

## Utkarsh Sfatik Limited

“Corporate Office”

“Ecospace Business Park”, Block - 4B, 6<sup>th</sup> Floor, Premises No. IIF/11, Action Area - II, New Town, Kolkata - 700156

“Project Site”

Khata No.6, Plot No. 157,158,159,160,161,162 & 60(P),Village – Lodhipur, Tehsil – Patna Sadar, State- Bihar, District – Patna

Six Monthly Compliance Report of CITY CENTER PATNA *Period – April 2020 to September 2020*



**AmbujaNeotia**

Ref: AP / CCP/ EC/ MOEF/Compliance/04/ 20- 21

Date: 26.11.2020

To  
The Scientist "C"  
Ministry of Environment , Forests & Climate Change  
Regional Office (ECZ),  
Bungalow No. A-2, Shyamli Colony  
Ranchi-834002

Kind attention: Dr. T.H. Mahato

Dear Sir,

**Subject: Six monthly compliance reports regarding CITY CENTER PATNA at Khata No.6,Plot No. 157,158,159,160,161,162 & 60(P) ,Village – Lodhipur , Tehsil – Patna Sadar, District – Patna, Bihar for the period of October 2019 to March 2020.**

We are pleased to submit the six monthly compliance report to you of our above mentioned project "CITY CENTER PATNA" Khata No.6, Plot No. 157,158,159,160,161,162 & 60(P) ,Village – Lodhipur , Tehsil – Patna Sadar, District – Patna, Bihar

The project is under construction phase. The compliance report has been prepared against the conditioned mentioned in the Environmental clearance vide Ref No. J.12011/35/2005 –IA (CIE) and it has been already been extended upto 17.03.2021 with file no F. No. 21-40/2010-IA-III issued on 03.05.2019. The site has been duly audited by CAG Patna authority, under the direction of Ministry of Environment & Forest. Sanctioned plan has been revalidated on 04.04.2019 to extend the validity of the building pan from Patna municipality.

This year due to Covid 19 pandemic, construction work at site was kept in hold till August 2020 for the safety of the employee and workers.

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 Utkarsh Sfatik Limited**



**Anindya Pal**

Asst. General Manager – Compliance

**Enclosed: As above**



## Six Monthly Compliance Report on Environmental Clearance

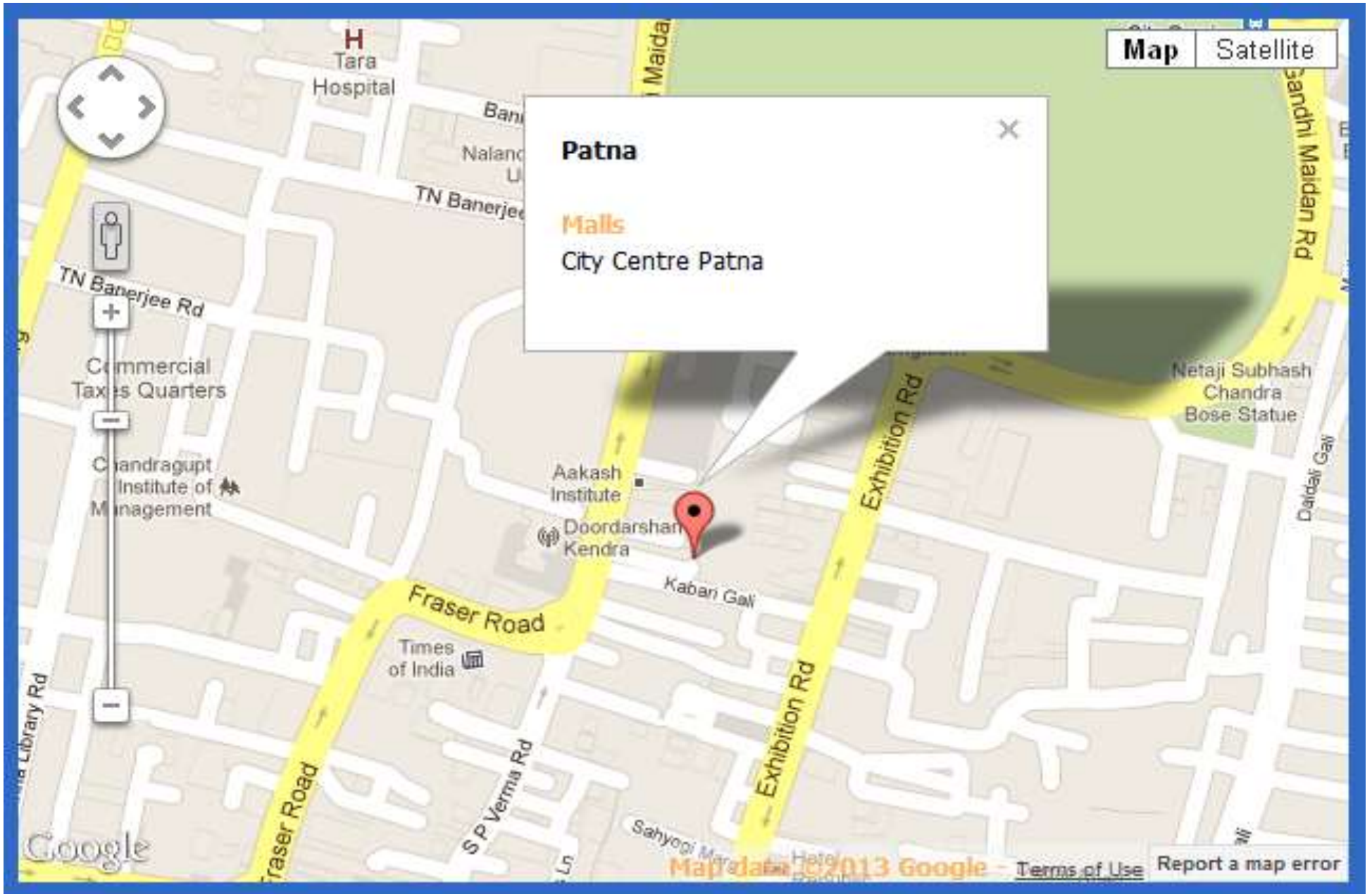
### Purpose of the Report

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

The environmental assessment is being carried out to verify:

- + That the project does not have any adverse environmental impacts in the project area and its surrounding
- + Compliance with the conditions stipulated in the Environmental Clearance Letter.
- + That the Project Management is implementing the environmental mitigation measures as suggested in the approved Form-1, Form-1A, Environmental Management Plan (EMP) and building plans.
- + The project proponent is implementing the environmental safeguards in true spirit.
- + The compliance report has been presented in this report for the 2 Residential Blocks of 17 floors each having 40 flats and 1 Commercial Block of 12 floors for Shopping Mall, Multiplex, Office & Hotel, which are under construction stage.













CONCEPTUAL VIEW OF THE PROJECT



## Utkarsh Sfatik Limited.

## Extended validity of Environment Clearance

F. No. 21-40/2010-IA-III  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA.III Section)

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 3

Date: 3<sup>rd</sup> May, 2018

To,

**Shri Pramod Ranjan Dwivedi, Director,**  
**M/s Utkarsh Sfatik Limited,**  
Ecospace Business Park, Block 4B, 6<sup>th</sup> Floor,  
Premises No. IIF/11, Action Area II, New Town,  
Kolkata - 700160.

Phone: +91 33 40406060; Fax: +91 33 40406161  
Email: anindya.pal@ambujaneotia.com

**Subject: Construction of City Center at Village Lodhipur, Tehsil Patna Sadar, Patna, Bihar by M/s Utkarsh Sfatik Limited - Extension of validity of Environmental Clearance - reg.**

Sir,

This has reference to your online proposal No. IA/BR/NCP/21117/2011 dated 28.02.2018, submitted to this Ministry for grant of extension of validity of Environmental Clearance in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of extension of validity environmental clearance to the project 'Construction of city Center at Village Lodhipur, Tehsil Patna Sadar, Patna, Bihar by M/s Utkarsh Sfatik Limited', was considered by the Expert Appraisal Committee (Infra-2) in its 29<sup>th</sup> meeting held on 20<sup>th</sup> March, 2018. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:-

- (i) The proposal is for Validity Extension of existing EC No. 21-40/2010-IA.III dated 18.03.2011. Construction is under process / going on.
- (ii) Total plot area of the project is 30,432.3 sqm, FSI area of the project is 73,636.35 sqm and total construction area of 73,636.35 sqm. The project will comprise of One Commercial block, multiplex, hotel offices, two residential blocks Buildings. Total 127 flats shall be developed. Maximum height of the building is 60 m.
- (iii) During construction phase, total water requirement is expected to be 40 KLD which will be met by existing PMC supply. During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labour force.
- (iv) During operational phase, total water demand of the project is expected to be 565 KLD and the same will be met by the PMC supply and Bore well. Recycled Water. Wastewater generated (225 KLD) uses will be treated in MBR STPs of total 450 KLD capacity 225 KLD of treated wastewater will be recycled and used for flushing and gardening). About 200 KLD will be disposed in to municipal drain.
- (v) About 2.58 TPD solid wastes will be generated in the project. The biodegradable waste (1.5 TPD) will be processed in OWC and the non-biodegradable waste

Proposal No. IA/BR/NCP/21117/2011

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generated (1.08 TPD) will be handed over to authorized local vendor.

- (vi) The total power requirement during construction phase is 8452 KVA and will be met from 8452 KVA. South Bihar Power Development Company Ltd. and total power requirement during cooperation phase is 150 KVA and will be met from 8452 KVA. South Bihar Power Development Company Ltd.
- (vii) Rooftop rainwater of buildings will be collected in two RWH tanks of total 6081.24 KLD capacity for harvesting after filtration.
- (viii) Investment/Cost of the project is Rs. 173.5 Crores.
- (ix) Employment potential: During construction 100 labour and 40 professionals will be directly benefited and during operation minimum 1000 employment opportunity will be created.
- (x) Benefits of the project: This project is comprising of Commercial mall, hotel, offices and residential apartments. This project will bring an opportunity for new business, will provide residential facility and employments.

3. The EAC, in its meeting held on 20<sup>th</sup> March, 2018 noted that the Environmental Clearance granted to the project by MoEFCC vide letter No. 21-40/2010-IA.III dated 18.03.2011 was valid up to 17.03.2018. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Extension of the validity of Environmental Clearance dated 18.03.2011 for 3 more years i.e. from 18.03.2018 to 17.03.2021 with following additional conditions:

- (i) There shall be no changes in the nature and configuration of the Project/Activity as mentioned in the E.C. earlier issued to the project vide No. 21-40/2010-IA.III dated 18.03.2011.
- (ii) A detailed report on compliance to ECBC norms.
- (iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 02 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 02 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (iv) The Certificate/permission of the CGWA for abstraction of ground water and for basement/excavation dewatering if any shall be obtained and submitted along with compliance report.
- (v) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W, generated from project shall be obtained and submitted along with compliance report.

Proposal No. IA/BR/NCP/21117/2011

Page 2 of 3

4. All other terms and conditions mentioned in this Ministry's EC letter no. No. 21-40/2010-IA.III dated 18.03.2011 shall remain the same.

5. This issues with the approval of the Competent Authority.

  
(Kushal Vashist)  
Director

**Copy to:**

- 1) The Principal Secretary, Environment and Forest Department, Government of Bihar, Secretariat, Patna-800015.
- 2) Addl. Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Regional Office (ECZ, Bungalow No. A-2, Shyamali Colony, Ranchi-834002.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) Member Secretary, Bihar Pollution Control Board, Bihar State Pollution Control Board, Parivesh Bhawan, Plot No. NS-B/2 Paliputra Industrial Area, Patliputra, Patna (Bihar) - 800 023, E-MAIL - bspcb@yahoo.com.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhawan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.
- 7) MoEF&CC website.

  
(Kushal Vashist)  
Director



No. 21-40/2010-IA.III  
Government of India  
Ministry of Environment & Forests  
(IA.III Division)

Paryavaran Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi-110 003.

Dated: 18<sup>th</sup> March, 2011

To,  
The Managing Director  
M/s. Utkarsh Sfatik Ltd  
Marwari Awas Griha Compound  
Fraser Road  
Patna - 800 001 (Bihar)

Subject: - Environmental Clearance for construction of City Centre at Patna, Bihar by M/s. Utkarsh Sfatik Ltd - regarding

Sir,

This has reference to your application No. USL/EC/10-11 dated 31.7.2010 and subsequent letters 8.1.2011 and 20.1.2011 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the lights of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form 1, IA, Environmental Management Plan and Conceptual Plan and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 30<sup>th</sup> November -1<sup>st</sup> -2<sup>nd</sup> December, 2010 & 18-20<sup>th</sup> January, 2011 and recommended environmental clearance for the project.

2. It is, inter-alia, noted that the project involves the construction of city centre (shopping mall, multiplex, office, hotel & residential apartments) on a plot area is 30, 432.3 sq.m. The total built-up area proposed is 73,636.35 sq. m. It is proposed to construct 1 commercial block of 12 floors for shopping mall, multiplex, office & hotel and 2 residential blocks of 17 floors each having 40 flats. The total water requirement is 565 KLD (Fresh water requirement is 340 KLD and treated water 225 KLD). The capacity of STP proposed is 450 KLD. The Treated waste water to be used for flushing of toilets 127.6 KLD, cooling tower 45 KLD and for greenbelt 50 KLD. Total solid waste generation will be 2583 kg/day. The power requirement is 8482 KVA. The total parking proposed for 514 ECS (407 ECS in basement + silt; 107 open parking). Total cost of the project is Rs 173.5 Crore.

3. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environmental Clearance for the project mentioned above. Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above



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FRIDAY 18/03/11

09:22:00 AM 18/03/11 05:00:00

project as per the provisions of Environmental Impact Assessment Notification- 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

#### PART A - SPECIFIC CONDITIONS

##### I. Construction Phase

- (i) "Consent for Establishment" shall be obtained from Bihar State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- (ii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (iii) A First Aid Room will be provided in the project both during construction and operation of the project.
- (iv) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- (v) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (vi) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (vii) Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
- (viii) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Bihar State Pollution Control Board.
- (ix) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.





- (x) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- (xi) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xii) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ BSPCB.
- (xiii) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003.
- (xiv) Ready mixed concrete must be used in building construction.
- (xv) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xvi) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xvii) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.
- (xviii) Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
- (xix) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (xx) Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxi) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.
- (xxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all airconditioned spaces while it is aspirational for non-

airconditioned spaces by use of appropriate thermal insulation material to fulfil requirement.

- (xxiii) The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightning etc.
- (xxiv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

## II. Operation Phase

- i) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralised treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Bihar State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.
- ii) The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- iii) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Bihar State Pollution Control Board.
- iv) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.



- v) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
- vi) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- vii) Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
- viii) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- ix) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- x) A Report on the energy conservation measures confirming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.
- xi) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
- xii) Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
- xiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

#### PART - B. GENERAL CONDITIONS

- i) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

4. Officials from the Regional Office of MOEF, Shillong who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bhubaneswar

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

6. The Ministry 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.

7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

8. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

9. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Assam Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhubaneswar.

10. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

11. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

12. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be




Utkarsh Sfatik Limited.

monitored and displayed at a convenient location near the main gate of the company in the public domain.


13. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

Yours faithfully

  
(Bharat Bhushan)  
Director (IA)

**Copy to:**

- (1) The Secretary, Deptt. of Environment & Forests , Government of Bihar, Sachivalaya, Patna- 800 001
- (2) Member Secretary, Bihar State Pollution Control Board, Beltron Bhawan, Shashtri Nagar, Patna - 800 001
- (3) The Regional Office, Ministry of Environment & Forests, Bhubaneswar
- (4) IA - Division, Monitoring Cell, MOEF, New Delhi - 110003.
- (5) Guard file.

  
(Bharat Bhushan)  
Director (IA)  
18.03.2011





## बिहार राज्य प्रदूषण नियंत्रण पर्षद्

परिवेश भवन, एन.एस.सी.-2, पाटलीपुत्र औद्योगिक क्षेत्र,  
पाटलीपुत्र, पटना-800 010

पत्रांक:- 2758

पटना, दिनांक :- 11.6.18

प्रेषक,

आलोक कुमार, भा(0)से0  
सदस्य सचिव

सेवा में,

सर्वश्री उत्कर्ष स्फटिक लि0  
ग्राम-लोदीपुर, पटना सदर  
जिला-पटना-800001

विषय: अनापत्ति प्रमाण पत्र का अवधि विस्तार के संबंध में।

महाशय,

उपरोक्त विषयक आपके ऑन-लाईन आवेदन संख्या-1405836, दिनांक 16.03.2018 के क्रम में पर्षद के पत्रांक टी-3040, दिनांक 07.04.2017 द्वारा निर्गत अनापत्ति प्रमाण पत्र का अवधि पत्र निर्गत तिथि से 2 साल के लिए विस्तार की जाती है। अनापत्ति प्रमाण पत्र में अंकित शर्तें पूर्ववत् रहेगी।


विरासभाजन

(आलोक कुमार)

सदस्य सचिव

**Utkarsh Sfatik Limited.**  
**Revalidate of Sanctioned Plan**

**पटना नगर निगम**  
بلدية میونسپل کارپوریشن  
**PATNA MUNICIPAL CORPORATION**



**पटना कारपोरेशन**  
CITY OF PATNA

Letter No./परिचय: 4227  
Date/दिनांक: 05/07/2019

सेवा से,

शुभम रफाटिक लिटो,  
निदेशक- श्री सरपंच कृष्ण कनीदिया,  
गा- लोदीपुर, बुद्धमार्ग,  
जिला- पटना, बिहार

विषय :- प्लान नंबर 80-P-Arara (Lodipur)-PCN-G+17/306/2018 की स्वीकृति के संबंध में।

महोदय,

आपको आवेदन योजना-P-Arara(Lodipur)-PCN-G+17/306/2018 दिनांक 29.08.2018 के संदर्भ में उत्कर्ष स्फाटिक लिटो, गा- लोदीपुर, बुद्धमार्ग, जिला- पटना, बिहार के लिए भवन निर्माण के लिए पटना नगर निगम/ बिहार शहरी आवेदन कर्ता विकास अधिनियम, 2012 के अधीन प्रस्तावित..... विकास योजना / आवेदन प्रतिकार/ आवेदन स्वीकृति के ..... निर्दिष्ट सर्वे प्लॉट नं-157,158,159,160,161,162,60(P), खाता नं-06, शीट नं-0-679, होस्टिंग नं-223/201/224/202/225/203, नैस-अर्द्ध, घना नं-20, पटना के बाबत निर्माण/संशोधन शर्तों/ शर्तों के अध्याधीन एरर द्वारा अनुमति प्रदान की जाती है।

(क) भूमि/ भवन का उपयोग अन्य रूप में व्यवसायिक प्रयोजन के लिए किया जाएगा और इस प्रतिकार के पूर्व अनुमति के बिना उपयोग को किसी अन्य उपयोग के लिए परिवर्तित नहीं किया जाएगा।

(ख) विकास पूर्ण रूप से आवश्यक अनुमति के पूर्णकरण के साथ संलग्न योजनाओं के अनुसार किया जाएगा।

(ग) अनुमोदित योजना में दर्शाया गया 4222.00 वर्ग मीटर का चर्चित स्थान खुला रखा जाएगा और इसके किसी भाग पर निर्माण नहीं किया जाएगा।

(घ) प्रस्तावित निर्माण वाली भूमि 19.95 मीटर से 21.25 चौड़ाई के अनुमोदित पहचान मार्ग के माध्यम से सुगम होगी।

(ङ) प्रथमतः भूमि आवेदन के विधिपूर्व स्वामित्व एवं शांतिपूर्ण कब्जा में अवरुध हो।

(च) सड़क को मानक चौड़ाई तक और चौड़ी करने के लिए आवेदन, निर्माण विकास योजना/आवेदन प्रतिकार/बिहार शहरी आवेदन कर्ता विकास अधिनियम, 2012 के अधीन अधिनियमित किसी योजना स्वीकृति के अधीन अध्याधीन सुलेख आवेदन प्रतिकार/ग्राम पंचायत क्षेत्रों में अधीनस्थ पटना नगर निगम को 828.801 वर्ग मीटर चौड़ी भूमि की पट्टी मुफ्त उपहार के रूप में देगा।

(छ) अनुमति (अनुमति) जारी किये जाने की तारीख से तीन वर्षों की अवधि के लिए विधिबद्ध होगी।

(ज) इस उपबंध के अधीन से भूमी अनुमति को आ भूखण्ड, जिसके लिए योजना अनुमोदित की गयी है, के अधिकार, हक, हित को बाध साधन नहीं माने जाएगी।

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(झ) योजना के अनुमोदन के पश्चात् भू-अधिकार के कारण या अधिकार/हक/हित को बाध कोई विवाद होने पर विवाद की अवधि के दौरान योजना या अनुमोदन स्वतः रद्द समझी जाएगी।


(ञ) भू-स्वामित्व एवं पेशवा से संबंधित समस्त दस्तावेजों/कागजात के सत्यापन को विधेयकारी आवेदन को हे।भविष्य में इसमें किसी प्रकार की सुवि/ हेर-फेर/अनुमोदन रचना पाये जाने पर नकारा अस्वीकृत किये जाने के साथ आवेदन के विरुद्ध विधि सम्मत कार्रवाई की जाएगी।

(ट) भवन का निर्माण स्विकृत पत्रों के अनुरूप ही किये जावे, भविष्य में किसी भी प्रकार के अनियमित/विचलन पाये जाने की स्थिति में सम्पूर्ण विकासकर्ता आवेदन को हटाने एवं विधि सम्मत कार्रवाई के पात्र होगा।

(ड) Environmental Protection Act. के तहत अनुमोदित भवन के निर्माण के दौरान एक बार निर्माण किया जाना अनिवार्य होगा।

(ढ) ठोस अपशिष्ट प्रबंधन नियम (Solid Waste Management Rules), 2016 का अनुपालन किया जाना।

(ण) शून्य-परिचय का प्रावधान बिहार भवन उप-विधि, 2014 के कंडिशन-32 के अनुरूप निर्माण परिसर में किया जाना अनिवार्य होगा।

विकासभाजन,  
  
 उप निदेशक,  
 शहरी योजना,  
 पटना नगर निगम, पटना।

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## Utkarsh Sfatik Limited.

## DETAIL FEATURES OF PROJECT

DETAIL FEATURES OF PROJECT	
<b>Project Name</b>	<b>CITY CENTRE PATNA</b>
Project type	Building and Construction project under Sl. No 8(a) Category "B".
<u>Locations :</u>	Khata No.6, Plot No. 157,158,159,160,161,162 & 60(P) Village – Lodhipur Tehsil – Patna Sadar
District(s)	District – Patna
State(s)	State- Bihar
Latitudes/ Longitudes	Latitudes / longitudes : N25° 37' 3.36" E85° 08'11.04
EC No.	21-40/2010-IA.III
Date of issuance	18/03/2011
Extended EC No.	F.No. 21-40/2010-IA.III
Date of issuance	03.05.2018
Date of Expiry of EC	17.03.2021
Consent to Establish (NOC) No.	3883
Vide Memo No.	T.3883
Date of issuance	01/04/2011
Extended NOC No.	PT (NOC)-700/11-T.2756 dated 11.06.2018
Recent Extended NOC Validity	Three Years
DG NOC for 3x 125 KVA DG & 1x 15 KVA DG for construction period	PT(NOC) -700/11-T-10558
Date of issuance	14/10/2015
Land area	30,432.3 sqm
Built up area / FSI area ( above the Ground)	73,636.35 sqm
Address of correspondence :	<b>Correspondence address</b> M/S Utkarsh Safatik Limited Ecospace Business Park Plot No IIF/11 Action Area II Block 4B Rajarhat ,New Town Kolkata 700156 Phone: 033 40406060 Fax : 033 40406161
Address of concerned project Chief Engineer	<b>Mr. Ranapratap Singh</b> Khata No.6, Plot No. 157,158,159,160,161,162 & 60(P) Village – Lodhipur Tehsil – Patna Sadar District – Patna

## Utkarsh Sfatik Limited.

Address of Executive Project Engineer/ Manager Environment	State- Bihar <b>Mr. Anindya Pal</b> Asst. General Manager – Compliance
Total water requirement	565 KLD
Fresh water requirement	340 KLD
Waste water generated	225 KLD (to be reused after treated in STP)
Solid waste disposal	2583 kg/Day
Backup power requirement	8452 KVA
Nature of Project	Building and Construction project
Salient features of the Project	2 Residential Blocks of 17 floors each having 40 flats and 1 Commercial Block of 12 floors for Shopping Mall, Multiplex, Office & Hotel.
<u>Breakup of the Project areas:</u> a) Submergence area (forest & non-forest). b) Others	Not applicable
Break up of Project affected population, with enumeration of those losing housing/dwelling units only, agricultural land and land less laborers/artisans. a) AS,ST/ Adivasis b) Others	Not applicable
<u>Forest land requirement :</u> a) The status of approval for a diversion of forest land for non-forestry use. b) The status of compensatory afforestation, if any. c) The status of clear felling Comments on the visibility & sustainability of compensatory afforestation programme in the light of actual field experience so far.	Not applicable
The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads,) if any, with quantitative information.	Not applicable
Construction Status	<b>Project under Construction.</b>



**Construction Phase**

Specific Conditions of EC	Status of Implementation
1) "Consent to Establishment" shall be obtained from Bihar State Pollution Control Board under Air and Water Act and a copy shall be submitted to the ministry before start of any construction work at the site.	Consent to Establish (NOC) from Bihar Pollution Control Board has been obtained on 01/04/2011 vide NOC Number 3883 against the Memo Number T3883. The Extended NOC No. PT (NOC)-700/11-T.2756 dated 11.06.2018. Validity -three years.
2) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking ,mobile toilets, mobile STP ,safe drinking water, medical health care ,crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project	Worker's welfare facilities like arrangement of drinking water, proper sanitation system, dining facility, assembly, day rest room, etc have been provided at site. Provision of Kerosene for cooking, temporary Labour hutment, safe waste water disposal solid, waste management, separate septic tank and medical health care facility have also been provided to labourers during construction phase.
3) A First Aid Room will be provided in the project both during construction and operation of the project.	A First Aid Room has been provided in the project site at the construction phase. A separate provision of first aid room will be allocated in the project for operational phase.
4) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Excavated topsoil stored for use in Back filling and Landscape development within the project site.
5) Disposal of muck during construction phase should not create any adverse effects on the neighboring communities and be disposed taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	The excavated material including muck and demolition debris during construction phase does not create any adverse effects on the neighboring communities. These are properly handled and disposed off with necessary precautions for general safety and health aspects.
6) Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.	Soil and ground water samples has already been tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.
7) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they do not leach into the ground water.	Construction spoils including bituminous material and other hazardous materials are not allowed to contaminate watercourses. Dumpsite inside the project boundary for such material is protected by secondary containments to check the contamination and leaching.
8) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Bihar State Pollution Control Board	No hazardous waste will be generated during construction phase
9) The diesel generator sets used during construction phase should be enclosed type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	The diesel generator sets used during construction phase has been installed as enclosed type and it conform to Environment (Protection) Rules prescribed for air and noise emission standards.
	Consent to Establishment" for DG sets are being used during construction phase having the capacity of 30 KVA and 100 KVA as an emergency backup power has been applied to Bihar Pollution Control Board on 18.09.2012. The NOC of DG for construction phase have been issued by BPCB vide Ref No. P/T (NOC)702/11 and T-17537 dt.21.11.12 and revised

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	on 14/05/2013 with vide Ref No Number PT-(NOC)-700/11-T.5120. Recent Extended NOC No. T - 17537. Validity -30.08.2015. . The Extended NOC No. PT (NOC)-700/11-T.2756 dated 11.06.2018. Validity -three years.
10) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken	Not applicable now. The project is under Construction. Diesel will be stored in the inside inbuilt DYA Tank of DG sets. The capacity of day tank is 990 liters which is below the threshold limit of explosive license.
11) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peaking hours.	Condition of Vehicles and construction equipment are regularly checked as per air and noise emission standards. Pollution certificate of vehicle has been checked at the entry point of the project site
12) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standers by CPCB / BSPCB.	Ambient noise levels has been checked as per residential standards both during day and night by the NABL accredited and WBPCB recognized laboratory in regular intervals.
13) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September , 1999 & amended as on 27th August, 2003	Blended cement with fly ash and fly ash bricks will be used as per Fly Ash notification of September, 1999 & amended as on 27th August, 2003. Fly Ash bricks will be used in landscaping work. Only PPC cement will be used which is blended with 25% of fly ash (max).
14) Ready-Mix concrete must be used in building construction.	Ready-Mix concrete are being used for this project.
15) Storm water control & its re-use as per CGWB & BIS standers for various applications	Adequate storm water drainage network will be developed as per design of project without disturbing the surrounding settlements as CGWB & BIS standers for various applications
16) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and best practices referred	Water has been reused for pre-mixed concrete during construction.
17) Permission to draw ground water shall be obtained from the competent Authority prior to construction / operation of the project	Permission from Central Ground water board has been accorded.
18) Separation of grey & black water should be done by the use of dual plumbing line for separation of grey and black water	Dual flushing system will be installed where separation of grey & black water will be use of dual plumbing line for separation of grey and black water.
19) Fixture of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control	Fixture of showers, toilet flushing will be implemented as per construction schedule.
20) Use of glass may be reduced by up-to 40 % to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	High quality double glass etc will be developed as per construction schedule.
21) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	High Albedo paint with 78 SRI to be applied on the roof top as per Energy Conservation Building Code with using appropriate thermal insulation material to fulfill requirement



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<p>22) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non- air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement</p>	<p>Following performance mandates shall be considered to choose the right glass for a successful envelope design: Thermal performance Acoustical Performance Visual Performance</p>
<p>23) The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake , adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.</p>	<p>Structural design has been developed by the authorized structural designer for confirming and fulfill the structural safety of the buildings due to earthquake , adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.</p>
<p>24) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.</p>	<p>Regular supervision has been done by the execution team in coordination with Environmental Division and Planning Department.</p>

**Operation phase will be applicable after the construction phase is over**

**Operational Phase**

Conditions	Status of Implementation
<p>1) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert' and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100 grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Bihar State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.</p>	<p>Sewage Treatment Plant will be installed. It will be zero discharge unit as per design.</p>
<p>2) The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the, approved sites for land filling after recovering recyclable material.</p>	<p>The generated solid waste will be collected from point source segregation manner. It will be collected in different bins House hold and users will dispose off their municipal solid waste in separate bins. Finally Installation will be done of mechanical composting machine for handling the biodegradable solid waste , converting it to bio fertilizer or manure</p>
<p>3) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided within consultation with Bihar State Pollution Control Board.</p>	<p>Operational DG sets will be installed as per plan</p>

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4) Noise should be controlled to ensure, that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	It will be maintained.
5) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	Not applicable now. Project is under Construction.
6) Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	A proper drainage system will be developed during infrastructure development. The drain will be connected in turns with the municipal drainage connection/ channel which is just behind the project site.
7) Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater, recharging, should, be kept at least 5 mts. above the highest ground water table.	Rainwater harvesting has been designed. Roof top collection will be treated in tertiary filter and then will be sent for collection chamber and recharge pit.
8) The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	It will be monitored regular basis
9) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Distance of 16.84 meter from the front boundary of the project has been kept open for the traffic movement and to avoid any traffic congestion during the operation of the project.  The service road / holding bay in front of proposed development shall hold the moving traffic coming to the location and halt their for loading-unloading without causing any congestion on the existing city road.  Sufficient number of parking provision have been kept covering the local municipality law and NBC.
10) A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.	Energy Efficient lighting system ,building materials & technology will be installed as per Energy Design
11) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TPLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	As per the electrical design CFL/ LED light will be utilized to reduce the load. COP of HVAC > 6.2 which will also reduce the energy load.
12) Adequate measures should be taken to prevent odour problem from solid waste processing plant	STP will be installed at service area. Oder protection measures will



and STP.	be considered during finalizing design.
13) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Plan has been designed in such a way that natural day light lightning the whole internal area and natural air ventilation will be taken place.

General Conditions	Status of Implementation
1) The project proponent shall also submit six monthly reports on the status of compliance, of the stipulated BC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	The project is under Construction phase. April 15 to September 15 has already been submitted and It has already uploaded in MoEF web site.
2 ) In the case of any change(s) in the scope of the project, the project would require a & fresh appraisal by this Ministry	There is no change in the project at present.
3 ) The Ministry 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.	-
4) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	<ul style="list-style-type: none"> <li>• Sanctioning of Plans has been obtained on 19.01.11</li> <li>• Clearance from State Fire Services Department on 20.10.10</li> <li>• Microwave clearance from BSNL on 13.10.10</li> <li>• Clearance from Aviation Authority on 12.11.10</li> <li>• Permission for construction electricity on 19.7.12</li> <li>• Clearance from Groundwater Board for Tube Well on 18.4.11</li> </ul>
6) These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Consent to establish has been taken form Bihar Pollution control Board Vide NO No. 3883 Emission Consent order during Construction period for 3X 125 KVA DG & 1X 15 KVA DG has also been taken.
7) The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Assam Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhubaneswar.	Public notice has been published in two local newspaper one English and other in Hindi language.
8) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this	-

project.	
9) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad /Municipal Corporation, Urban Local Body and the Local NGO if any, from whom suggestions/ representations if any were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	A copy of the clearance has been forwarded to the Bihar Municipality.
10) The proponent shall upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The results of monitoring for the period of January 2019 – March 2019 has already been conducted. Summary of the monitoring result has been furnished in the report.

**Compliance status report will be available at the website: [www.ambujaneotia.com](http://www.ambujaneotia.com)**

**CONSTRUCTION STAGE OF PROJECT**











**Specific Conditions****Construction Phase**

“Consent to Establishment” shall be obtained from Bihar State Pollution Control Board under Air and Water Act and a copy shall be submitted to the ministry before start of any construction work at the site.

Consent to Establish (NOC) from Bihar Pollution Control Board has been obtained on 01/04/2011 vide NOC Number 3883 against the Memo Number T3883. The Extended NOC No. PT (NOC)-700/11-T.5462 dated 23.06.2014. Validity -31.12.2016. The Extended NOC No. PT (NOC)-700/11-T.2756 dated 11.06.2018. Validity -three years.

Provision shall be made for the housing of construction labour with in the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care; crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project



Worker’s welfare facilities like arrangement of drinking water, proper sanitation system, dining facility, assembly, day rest room, etc have been provided at site. Provision of Kerosene for cooking, temporary Labour hutment, safe waste water disposal solid, waste management, separate septic tank and medical health care facility have also been provided to labourers during construction phase. Provision of drinking water has been made available at labour camp. Drinking water quality is periodically tested by NABL accredited laboratory as per IS 10500 code for the workers camp and also being under maintained for the labours. Waste water disposal system has already been developed for workers. Proper maintenance has been carried out by the project proponent. Solid waste management has been implemented for the site and also for the labour camps. Pest control activity also takes place at site and labour camp.

A First Aid Room will be provided in the project both during construction and operation of the project.



### **FIRST AID ROOM**

Safety, Health and Environment is given utmost importance in C C Patna project site. 100% compliance of personal protective equipment, training and regular pep talks are salient highlights of the project. Regular medical check-ups are also conducted to test the general health of the workers. Quarterly safety audits are conducted and the results are shared with the Top management.





### ASSEMBLY POINT

A First Aid Room and Assembly point has been provided in the project site at the construction phase. A separate provision of first aid room will be allocated in the project for operational phase. The first aid room is equipped with first aid facility. If any accident occurs necessary first aid can be provided to the injured.

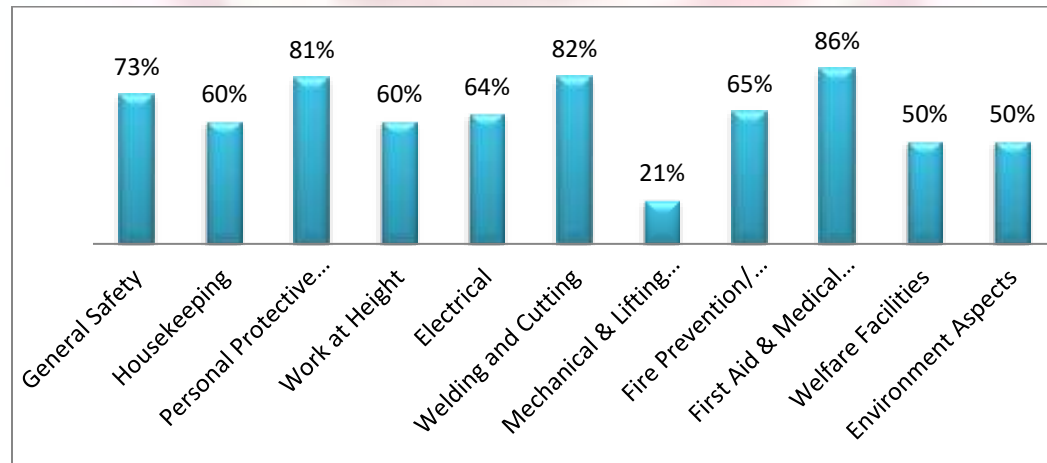




**Status of Housekeeping**



**Patna- Safe approach**



All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.





Excavated topsoil is stored for use in Back filling and Landscape development within the project site. Excavated soil are stored with proper cover in separate place at site for future use.

Disposal of muck during construction phase should not create any adverse effects on the neighboring communities and be disposed taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.



**Utkarsh Sfatik Limited.**

The muck generated during construction phase is being channelized to a treatment unit to avoid adverse effects on the neighboring communities. These are properly handled and disposed off with necessary precautions for general safety and health aspects. The runoff channel is connected to a steel vat which has been installed for treatment of waste bentonite before disposal.

**Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.**

Soil and ground water samples has already been tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.

**Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they do not leach into the ground water.**

Construction spoils including bituminous material and other hazardous materials are not allowed to contaminate watercourses. Dumpsite inside the project boundary for such material is protected by secondary containments to check the contamination and leaching.

**Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Bihar State Pollution Control Board**

No hazardous waste generated during construction phase

**The diesel generator sets used during construction phase should be enclosed type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.**





**Utkarsh Sfatik Limited.**

The diesel generator sets used during construction phase has been installed as enclosed type and it conform to Environment (Protection) Rules prescribed for air and noise emission standards.

Emission Consent order during Construction period for DG sets having the capacity of 30 KVA and 100 KVA as an emergency backup power has been issued by BPCB vide Ref No. P/T(NOC)702/11 and T-17537 dt.21.11.12 . The extended NOC validity 31.08.2015. The Extended DG NOC No. PT(NOC) -700/11-T-10558 issued on 14/10/2015. Validity - 30/09/2018. Extended NOC Validity upto 3 years from the date of issuance

All DG sets are having inbuilt acoustic enclosure as per CPCB norms. Stack gas has been monitored periodically by NABL accredited and PCB recognized laboratory as per E (P) Rules prescribed for air and noise emission standards.

The source emission monitoring have minimum requirement of a stack monitoring equipment. There are some mandatory specification as per CPCB norms . The parameters are : Flue Gas Temperature (OC) , Barometric Pressure (mm of Hg.), Velocity of Gas flow (m/s), Quantity of Gas flow (Nms/hr.), Concentration ofSO<sub>2</sub> (mg/Nm<sup>3</sup>), Concentration ofCO<sub>2</sub> %(V/V), Concentration of CO %(V/V), Concentration of Particulate Matter(mg/Nm<sup>3</sup>)

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

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

### The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken

Diesel is stored in the inbuilt day tank of DG sets. The threshold limit of stored Diesel is much lower than the requirement of explosive license.

### Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peaking hours.

Condition of Vehicles and construction equipments are regularly checked as per air and noise emission standards. Pollution certificate of vehicle is being checked at the entry point of the project site.

### Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standers by CPCB / BSPCB.

Ambient air levels have been checked as per residential standards both during day and night by the NABL accredited and WBPCB recognized laboratory in regular intervals. Ambient air quality monitoring has been carried out at four locations. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The locations of the ambient air quality monitoring stations are: (a) Near Chinakoti Site gate, (b) Near Main gate, (c) West side of the project, (d) North side of the project.

Ambient air quality monitoring was conducted in respect of the following parameters:

- 1) Particulate Matter 2.5 (PM2.5)
- 2) Particulate Matter 10 (PM10)
- 3) Sulphur Dioxide (SO<sub>2</sub>)
- 4) Oxides of Nitrogen (NO<sub>x</sub>)

The duration of sampling of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub> was 24 hourly continuous sampling per day. The monitoring was conducted for one day at each location. This is to allow a comparison with the National Ambient Air Quality Standards. The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring with in minimum detectable levels. Fine Particulate Sampler APM 550 instruments have been used for monitoring Particulate Matter 2.5 (PM<sub>2.5</sub> i.e. <2.5 microns), and Respirable Dust Sampler APM 450 was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO<sub>2</sub>, and NO<sub>x</sub>.

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site & project boundary due to various construction allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at 6 locations inside the boundary of the project site.

Noise levels were measured using integrated sound level meter manufactured by Quest Technologies. The integrating sound level meter is an integrating/ logging type with Octaves filter attachment with frequency range of 31.5 to 16000 Hz. This instrument is capable of measuring the Sound Pressure Level (SPL), Leq and octave band frequency analysis. Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 0030 hrs to 0030 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Lday (L<sub>d</sub>), Lnight (L<sub>n</sub>) and Ldn values were computed using corresponding hourly Leq. Monitoring was carried out at 'A' response and fast mode. Ambient air quality and noise levels monitoring report attached herewith.

### [Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September , 1999 & amended as on 27th August, 2003](#)

Blended cement with fly ash and fly ash bricks will be used as per Fly Ash notification of September, 1999 & amended as on 27th August, 2003. Fly Ash bricks will be used in landscaping work. Only PPC cement will be used which is blended with 25% of fly ash (max).



Ready-Mix concrete must be used in building construction.



Ready-Mix concrete are being used for this project.

Storm water control & its re-use as per CGWB & BIS standers for various applications



Adequate storm water drainage network will be developed as per design of project without disturbing the surrounding settlements as CGWB & BIS standers for various applications. Strom water drain will be connected with municipal drain which in turn connected with main drainage channel just behind the project site.

### Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and best practices referred

Water has been reused for pre-mixed concrete during construction.

### Permission to draw ground water shall be obtained from the competent Authority prior to construction / operation of the project

Permission from Central Ground water board has been accorded.

### Separation of grey & black water should be done by the use of dual plumbing line for separation of grey and black water.

Dual flushing system will be installed where separation of grey & black water will be use of dual plumbing line for separation of grey and black water.

### Fixture of showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control

Fixture of showers, toilet flushing will be implemented as per construction schedule.

### Use of glass may be reduced by up-to 40 % to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

High quality double glass etc will be developed as per construction schedule.

### Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement

Open to sky are of the roof of commercial mall will be covered by roof gardening and rest of the part will be covered by High Albedo paint with 78 SRI to be applied on the roof top. As per Energy Conservation Building Code with using appropriate thermal insulation material to fulfill requirement

Opaque wall will meet prescriptive requirement as per Energy Conservation of national Building Code. This concept has been considered for all air-conditioned spaces with appropriate thermal insulation material to fulfill requirement

Following performance mandates has been considered to choose the right glass for a successful envelope design:

- Thermal performance
- Acoustical Performance
- Visual Performance

#### **Thermal performance**



**Utkarsh Sfatik Limited.**

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

**The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipments etc as per National Building Code including protection measures from lightening etc.**

Structural design has been developed by the authorized structural designer for confirming and fulfill the structural safety of the buildings due to earthquake , adequacy of firefighting equipments etc as per National Building Code including protection measures from lightening etc.

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

Regular supervision has been done by the execution team in coordination with Environmental Division and Planning Department.

## **Operational Phase**

**The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert' and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100 grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Bihar State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.**

Sewage Treatment Plant will be installed. It will be zero discharge unit as per design. The design of STP has been considered in such a way that treated water can be reused for gardening, cleaning and make up water of HAVC cooling tower.

**The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the, approved sites for land filling after recovering recyclable material.**

The generated solid waste will be collected from point source segregation manner. It will be collected in different bins House hold and users will dispose off their municipal solid waste in separate bins. Finally solid waste will be disposed through Patna Municipality.

**Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided within consultation with Bihar State Pollution Control Board**

DG seta will be installed at operational phase will be enclosed type complying CPCB and MOEF guideline. DG stack and noise level will be monitored in a regular frequency. Bihar Pollution control board has already given the NOC for DG sets for Operational phase in their consent.

The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.

A detail landscaping and plantation plan is under development. As the construction has started and land development activity and pilling activity is going on side by side plantation programme can not takes place. The plantation programme will be taken place in due course at the final stage of construction.

Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.



A proper drainage system will be developed during infrastructure development. The drain will be connected in turns with the municipal drainage connection/ channel which is just behind the project site.

Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater, recharging, should, be kept at least 5 mts. above the highest ground water table.

Rainwater harvesting has been designed. Roof top collection will be treated in tertiary filter and then will be sent for collection chamber and recharge pit.



**Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.**

A detailed traffic survey was carried by the proponent for one month to get an idea of the present traffic load. Major vehicles on the road are two wheelers, auto & manual-rickshaws. Frequency of private cars on the road was quite less. Public transportation like buses etc. do not pass through this road. There were few LCVs and HCVs, which used the road during night hours as the plying of commercial vehicle in the area is restricted apart from school buses.

No. of vehicles during peak hours:

Motorcycles / hour was 105

Auto Rickshaw / hour was 51

Car / hour was 57

Entry & exit of the project has extended up to 60 ft approximate to avoid traffic congestion on the existing main road. Expected footfall at the commercial mall, office and hotel has been calculated on the basis of Patna city and town's census data. Highest foot fall during peak hour will be 2453.

Number of transport during peak hour will be:

- a) 184 Rickshaw
- b) 153 Auto Rickshaw
- c) 245 Two wheelers
- d) 245 Cars

Sufficient provision for parking of cars, two wheelers and bus/trucks, has been kept to cater to this anticipated footfall as referred earlier. 10 meter wide, 72 meter long stretch of land as the service road / holding bay has been provided, for temporarily accommodating the auto-rickshaw traffic. 06 meter wide lane for cars can hold 22 cars in 2 rows. 04 meter wide lane for manual and auto-rickshaws can hold 27 of each of these vehicles. The unloading and holding time for each category of vehicle like manual-rickshaws, auto-rickshaws and cars has been calculated. As per the calculation during peak hour, this proposed service road / holding bay can dispose off 302 manual rickshaws, 312 auto rickshaws, 768 two wheelers & 432 four wheelers. A traffic flow calculation has been made based on the expected footfall for the development.

During peak arrival (on Sundays), there shall be 827 number of vehicles. Details below:

- a) 245 two wheelers
- b) 245 four wheelers
- c) 184 manual rickshaws
- d) 153 auto Rickshaws

A separate entry to the retail space, provision for adequate parking space and toilets, access for physically challenged person with all the ancillary facilities. The service road / holding bay in front of proposed development shall hold the moving traffic coming to the location and halt their for loading-unloading without causing any congestion on the existing city road. A separate entry & exit for residential block will reduce no. of cars at the main entry gate and holding bay. This road is connected with main back-side road, which is directly entering inside the residential block.

The project is having sufficient number of parking provision covering the local municipality law and NBC. Public place outside the boundary will not be utilized for parking purpose.



Utkarsh Sfatik Limited.

Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TPLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.

As per the electrical design CFL/ LED light will be utilized to reduce the load. COP of HVAC > 6.2 which will also reduce the energy load. The project is applying for Green / LEED certification under Indian green building Council. Energy simulation has been consider for Air conditioned area and non air conditioned area. The energy performance is good in compare to any base building of that climate.

### **General Conditions**

The project proponent shall also submit six monthly reports on the status of compliance, of the stipulated BC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

The project is under Construction phase. Compliance report for the period of April 2018 to September 2018 has already been submitted uploaded in the MoEF web site.

Officials from the Regional Office of MOEF, Shillong who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCP, Regional office of MOEF, Bhubaneswar.

-Site inspection is being conducted from MOEF regional office (Bhubaneswar). Compliance reports are being submitted to the regional office and New Delhi office as per the stipulated time frame mentioned in the EC of the project.

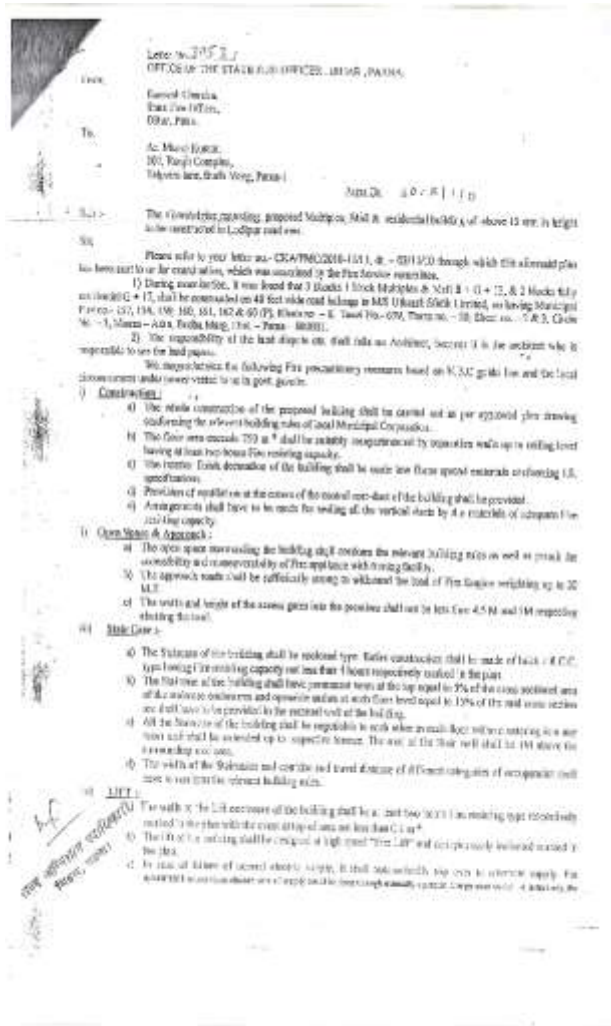
**In the case of any change(s) in the scope of the project, the project would require a & fresh appraisal by this Ministry**

There is no change in the project at present.

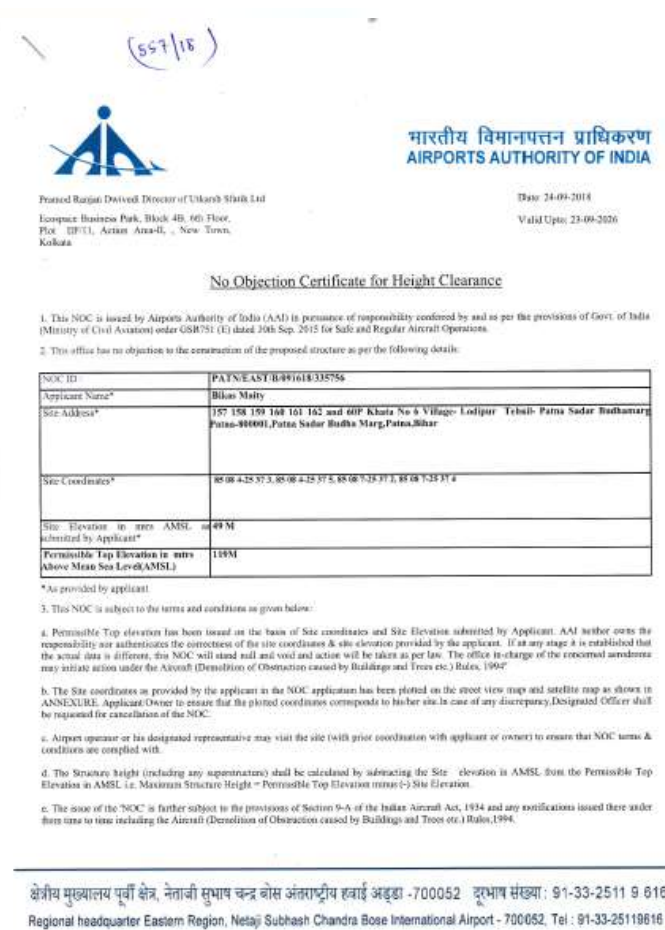
The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

- Sanctioning of Plans has been obtained on 19.01.11. Revalidated on by the PMC on 04.04.2019
- Clearance from State Fire Services Department on 20.10.10. Revalidated on 31.01.2019
- Microwave clearance from BSNL on 13.10.10
- Clearance from Aviation Authority on 12.11.10. Revalidated on 24.09.2018
- Permission for construction electricity on 19.7.12
- Clearance from Groundwater Board for Tube Well on 18.4.11



Clearance form BSNL



Revalidated Clearance from Airport Authority



**Central Ground Water Authority**  
Ministry of Water Resources  
Government of India

No. 21-4(69)/MER/CGWA/2011-432 Dated-

18 APR 2011

To,  
The Director  
M/s Utkarsh Sfatik Ltd.,  
Marwari Awas Girha Compound  
Frazier Road, Patna-800001  
Bihar

Sub: Request for Ground Water clearance in respect of M/s Utkarsh Sfatik Ltd., for their proposed City Centre (Shopping Mall, Multiplex, Office, Hotel & Residential Apartments) project at village Lodiipur, Block Patna Sadar, District Patna, Bihar-reg.

Sir,  
The area where the project falls comes under safe category as per the ground water assessment carried out by Central Ground Water Board. Since the total requirement of ground water withdrawal is 340 m<sup>3</sup>/day, NOC is not required for ground water withdrawal from Central Ground Water Authority. However, to neutralize the adverse impact of ground water withdrawal that may arise on a long term basis, the industry/project is advised to undertake the following measures:

1. Ground Water withdrawal shall not exceed the proposed quantity of 340 m<sup>3</sup>/day.
2. All abstraction structures should be fitted with water meter by the industry and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The data may be submitted on a yearly basis to the Regional Director, Central Ground Water Board, Mid Eastern Region, Patna for perusal and records.
3. The industry should adopt and implement artificial recharge measures/rain water harvesting measures for augmenting the ground water resources of the area as per the hydrogeological investigation.
4. The industry shall ensure proper conservation measures, recycling and reuse of waste water after adequate treatment.
5. The industry shall monitor the ambient ground water regime of the area through piezometers and submit the data on a yearly basis to the Regional Director, Central Ground Water Board, Mid Eastern Region, Patna for perusal and records.

Yours faithfully,

*(S. Bhattacharya)*  
Scientist 'D'  
for Member Secretary

Copy for information to the:

1. Member Secretary, Bihar State Pollution Control Board, Baltron Bhawan, Shastri Nagar, Patna-800023, with a request to ensure that Rain Water Harvesting and Artificial Recharge methods are being implemented by the firm and total quantity of ground water withdrawal is not exceeding 340 m<sup>3</sup>/day
2. Regional Director, Central Ground Water Board, Mid Eastern Region, 6th-7th Floor, Lok Nayak Jaiprakash Bhawan, Dak Bangalow, Patna-800001. This has reference to your letter No. CGWB/MER/CGWA/2011-792/821 dated 17.3.11.
3. TS to Chairman, Central Ground Water Board, NH-IV, Faridabad.

(S. Bhattacharya)  
Scientist 'D'  
for Member Secretary

15/11, Jamnagar House, Man Singh Road, New Delhi 110011  
Tel: (011) 2336-088 23364973; Fax: (011) 23366743 e-mail: [cgwb@cgwb.gov.in](mailto:cgwb@cgwb.gov.in) web site: <http://cgwb.gov.in>

Clearance form CGWA

1102

Provisional Fire Clearance

(Above 15 Mtr. Height)

Letter No. 511/.....

OFFICE OF THE STATE FIRE OFFICER-CUM-DIRECTOR, BIHAR, PATNA.

From,  
Pankaj Sinha,  
State Fire Officer,  
Bihar, Patna.

To,  
Er. Shailesh Ranjan,  
Empanelment No-ER/19/16,  
Patna Nagar Nigam,  
Boring Canal Road, Patna.

Patna Dt. 31.01.2019.

Sub :- The views regarding proposed Commercial Multiplex-cum- residential building of above 15 mtr. in height to be constructed at Mauza-Adra, Bdmarg, Dist-Patna.

Sir,  
Please refer to your letter no. FSR-CAP/F(NOC)074F.P.2018 dt. - 11/12/2018 through which this aforesaid plan has been sent to us for examination, which was examined by the Fire Service committee.

During examination of the plan it was found that a Commercial (B+G+14) & Residential (G+17) Total B/U area- 7,8876... Sqmtr.), Commercial Multiplex-cum- residential building, shall be constructed on 70 feet wide road belongs to UTKARSH SFATIK LIMITED, Director- Tarun Gupta, Plot no-157,158,159,160,161,162,60(P), Khata no-06, Tauzi no-679, Thana no-20, Thana-Budha Colony, Mauza-Adra, Bdmarg, Dist-Patna.

We clear the plan after giving following advice/suggestions/recommendations based on NBC guideline, local building by laws & the local circumstances which must be followed by the concerned Architect/Developer/Land owner as the case may be.

i) Construction :

- a) The whole construction of the proposed building shall be carried out as per approved plan drawing conforming the relevant building rules of local Municipal Corporation as per Bihar building bye laws, 2014.
- b) The floor area exceeds 750 m<sup>2</sup> shall be suitably compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
- c) The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- d) Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- e) Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

ii) Open Space & Approach :

- a) The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of fire appliance with turning facility.
- b) The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 20 M.T.
- c) The width and height of the access gates into the premises shall not be less than 4.5 M and 5M respecting abutting the road.

iii) Stair Case :-

- a) The Staircase of the building shall be enclosed type. Entire construction shall be made of brick / R.C.C. type having Fire resisting capacity not less than 4 hours respectively marked in the plan.
- b) The Staircase of the building shall have permanent vents at the top equal to 5% of the cross sectional area of the staircase enclosures and openable sashes at each floor level equal to 15% of the said cross section are shall have to be provided in the external wall of the building.
- c) All the Staircase of the building shall be negotiable to each other in each floor without entering into any room and shall be extended up to respective terrace. The roof of the Stair wall shall be 1M above the surrounding roof area.
- d) The width of the Staircases and corridor and travel distance of different categories of occupancies shall have to confirm the relevant building rules.
- e) In case of two staircase, one must be on outer wall.
- f) Both staircase are not went down to basement floor, for approach to basement, there should be another staircase for approach.

Revalidated Clearance form Department of Fire

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

Consent to establish has been taken form Bihar Pollution control Board Vide NO No. 3883. Emission Consent order during Construction period for 1X 30 KVA DG & 1X100 KVA DG has also been taken.

The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Assam Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhubaneswar.

Public notice has been published in two local newspaper one English and other in Hindi language.





A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad /Municipal Corporation, Urban Local Body and the local NGO if any, from whom suggestions/ representations if any were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

A copy of the clearance has been forwarded to the Bihar Municipality.

The proponent shall upload the status of compliance of the stipulated EC conditions including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

Construction of the project has started form month of September 12 onward. The result of monitoring for the period of JANUARY 2019 – MARCH 2019 and April 2019 to June 2019 have been furnished below.

**Display of Environmental Monitoring data at main gate of project**

DG STACK GAS ANALYSIS PROJECT: CITY CENTRE AT PATNA		
PERIOD: APRIL 2019 - JUNE 2019		
PARAMETER	CONCENTRATION IN THERMAL POWER OF DG SETS AT SITE	PERMITS/STANDARD BY CPCB
Maximum Temperature (°C)	180	180
Humidity (Percent) Limit of P&L	75%	75%
Velocity of Gas Stack (m/sec)	2.00	2.00
Concentration of SO <sub>2</sub> (mg/m <sup>3</sup> )	100.00	100.00
Concentration of CO (mg/m <sup>3</sup> )	10.00	10.00
Concentration of NO <sub>x</sub> (mg/m <sup>3</sup> )	10.00	10.00
Concentration of H <sub>2</sub> S (mg/m <sup>3</sup> )	1.00	1.00
Concentration of Particulate	10.00	10.00
Water Gas Test	10.00	10.00
Concentration of SO <sub>2</sub> (mg/m <sup>3</sup> )	10.00	10.00

AMBIENT AIR QUALITY PROJECT: CITY CENTRE AT PATNA							
PERIOD: APRIL 2019 - JUNE 2019							
PARAMETER	CONCENTRATION IN VARIOUS POINT AT SITE	NATIONAL AMBIENT AIR QUALITY STANDARD BY CPCB					
	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7
Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	10.00	11.00	10.00	10.00	10.00	10.00	10.00
Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	10.00	11.00	10.00	10.00	10.00	10.00	10.00
Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	10.00	11.00	10.00	10.00	10.00	10.00	10.00
Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	10.00	11.00	10.00	10.00	10.00	10.00	10.00

NOISE QUALITY PROJECT: CITY CENTRE AT PATNA							
PERIOD: APRIL 2019 - JUNE 2019							
NOISE LEVEL (dB)	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7
Day (6:00 AM - 6:00 PM)	71.1	71.0	71.0	71.0	71.0	71.0	71.0
Night (6:00 PM - 6:00 AM)	61.0	61.0	61.0	61.0	61.0	61.0	61.0



This year due to Covid 19 pandemic, construction work at site was kept in hold till August 2020 for the safety of the employee and workers.

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

**Anindya Anindya Pal**  
Asst. General Manager – Compliance