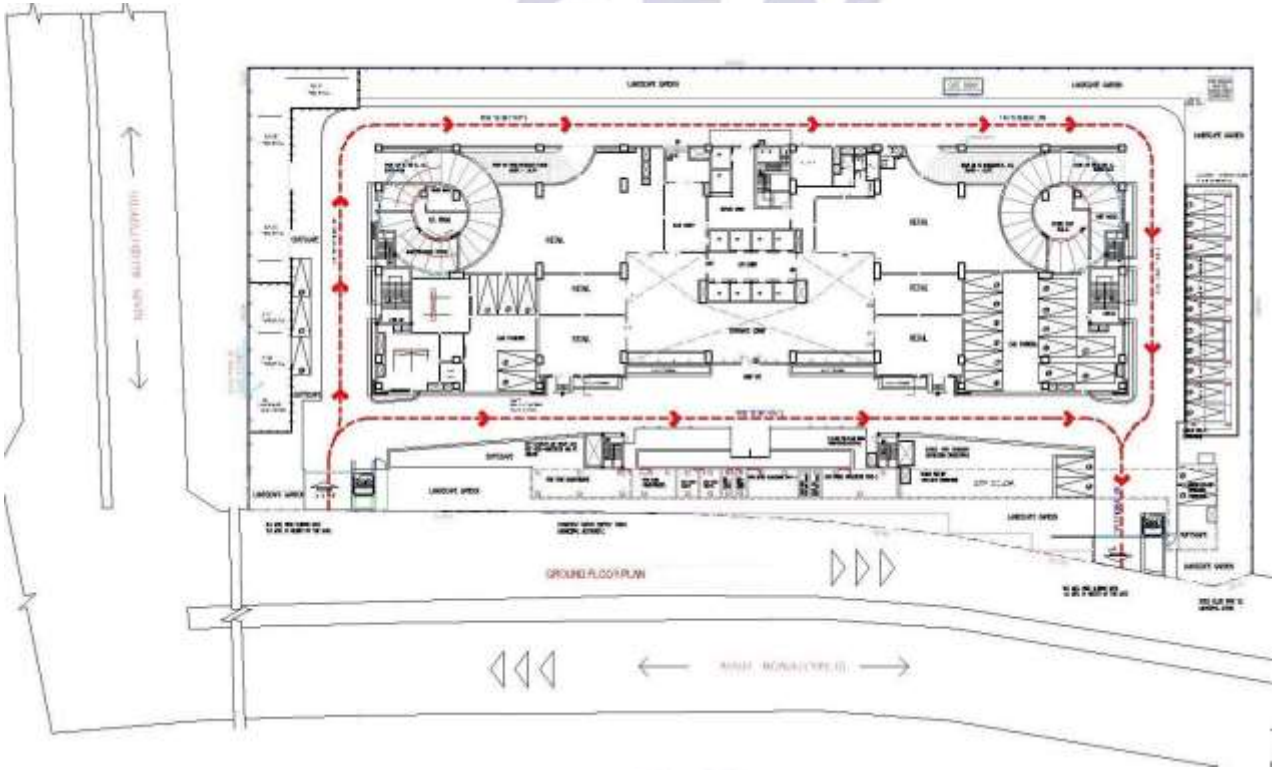
Adequate provision shall be made for storage of solid waste and adequate means of access shall be provided. Space should be kept reserved for waste storage, collection etc. in site planning and architectural designs.

There is an adequate provision for storage of solid waste. Reserved space for waste storage, collection etc. as per site planning and architectural designs has already been constructed. Solid waste will be disposed through NDITA.

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 in the project area during construction.

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.



Construction is going on. The design of service road and the entry and exit from the project area will be 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.

Provisional fire clearance has been obtained from Director of Explosives, Fire Department

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

Automatic Fire Alarm and Fire Detection and Suppression System will be installed as per norms. All mandatory system like Automatic Fire Alarm and Fire Detection and Suppression System etc have 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.

The chillers with CFC & HCFC free will be installed.

Efficient management of indoor air quality must be ensured for health and safety of the users. The HVAC&R systems should be so designed to maintain proper Indoor Air Quality.

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 duel flushing unit will be implemented

Rest room facilities should be provided for service population.

It will be applicable after completion of the project when the facility management will take charge

Provisions should be kept for the integration of solar water heating system especially in Hotel building.

It will be applicable after completion of the project when the facility management will take charge

Adequate access to fire tenders should be provided.

Adequate access to fire tenders will be constructed as per Fire Department's norms.

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

Applicable after the main construction will over.

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. The project will be abide the guideline of Energy and Water conservation
They implement the Environmental Management Plan , Corporate Social Responsibility and they will organize the awareness programme as per needs of norms.

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

Kerosene has 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 ARDL for construction workers. Necessary safety precaution is being taken during construction activity.

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

The stipulated condition for expansion from B+G+19 floor to B+G+21 floor has already been received by SEAC, WB on 18.02.2014.

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.

ARDL already received Environmental clearance by the SEIAA, West Bengal .After receiving clearance ARDL published public notice at two local newspaper English and Bengali. The validity of EC and NOC has already been extended. CTO has been applied for additional 2 floors .

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.

ARDL have all statutory clearance like 1) Provisional Fire clearance from West Bengal Fire Engineering Department, 2) Clearance from Aviation Department ,3)Clearance from BSNL

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. will be constructed after construction phase and it will be goes under maintenance ensuring by Operation and Maintenance department, which is illustrate in the Sale Agreement.

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.

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

The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.

The detailed salient features of project with monitoring reports has been displayed in display board at the site

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, Handling and Tran boundary Movement) Rules,2008, the Public Liability Insurance Act,1991, the Environment Impact Assessment Notification 2006 and their amendments.

ARDL have all statutory clearance like Environmental clearance by the SEIAA, West Bengal and provisional Fire clearance from West Bengal Fire Engineering Department along with Consent-to-Establish (NOC) obtained from WBPCB.