

# ASSAM PLYWOOD LIMITED

B. K. KAKOTI ROAD, ULUBARI, GUWAHATI - 781007  
REGISTERED OFFICE:-TEMPLE CHAMBER, OLD POST OFFICE STREET, KOLKATA- 700 001

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Date: 26.05.17

To,

**The Additional Principal Chief Conservator of Forests (C),  
Ministry of Environment, Forest & Climate Change,  
North Eastern Regional Office  
Law-U-Sib, Lumbatngen  
Near MTC Workshop, Shillong-793021**

**Subject: Submission of post EC Compliance report for the period April'16 to September'16 of housing complex (green Building) "Signature Estates" at Dag No. 1292, 1360, 1365, 1366, 1368, 1369, 1387, 1758, 1759 Patta No. 41, 757, 759 & 760, Mouza- Ulubari on B. K. Kakoti Road, Guwahati, Assam by M/s. Assam Plywood Limited.**

**REF.: ENVIRONMENTAL CLEARANCE LETTER F. No. 21-162/2011-IA.III, Dated August 21, 2012.**

Dear Sir,

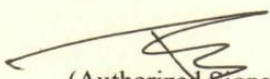
With reference to the Environmental Clearance obtained from MoEF we are hereby enclosing the Six Monthly Compliance Report for the period October'2016 to March'2017 of Environmental Clearance issued to us.

I hope that you will find it in order and do the needful.

Thanking You.

Yours faithfully,

**For M/s. Assam Plywood Limited**

  
(Authorized Signatory)

Copy to:

- 1. The Member Secretary  
Pollution Control Board, Assam, Bamunimaidam, Guwahati-781021**
- 2. To The Zonal Office Central Pollution Control Board, Shillong  
Sh. Zawthanglien Changsan (Scientist 'E' and Incharge)  
"TUM\_ SIR" Lower Motinagar  
Near Fire Brigade H.Q- Shillong-793014**

**COMPLIANCE REPORT OF ENVIRONMENTAL  
CLEARANCE  
FOR THE PERIOD OF OCTOBER-2016 TO  
MARCH-2017**

**F. No. 21-162/2011-IA.III, Dated August 21, 2012.**

**SUBMITTED BY**

**M/s. ASSAM PLYWOOD LIMITED  
ANIL PLAZA, 2ND FLOOR, G.S. ROAD, GUWAHATI-781005**

**Name of The Company** : M/s. Assam Plywood Limited.

**Project** : Construction of housing complex (Green Building) "Signature Estates" at Dag No. 1292, 1360, 1365,1366, 1368, 1369, 1387, 1758, 1759 Patta No. 41, 757, 759 & 760, Mouza- Ulubari on B. K. Kakoti Road, Guwahati, Assam.

**Environmental Clearance Letter** : **F. No. 21-162/2011-IA.III, Dated August 21, 2012.**

**PART A - SPECIFIC CONDITIONS**

**I. Construction Phase**

<b>SN.</b>	<b>EC CONDITIONS</b>	<b>COMPLIANCE STATUS</b>
(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.	We have already received the "Consent for Establishment" from Assam Pollution Control Board vide letter No. WB/GUW/T-2144/11-12/57/674 dated 7/09/2012 and already submitted to the Ministry.
(ii)	The project proponent shall be responsible for the maintenance of STP and SWM facility till the society takes over the responsibility. Proponent shall submit the undertaking to this effect.	Agreed with. We will take responsibility the maintenance of STP and SWM facility till handover to society and will submit the undertaking to this effect.
(iii)	The proponent shall follow the higher norms for parking. Details may be mentioned for more clarity.	Parking space for 382 cars is being provided.
(iv)	Guidelines of CPCB on reuse of treated wastewater shall be followed.	Agreed with.
(v)	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.	Complied with. Storm Water drainage and its capacity is work out based on contour levels & rain fall.
(vi)	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.	Necessary infrastructure and facilities to construction labour within the site is provided and removed after the completion of the project.
(vii)	A First Aid Room will be provided in the project both during construction and operation of the project.	Complied with. First Aid room is provided both during construction and will be maintained in operation phase.
(viii)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Complied with. Excavated topsoil was used for backfilling, road work, raising of site level and landscaping purpose etc. thereby leading to zero waste diversion to landfills.
(ix)	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 was used for site leveling and filling low lying areas.
(x)	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 report is enclosed as <b>Annexure-I</b> . According to the report there is no threat to ground water quality by leaching of heavy metals & other toxic contaminants.
(xi)	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the	Due care is taken to avoid any contamination of watercourses and the

SN.	EC CONDITIONS	COMPLIANCE STATUS
	dump sites for such material must be secured so that they should not leach into the ground water.	dump sites by providing impervious layer to storage area.
(xii)	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, will be disposed as per applicable rules and norms with necessary approval of the Assam State Pollution Control Board.
(xiii)	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.	The DG sets are running during power cuts and vibrator machines during casting. The emissions from DG sets are within the permissible limits. Monitoring report is enclosed as <b>Annexure-II</b> .
(xiv)	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 required for operating DG sets is procured from nearby petrol pump as and when required and is not stored in site.
(xv)	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.	Complied with. Vehicles hired for construction material have valid "pollution Under Check" (PUC) certificate.
(xvi)	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.	Complied with. All the construction machineries/equipments used are of high standard of reputed make and adhere to norms. Construction is done within enclosure of a suitable height along with water sprinkling arrangement for dust suppression. So incremental noise level and air dust due to the construction is of negligible amount. Monitoring reports of ambient noise, air is enclosed as <b>Annexure- II</b> .
(xvii)	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.	During construction Fly ash brick has been used in the building material.
(xviii)	Ready mixed concrete must be used in building construction.	Complied with. Ready mixed concrete was used for the building construction.
(xix)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Provision for storing storm water is under process. It is collected and stored in underground settlement tank. From settlement tank, water is reuse in car washing and other purpose.
(xx)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Ready mixed concrete is used for the building construction to reduce Water demand during construction.
(xxi)	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	Permission for draw ground water will be obtained from the competent Authority.
(xxii)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Dual pumping system is adopted for the separation of grey and black water.
(xxiii)	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.	Complied with. Necessary arrangements for pressure reducing such as fixture for showers, toilet flushing and drinking are of low flow.
(xxiv)	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.	High quality glass with special reflective coating in windows is used to reduce the electricity consumption and load on air-conditioning.
(xxv)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Complied with.
(xxvi)	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 shall be constructed as per Energy Conservation Building Code. The project is a green building and is designed considering energy conservation building code.

SN.	EC CONDITIONS	COMPLIANCE STATUS
(xxvii)	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.	<ul style="list-style-type: none"> <li>- The approval of the Department of Civil Engineering, Jalukbari, Guwahati Assam is obtained vide letter no. SDRP/09/41/GMDA-4:20/3/09, dated 16/11/2010 for structural safety of the buildings due to earthquake.</li> <li>- Approval of Fire department is obtained for the adequacy of fire fighting equipments.</li> </ul>
(xxviii)	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.	Site in charge is deputed for the regular supervision of safety and other measures for monitoring during construction phase.
(xxix)	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. Necessary measures should be made to mitigate the odour problem from STP.	<ul style="list-style-type: none"> <li>- Installation of Sewage Treatment Plant (STP) was completed and a report in this regard is under preparation process and will be submitted to MoEF. Wastewater will be treated in STP's operated by FAB followed by tertiary treatment (pressure sand filter, activated carbon filter and UV-radiation for disinfection). Treated wastewater will be reused in flushing, landscaping and car washing and rest of the treated wastewater will discharge into the drain.</li> <li>- Treated effluent will be recycled/ reused for the flushing and gardening purpose. Regular maintained of STP will be carried out to mitigate odour problem.</li> </ul>
(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.	<ul style="list-style-type: none"> <li>- Solid waste is properly collected and segregated by using different color bins.</li> <li>- Wet garbage will be collected in green colored bin and converted into manure.</li> <li>- Non-recyclable or inert solid waste will be disposed off through Govt. approved agency</li> </ul>
(iii)	Diesel power generating sets proposed as source of backup 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.	<ul style="list-style-type: none"> <li>- Diesel Power generating sets will be kept in closed area having adequate stack height. Low-sulphur diesel will be used as a fuel.</li> <li>- The location of the DG sets dapped with in consultation with Assam State Pollution Control Board.</li> </ul>
(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 follow the condition.
(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 development is being carried out all around the site including selection of local species.
(vi)	Weep holes in the compound walls shall be provided to ensure natural	Sufficient weep holes in the compound wall

SN.	EC CONDITIONS	COMPLIANCE STATUS
	drainage of rain water in the catchment area during the monsoon period.	are provided to ensure natural drainage of rain water.
(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 roof 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.	Agreed with.
(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.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site is avoided by employing security person.  Sufficient parking space is provided for 384 cars.
(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.	Followed the condition.
(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.	Following conservation measures will be adopted before project commissioning. <ul style="list-style-type: none"> <li>- LED based lighting will be done in the whole of residential areas.</li> <li>- T5 luminaries &amp; electronic ballast are proposed in Basement area.</li> <li>- LED is proposed in security lighting and common areas.</li> <li>- 20 Nos. solar street light will be used.</li> <li>- Maximum utilization of Natural light.</li> <li>- Natural ventilation by provision of sky lights and vents.</li> <li>- DG sets shall be automatically controlled.</li> </ul> CFL will be disposed off as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
(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 to mitigate 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.	Complied with.

#### **PART – B. GENERAL CONDITIONS**

SN.	EC CONDITIONS	COMPLIANCE STATUS
(i)	The environmental safeguards contained in the EMP Report should be implemented in letter and spirit.	Condition followed.
(ii)	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.	Regularly submitting six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data to respective agencies as stipulated.

## OTHER CONDITIONS

SN.	EC CONDITIONS	COMPLIANCE STATUS
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.	We ensure to provide full cooperation, facilities and documents /data required by the Officials from the Regional Office of MoEF, Shillong during their inspection.
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.	Complied with
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.	Point is noted.
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 <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 Shillong.	Complied with.
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.	Point is noted.
11.	Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Not applicable
12.	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.	-The copy of the Environment Clearance has been submitted to concern Panchayat, Zila Parishad/ Municipal Corporation, Urban Local NGO. -The clearance letter will be uploaded in our company website.
13.	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	- Status of compliance of the stipulated EC conditions, including results of monitored data will be uploaded on our company's website i.e. <a href="http://www.infinityitpark.in">www.infinityitpark.in</a> in due course and being updated periodically. -Simultaneously it is being regularly sent to the Regional Office of MoEF at Shillong and

SN.	EC CONDITIONS	COMPLIANCE STATUS
	at a convenient location near the main gate of the company in the public domain.	the Assam Pollution Control Board.
14.	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.	Environmental Statement will be submitted to Assam Pollution Control Board.



**ANNEXURE-1**

**SOIL AND GROUND WATER ANALYSIS REPORT**

**ANNEXURE-II**

**MONITORING REPORTS**