

**COMPLIANCE REPORT OF ENVIRONMENTAL
CLEARANCE**

**FOR THE PERIOD OF 1ST APRIL-2017 TO
30TH SEPTEMBER-2017**

F.No. 21-158/2011-IA.III



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TIME BOUND PROJECTS,
TIMELESS RELATIONSHIPS

SUBMITTED BY-

**M/S. SUBHAM BUILDWELL
5TH FLOOR, SUBHAM VELOCITY
HONURAM BORO PATH, OPP. WALFORD,
GUWAHATI-5**

Name of The Company: M/s. Subham Buildwell
Project : Construction of Commercial-cum-residential project 'Subham Buildwell' at R.G Baruah Road, Village Japorigog, Mouza Beltola, District Guwahati, Assam.
Environmental Clearance Letter : F.No. 21-158/2011-IA.III, Dated July 18th, 2012.

PART A - SPECIFIC CONDITIONS

I. Construction Phase

SN.	EC CONDITIONS	COMPLIANCE STATUS
(i)	"Consent for Establishment" shall be obtained from Assam 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 for Establishment" is obtained from Assam Pollution Control Board vide letter No. WB/GUW/T-2182/11-12/301/1598 dated 20/11/2012 and already submitted to the Ministry.
(ii)	The total height of the building is 31 m. The guidelines issued by the Ministry of Environment & Forests for High Rise Building vide O.M. No. 21-270/2008-IA.III dated 07.02.2012 shall be followed strictly for the project.	We followed the condition for High Rise Building in our project.
(iii)	The Ground water level is high, hence the foundation work will involve dewatering and proper water proofing, and permission shall be obtained for de watering from the competent authority.	Followed the condition.
(iv)	Enhance the circulation plan with proper divider at entry and exist and increase width of the road at the corners so as to enable free turning of trucks.	Followed the condition.
(v)	The project proponent shall be responsible for the maintenance of STP and SWM facilities till the Society takes over the responsibility. Proponent shall submit an undertaking to this effect.	Undertaking for maintenance of STP & SWM till society overtakes it.
(vi)	The storm water drainage shall be worked out after analyzing the contour levels of the site and the surrounding area and the capacity of storm water drainage.	Storm water drain was worked out after analyzing the contour levels of the site and surrounding area and the capacity of storm water drainage. Further storm water is integrating rain water harvesting and overflows will be connected to the main drain of the road.
(vii)	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Necessary facilities such as safe drinking water, mobile toilets etc to construction labour within site are provided.
(viii)	A First Aid Room will be provided in the project both during construction and operation of the project.	Complied with. A First Aid kit having all medicine facilities is being provided at the site.
(ix)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Complied with. The top fertile soil excavated from the project has been properly stored within the project site itself in a temporary soil land bank and was used for backfilling, Landscape and horticulture purposes.



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SN.	EC CONDITIONS	COMPLIANCE STATUS
(x)	Disposal of muck during construction phase should not create any adverse effect on the neighboring 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.	Muck generated is used for site leveling and filling low lying areas.
(xi)	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.	Soil and Ground water analysis reports is enclosed herewith as Annexure-I . According to ground water and soil analysis report parameters are within permissible limit. So there is no threat to ground water quality.
(xii)	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.	Necessary precautions like, stored in impervious area, proper disposal, etc. are being taken to avoid leachate from Construction spoils, including bituminous material to contaminate watercourses by leaching into the ground water.
(xiii)	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Assam State Pollution Control Board.	Hazardous waste, if any generated, and then it will be disposed off as per applicable rules and norms with necessary approvals of the Assam State Pollution Control Board.
(xiv)	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.	At present local available diesel fuel is being used in the Diesel generator set with proper acoustic enclosure. Air & noise monitoring were conducted within site to confirm parameters within standards norms. Monitoring report is enclosed as Annexure-II .
(xv)	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.	DG sets are operated only during power cuts and as such, requirement of diesel is quiet less and the same is met petrol pumps located close to the site.
(xvi)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should be operated only during non-peak hours.	Vehicles hired for construction material have valid "pollution Under Check" (PUC) certificate.
(xvii)	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.	All the construction machineries/equipments used are of high standard. So incremental noise level due to the construction is of negligible amount. Noise level within the site has adhered to ambient noise level. Water spraying is being done for dust suppression. Monitoring reports of ambient noise and ambient air is enclosed as Annexure-II .
(xviii)	Fly ash should be used as building material in the construction as per	Complied with.



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	the provisions of Fly Ash Notification of September, 1999 and amended as on 27 th August, 2003.	
(xix)	Ready mixed concrete must be used in building construction.	Ready mixed concrete was used in building construction.
(xx)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water drain is planned by integrating rain water harvesting and overflow will be connected to the main drain of the road. Further all roof-top water will be collected through proper channel and will be collected in 4 nos. storage tanks. A filter media is provided prior the collection of rain water to RWH tank, which prevents unwanted materials (debris) into collection tank and prevents reducing the characteristics of rainwater. And it will be used for flushing, air-cooling and plantation purpose.
(xxi)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complied with. Pre mixed concrete is used.
(xxii)	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	Applied for.
(xxiii)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Dual plumbing line is adopted for separation of grey and black water. The entire waste water will be directed to STP during operational phase.
(xxiv)	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.	Necessary arrangements will be done to control flow of showers, toilet flushing and drinking water fixtures.
(xxv)	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 low E value glass.	We have reduced the use of glass by optimizing window size and introduce chajja.
(xxvi)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	In the roof we have placed SRI (Solar Reflectance Index) Tiles of white colour.
(xxvii)	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.	Opaque wall meets the stipulate norms according to Energy Conservation Building Code.
(xxviii)	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 lightening etc.	Agreed with.
(xxix)	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 of safety and other measures for monitoring during construction phase is carried out.
(xxx)	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.	Agreed with.

II. Operation Phase

SN.	EC CONDITIONS	COMPLIANCE STATUS
(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 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 Assam State Pollution Control Board.	Will be complied.
(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.	Will be complied.
(iii)	Diesel power generating sets proposed as source of back up power for 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 dapped with in consultation with Assam State Pollution Control Board.	Will be complied
(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.	Will be complied.
(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.	Green belt will be developed after construction phase.
(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.	Will be complied.
(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.	Construction of Rain water harvesting for run-off and surface run-off will be constructed as per lay out plan.
(viii)	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Will be complied.
(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.	Will be complied.
(x)	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.	Preparation of Energy Conservation report under process will be submitted in due course
(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 clone to the extent possible.	Will adhere to the condition.
(xii)	Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.	Regular maintenance of STP will be carried out by using chemicals to prevent odour problem.
(xiii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Adequate distance between the buildings is provided to allow the fresh air and passage of natural

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SN.	EC CONDITIONS	COMPLIANCE STATUS
		light, air and ventilation.

PART - B. GENERAL CONDITIONS

SN.	EC CONDITIONS	COMPLIANCE STATUS
(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 /SPCB.	Six monthly compliance report along with monitored data is being submitted regularly to Competent authorities. Last EC Compliance report was submitted vide our letter no 21-158/2011-IA.III, dtd 09/08/2017 to Regional office of MoEF Shillong, CPCB Shillong and Pollution Control Board Assam.
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, Shillong.	Agreed with.
5.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Agreed with.
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.	Agreed with.
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.	Noted if applicable will be complied.
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.	Agreed with.
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 State Pollution Control Board and may also be seen on the website of 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 Shillong.	Complied with.
SN.	EC CONDITIONS	COMPLIANCE STATUS
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.	Agreed with.
11.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/	No suggestions/ representations were received from any local body or Local



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	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	NGO. EC letter is uploaded on our company's website i.e www.subhamgroup.com
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 ₂ , NO _x (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.	Status of compliance of the stipulated EC conditions, including results of monitored data is uploaded on our website i.e. www.subhamgroup.com and being updated periodically. Simultaneously is being regularly sent to the Regional Office of MoEF at Shillong and the Assam Pollution Control Board.
13.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Will adhere to the condition.