

**POINT-WISE STATUS OF CONDITIONS STIPULATED IN THE  
ENVIRONMENTAL CLEARANCE OF EXTENSION OF TOWNSHIP, PHASE-  
III VIDE NO. SEIAA.12/2013/03 DATED AUGUST 14<sup>st</sup> '2013  
OF MOEF, GOVT. OF INDIA**

**Specific conditions**

Construction Phase

1. "Consent for Establishment" shall be obtained from Assam Pollution Control Board under Air and water Act and a copy shall be submitted to the SEIAA before start of any construction work at the site'.
  - *Consent for Establishment obtained from PCBA vide no WB/GOL/T-290/13-14/63/804 dated 05.10.2013 and a copy submitted to SEIAA.*

*Job under suspension since 16.06.2015*

2. 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 drainage kept in line with existing township, wherein, part of surface runoff is absorbed by the soil surface and remaining is drained naturally to road side drains, finally culminating to natural stream*

*Job under suspension since 16.06.2015*

3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, toilets, STP, safe drinking water, medical health care ,etc. The housing may be in the form of temporary structures to be removed a after the completion of the project.
  - *Mostly local labours are engaged. Temporary housing facilities with proper drinking water, toilets etc. have been arranged for office staff, watchman & skilled workers. Medical health care facility is available inside the existing township*

*Job under suspension since 16.06.2015*

4. A First Aid Room shall be provided in the project both during construction and operation of the project. -
  - *First aid facility is available in the construction site.*

*Job under suspension since 16.06.2015*

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

- *Topsoil excavated during construction activities has been stored for further use in landscape development.*

*Job under suspension since 16.06.2015*

6. Disposal of muck during construction phase should not create any adverse effect on the site and necessary precautions for general safety and health aspects of people.

- *Generation of muck is very less, as there is no piling job and no large scale grading of the project site.*

*Job under suspension since 16.06.2015*

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

- *Soil and ground water samples have been tested and the parameters are well within the requirements and no threat of ground water contamination is envisaged*

*Job under suspension since 16.06.2015.*

8. Constructions spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water course sand the dump sites for such material must be secured so that they should not leach into the ground water.

- *As ready mix bitumen has been used, there is no storage of the same at construction site.*

*Job under suspension since 16.06.2015*

9. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms.

- *Noted and complied*

*Job under suspension since 16.06.2015.*

10. The diesel generator sets/ mixture machines to be used during construction phase should be of low sulphur diesel and should conform to Environment (protection) Rules prescribed for air and noise emission standards.

- *Complied and adhered to.*

*Job under suspension since 16.06.2015*

11. The diesel required for operating D G sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.

- *There is no DG sets. Power is being taken from NRL's own source.*

*Job under suspension since 16.06.2015*

12. 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 and adhered to.*

*Job under suspension since 16.06.2015*

13. 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. 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.

- *The overall noise levels in and around the project premises is being carried out as per the prevailing practices in line with the requirements and the same is below the limit. Also, Massive plantation is being carried out in and around the construction site. As such, no significant generation of high noise during the construction activities is envisaged.*

*Job under suspension since 16.06.2015*

14. 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.

- *There is no coal or lignite based thermal power plant generating fly ash within 100 km radius of the project site.*

- PPC (Fly ash based) cement is being used in the construction activities.

*Job under suspension since 16.06.2015*

15. Ready mixed concrete must be used in building construction.

Concrete mix from RMC Plant and Batch Mixing are in use.

*Job under suspension since 16.06.2015*

16. Storm water control and its re-use as per CGWB and BIS standards for various applications.

- *The same has been noted.*

*Job under suspension since 16.06.2015*

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

- *Complied.*

- *Job under suspension since 16.06.2015*

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

- *The same has been noted. Presently requirement of ground water is not envisaged, permission shall be obtained from competent Authority if required. Water requirement is met from the existing resources.*

*Job under suspension since 16.06.2015*

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

- *The same has been noted.*

- *It is planned to treat the sewage at STP with 100% reuse.*

*Job under suspension since 16.06.2015*

20. 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.*

*Job under suspension since 16.06.2015*

21. Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on air-conditioning. If necessary use high quality low E value glass.

- *-4 mm thick glass is provided in the units as per design of consultant- M/s SPA*

*Job under suspension since 16.06.2015.*

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

- *As provided by the consultant- M/s SPA, Precoated sheet roof (0.5mm thickness) at an approximate slope of 23 degrees, shall be provided with false ceiling of 12mm thick particle board.*

*Job under suspension since 16.06.2015*

23. 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.

- *Proposed wall system comprises 250 mm thick brick wall including plastering for outer walls and 125 mm thick brick wall including plastering for interior walls.*

*Job under suspension since 16.06.2015*

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

- *M/s SPA (School of Planning and Architecture), New Delhi has carried out structural design.*

*Job under suspension since 16.06.2015*

25. 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.

- *The same has been noted.*

*Job under suspension since 16.06.2015*

26. 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

- *Environment clearance for the project has been obtained prior to initiation of construction activities.*

*Job under suspension since 16.06.2015*

## **Operation Phase**

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 SEIAA 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 decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Assam State Pollution Control Board.

- *Quantity of sewage generated will be around 15.0 KLD during the construction phase and the same shall be treated through septic tank and a soak pit which is designed to take care of the sewage and avoid any damage during flooding in case of heavy rain if any.*

*During the operational phase, the sewage generated will be around 90 KLD and the same shall be treated in the existing Sewage Treatment Plant (STP) which is adequate to take care of the additional load. Treated sewage will be pumped to refinery ETP through the existing network as per the prevailing practice for further treatment.*

*Job under suspension since 16.06.2015*

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.

- *The point has been noted. Solid waste generated is being collected, segregated and disposed off properly as per the prevailing guidelines in a land fill. NRL has installed one composting plant in line with the requirement since inception for safe and systematic disposal of garbage generated.*

*Job under suspension since 16.06.2015*

3. Diesel power generating sets proposed as source of power 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 suitably without disturbance to the public.

- *There will not be any Diesel Power Generating set in this project. Power will be supplied from NRL's existing sub-stations/source.*

*Job under suspension since 16.06.2015*

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.

- *The overall noise levels in and around the project premises shall be carried out as per the prevailing practices in line with the requirements. As such, there will not be any significant generation of high noise during the construction activities. However, proper care shall be taken to minimize the noise level and to maintain within the limit.*

*Job under suspension since 16.06.2015*

5. The green belt of 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.

- *Massive Plantation has been carried out in various locations inside the township by planting no. of local fast growing varieties. A unique Herbal Garden has also been developed inside the Township consisting of several medicinal plants. It has been planned to increase the density by planting more saplings in project construction site.*

*Job under suspension since 16.06.2015*

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.

- *Complied.*

7. Rain water harvesting for roof run-off and surface run-off 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 height of ground water table.

- *Main and internal roads are designed to carry the storm water during rainy season to the nearest natural gorges and enhance the ground water level.*

*Job under suspension since 16.06.2015*

8. The ground water level and its quality should be monitored regularly.

- *Regular monitoring of ground water has been carried out.*

*Job under suspension since 16.06.2015*

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.

- *The same has been noted for compliance.*

*Job under suspension since 16.06.2015*

10. A Report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & D Factors, etc. and submit to the SEIAA in three months time.

- *The same has been noted.*

*Job under suspension since 16.06.2015*

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. Use CFLs and TFLs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/ rules of the authority to avoid mercury contamination, Use of solar energy should be incorporated for illumination of common areas, lighting for garden and street lighting in addition to provision for solar water heating.

- *CFL lighting will be used for building internal and external illumination. Street lightings will be LED light and Solar power will also be incorporated . Proper care will be taken for disposal of used CFLs as per prevailing guidelines.*

*Job under suspension since 16.06.2015*

12. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.

- *A composting plant for systematic disposal of solid waste and one STP is operating since commissioning. Necessary measures are in place for preventing odour problem.*

*Job under suspension since 16.06.2015*

13. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air, and ventilation.

- *The same has been noted and shall be taken care*

*Job under suspension since 16.06.2015.*



## **PART \_ B. GENERAL CONDITIONS**

1. 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 email) to the SEIAA/ Regional Office of MoEF Office of MoEF.

- *Noted for compliance.*

*Job under suspension since 16.06.2015*

2. The SEIAA will be monitoring the implementation of environmental safeguards and the project proponent should provide full cooperation, facilities and documents/ data during inspection.

- *shall be provided whenever required.*

*Job under suspension since 16.06.2015*

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

- *The same has been noted.*

*Job under suspension since 16.06.2015*

4. The SEIAA 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.

- *The same has been noted.*

*Job under suspension since 16.06.2015*

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

- *Shall be complied if need arises.*

*Job under suspension since 16.06.2015*

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 Environmental (protection) Act, 1996, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

- *The same has been noted.*

**Job under suspension since 16.06.2015**

7. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one 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 SEIAA, the Assam. Pollution Control Board and may also be seen on the website of the proponent. 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 MoEF at Shillong.

- *Complied*

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 (CMI) No. 460 of 2004 as may be applicable to this project.

- *The same has been noted.*

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.

*-Noted*

10. The proponent shall upload the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the SEIAA and Regional Office of MoEF. The criteria pollutant levels namely PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> etc. (ambient levels as well as stack emission) or critical sectoral parameters indicated for the project shall be monitored and a record be maintained for the public domain.

- *The same has been noted. The half yearly compliance report is uploaded in Company's website periodically.*

**Job under suspension since 16.06.2015**

11. The environmental statement for each financial year ending 31st March in Form-V as is mandate to be submitted by the project proponent to the SEIAA and State pollution Control Board as prescribed under the Environmental (I

Protection) Rules, 1986, as amended subsequently and shall also be sent to the respective Regional Offices of MoEF by e-mail.

- *The same has been noted. The environmental statement for each financial year ending 31st March in Form-V is being sent to PCBA every year as per the schedule.*

*Job under suspension since 16.06.2015*

12. The internal roads of the township should be as per Guidelines.

*-Township Main road width 7.5 m and cluster roads width are 5.5 m.*

*Job under suspension since 16.06.2015*

13. Adequate steps should be taken to conserve and protect the Deopahar site and action plan should be submitted to the SEIAA in this regard.

- *The same has been noted.*

*Job under suspension since 16.06.2015*

14. The green belt development should be adequately designed to compensate the uprooting of the tea bushes, felling of trees, etc. as per norms. The open space inside the plot should be suitably landscaped and covered with indigenous plants.

- *The same has been noted. Development of Green Belt is being given a top priority and adequately designed to compensate the uprooting of the tea bushes, felling of trees, etc. The open space inside the plot shall be suitably landscaped and covered with indigenous plants.*

*Job under suspension since 16.06.2015*

15. The project proponent shall also comply with all the environment protection measures risk mitigation measures etc.

- *The same has been noted for compliance.*

*Job under suspension since 16.06.2015*

16. This Environmental Clearance is valid for a period of five years from the date of issue.

- *The same has been noted.*

*Job under suspension since 16.06.2015*

17. Processing fees shall be paid in due course to the SEIAA, Assam in the shape of Bank Draft in favour of SEIAA, Assam subject to approval of the Finance Department, Govt. of Assam.

- *The point has been noted, being complied.*