

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE

FOR THE PERIOD OF MARCH -2013 TO AUGUST -2013

Name of Company : M/s. GNRC Institute of Medical Sciences (a unit of GNRC Ltd).

Project : Construction of Medical College and Hospital at Village: Silagrang Town, Mouza: Sila Senduri Ghopa, North Guwahati. Dist: Kamrup, Assam.

Environmental Clearance Letter : **F. No. 21-151/2011-IA.III, Dated July 17, 2012.**

PART A - SPECIFIC CONDITIONS

I. Construction Phase

Sl.No.	Conditions	Status of Compliance
(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 to Establish under Water & Air Act has been obtained from Assam State Pollution Control Board vide No.WB/GUW/T-2128/11-12/141/1339 dt. 29-11-11 & NO. WB/GUW/T-2128/11-12/371/1724 dt. 01-03-12 (attached as ANNEXURE-I)
(ii)	The proponent shall ensure that the project fulfills all the provision of Biomedical Waste (Management, Handling and Transboundary) Rules, 2008 as amended including segregation, collection, treatment and safe disposal etc.	An MOU has been executed with an authorized organization, authorized by Assam State Pollution Control Board vide No. WB/GUW/T-2021/11-12/131/652 dt. 04-9-12 who is having all the infrastructure for Biomedical Waste (Management, Handling, Transboundary) including segregation collection, treatment and safe disposal etc
(iii)	Parking provision shall be enhanced along with well designed circulation plan to ensure that there is no parking outside premises. The circulation plan should have any conflicts with the truck movement	Parking provision has been earmarked for bus, car, two wheelers etc. Also special provision of parking for Ambulance services has been kept.
(iv)	All the required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Measures for sanitary & hygiene have been provided adequately prior to starting of construction activities and will be maintained throughout the construction phase.
(v)	A First Aid Room will be provided in the project both during construction and operation of the project.	First Aid Room along with drugs etc is in place within the construction complex which will be continued during operation of the project.

SI No.	Conditions	Status of Compliance
(vi)	Adequate drinking water & sanitary facilities should be provided for construction workers at site. The safe disposal of waste water and solid wastes generated during construction phase should be ensured.	Provision for drinking water as well as sanitary facilities has been provided adequately for construction workers at site.
(vii)	Provision should be made for the supply of fuel (kerosene or cooking gas), utensils such as pressure cooker etc to the labourers during construction phase.	Cooking gas, utensils like pressure cookers, pot etc has been provided at site. Also provided the food to the workers.
(viii)	All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site.	Health of the workers is screened and necessary treatment is provided before engaging them to work at the site.
(ix)	For Disinfection of waste water use UV radiation, not chlorination.	Complied. UV protection provision is there in the WTP
(x)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	All the topsoil has been reused for landscape development work, rotary, garden adjacent to site office within the project site.
(xi)	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precaution for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Muck, if at all generated shall be disposed at authorized disposal ground & taken care of.
(xii)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals & other toxic contaminants.	Soil & ground water samples are taken for analysis and reports will be submitted soon after completion of analysis which is at laboratory.
(xiii)	Construction spoils including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such materials must be secured so that they should not leach into the ground water.	Point is noted.
(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.	Complied the condition.

SI No.	Conditions	Status of Compliance
(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.
(xvi)	Ambient noise level 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.	Noise monitoring results are within permissible limits.
(xvii)	Fly ash should be used as a construction material as per the provisions of Fly Ash Notification of September, 1999 & amended as on 27-08-2003. As the site located within the 100 km of Thermal Power Station.	Fly ashes bricks have been used as building material for construction of building.
(xviii)	Ready mixed concrete must be used in the construction.	Complied.
(xix)	Storm water control and its reuse as per CGWB and BIS standards for various applications.	Complied the condition.
(xx)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Steps have been taken to reduce the water demand during construction by use of pre-mixed concrete, curing agents etc.
(xxi)	Permission to draw ground water shall be obtained from the competent authority prior to construction/operation of the project.	The deep tube well to draw the ground water has originally been done by the Directorate of Geology & Mining, Government of Assam.
(xxii)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Complied.
(xxiii)	Treatment of 100% grey water by decentralized treatment should be done.	Point is noted.
(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.	Sanitary & plumbing fixtures procured for the project are all complies low flow of water
(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 double glass with special reflecting coating on windows.	Complied.

SI No.	Conditions	Status of Compliance
(xxvi)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Mosaic crazy flooring on RCC roof top is done & underdeck insulation is proposed for the GI Sheet roof covered area.
(xxvii)	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.
(xxviii)	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.	230 mm brick wall is made for energy conservation

II. Operation Phase

Sl. No.	Conditions	Status of Compliance
(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. Discharge of unused treated effluent shall conform to the norms and standards of the Assam State Pollution Control Board, Guwahati.	STP has already been installed & the installation certificate from the independent expert along with a report in this regard is being submitted to Ministry before commissioned for operation. Discharge of treated sewage will conform to the norms & standards of Assam State PCB, Guwahati.
(ii)	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.	Compliance stage not yet come, shall be done in appropriate time.
(iii)	The solid waste generated should be properly collected and segregated before disposal to the city municipal facility. The in-vessel bio-conservation technique should be used for composting the organic waste recyclable material.	The solid waste generated will be properly collected and segregated in yellow, blue and red non chlorinated Bag & Bins before disposal to the authorized organization. The in-vessel bio conservation technique will be used for composting the organic waste recyclable material

SI No.	Conditions	Status of Compliance
(iv)	Any hazardous waste including bio-medical waste should be disposed of as per applicable rules and norms with necessary approval of the Assam State Pollution Control Board.	Any hazardous waste including biomedical waste will be disposed of as per norms of ASPCB & we have already entrusted the job to an authorized organization of ASPCB
(v)	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land-use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.	We have already prepared plan for Green Belt, earmarked the areas; and the work will be started soon. The open space inside the complex will suitably be landscaped and covered with vegetation of indigenous variety.
(vi)	Incremental pollution loads on the ambient air quality, noise & water quality should be periodically monitored after commissioning of the project.	We have appointed Pollution Control Board certified agency for regular monitoring of ambient air quality, noise and water quality.
(vii)	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provisions for solar water heating. A hybrid system or fully solar system for a portion of the apartments should be provided.	Aiming for illumination of common areas, lighting for gardens and street lighting in addition to solar light which has been put on experiment basis to cover more area.
(viii)	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.	Sufficient space has been earmarked for parking of cars for convenient of all and to avoid traffic congestion near the entry and exit points from the roads.
(ix)	A Report on the energy conservation measures confirming to energy conservation norms finalized 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.	Compliance stage not yet come; shall be done in appropriate time

PART – B. GENERAL CONDITIONS

Sl.No.	Conditions	Status of Compliance
(i)	Six monthly monitoring report should be submitted to the ministry and it's Regional Office, Shillong.	Point is noted, will be done.
(ii)	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.	Point is noted.
(iii)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Will be done, if happens.
(iv)	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.
(v)	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
(vi)	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.	Noted

(viii)	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.	Noted
(ix)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila 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.	Already forwarded. Being put on website.
(x)	The project component shall upload the status of compliance of the stipulated environment clearance 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 the MOEF at Shillong. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOX (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Will be uploaded in the group website and information shall be sent to concerned respective Government offices.
(xi)	The environmental statement for each financial year ending 31 st 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 environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Shillong by e-mail.	Shall be implemented

ANNEXURE-I