



सत्यमेव जयते

भारत सरकार  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
क्षेत्रीय कार्यालय (मध्य)  
**Ministry of Environment, Forest and Climate Change**  
**Regional Office (Central Region)**



केन्द्रीय भवन, पंचम तल, सेक्टर-एच, अलीगंज, लखनऊ-226024  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector-H, Aliganj, Lucknow- 226024, Telefax: 2326696, 2324340, 2324047, 2324025  
Email: (Env.) m\_env@rediffmail.com, (Forest) goimoeofrolko@gmail.com

File No. 4-924/2010 / 284

**Speed Post**

Date: 29.11.2017

To,

**Director (Monitoring Cell),**  
IA Division,  
M/o Environment, Forest & Climate Change,  
Indira Paryavaran Bhawa, Jor Bagh Road,  
Aliganj, New Delhi-110003

**Subject: Proposed "Expansion of Educational Institute-IIT, located at Hauz Khas, Delhi".**

**Ref: State SEIAA Environmental Clearance no. : 42/DPCC/SEIAA-SEAC/10/1429-33 Dated: 11-11-2010**

Sir,

Your kind attention is invited on the above subject and letter & reference the project has been monitored and the monitoring report is being duly approved by the competent authority is enclosed for your information and necessary action at your end please.

Sincerely,

(Dr. S.K. Lal)  
Scientist 'C'

**Copy to:**

✓ **Mr. Gopal Krishna Taneja**, State Officer, The Indian Institute of Technology, Hauz Khas, Delhi-110016.

(Dr. S.K. Lal)  
Scientist 'C'



भारत सरकार  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
क्षेत्रीय कार्यालय (मध्य)  
Ministry of Environment, Forest and Climate Change  
Regional Office (Central Region)



केन्द्रीय भवन, पंचम तल, सेक्टर-एच, अलीगंज, लखनऊ-226024  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector-H, Aliganj, Lucknow- 226024, Telefax: 2326696, 2324340, 2324047, 2324025  
Email: (Env.) m\_env@rediffmail.com, (Forest) goimoeofolko@gmail.com

**Monitoring Report**

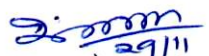
| S.No. | Items   | Details   |
|-------|---|---|
| 1.    | परियोजना का नाम<br>Name of Project  | Proposed "Expansion of Educational Institute-IIT, located at Hauz Khas, Delhi".   |
| 2.    | परियोजना प्राधिकारण का पता<br>Address of project authorities              | State Officer,<br>The Indian Institute of Technology,<br>Hauz Khas, Delhi-110016. |
| 3.    | पर्यावरणीय स्वीकृति पत्र सं० एवं तिथि<br>Env. Clearance letter no. & Date | 42/DPCC/SEIAA-SEAC/10/1429-33 Dated:<br>11-11-2010                                |
| 4.    | क्षेत्रीय कार्यालय फाईल सं०<br>Regional Office File no.                   | 4-924/2010  |
| 5.    | स्थल दौरा तिथि<br>Date of site visit                                      | 23.11.2017  |
| 6.    | परियोजना की स्थिति<br>Status of Project                                   | Under Construction  |

**7. Observations made during the site visit:**

Project authorities have complied or are in process of complying the environmental conditions stipulated for this project. The compliance status could be termed as satisfactory.

**8. Action taken (if any):** As mentioned in the detailed monitoring report.

**9. Certified compliance status:** The project is proposed to construct for expansion of educational institute IIT Delhi. The project proponent has accorded the EC from SEIAA, Delhi, environmental clearance no. 42/DPCC/SEIAA-SEAC/10/1429-33 Dated: 11-11-2010. PA submitted that expansion/revision in the construction plan of three new blocks, professors apartments, mini academic block, new boys hostel, girls hostel, married researchers block and sports block is to be taken up. Total plot area 12,64,727 sqm. remain same. As per EC dated 11.11.2010 construction work has been started. The above proposed expansion applied by PA therefore, certified compliance report is needed. It is also informed by PA that there is no court case and no show cause notice either for DPCC and CPCB has been received. The project has been visited on 23.11.2017 and the compliance status of the stipulated conditions in the EC is submitted in the following detailed report.

  
29/11  
(डा० एस०के० लाल)  
वैज्ञानिक "सी"



| SNo.  | Specific Conditions<br>Construction Phase  | Compliance Status     |
|-------|--|-----------------------|
| i.    | <p><b>Construction should be started after obtaining prior Consent to Establish from Delhi Pollution Control Committee (DPCC) under Air and Water Acts and a copy shall be submitted to the SEAC- Delhi, failing which project shall be discontinued.</b></p> <p>PA informed that as per DPCC guideline this All India Educational Institute is exempted to obtained consent to establish (CTE) from DPCC vide letter dated 16.07.2011.</p>  | Being Complied        |
| ii.   | <p><b>Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated since the construction of the project has been started without obtaining environmental clearance for each and any of the requirements shown below.</b></p> <p>The project has been accorded environmental clearance no. 42/DPCC/SEIAA-SEAC/10/1429-33 Dated: 11-11-2010 and started initial work from April, 2014.</p>   | Being complied        |
| iii.  | <p><b>A first aid room to be provided in the project both during construction and operation phase.</b></p> <p>First aid room and dispensary has been provided the IIT has its soon hospital and total 11 doctors are on roll. At present, construction work has been stopped and no labour at the site.</p>  | Agreed to comply with |
| iv.   | <p><b>Provision shall be made for the housing of labours within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care along with first aid room, crèche etc. The housing may be in the form of temporary structures to be removed after completion of the project.</b></p> <p>At present, construction work has been stopped and no labour at the site. It has been informed that all the working labours are from nearby village areas. A canteen is provided for day time food and safe drinking water for labours.</p> | Agreed to comply with |
| v.    | <p><b>Health and safety norms of CPWD should be followed during construction.</b></p> <p>PA submitted that they are following all CPWD norms. The construction work is carried out by the CPWD unit only.</p>  | Agreed to comply with |
| vi.   | <p><b>Top soil excavated during construction activities should be stored within the site for use in horticulture/landscape development.</b></p> <p>At present, no excavation work has been taken up. PA assured that care will be taken in compliance.</p>   | Agreed to comply with |
| vii.  | <p><b>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.</b></p> <p>At present, one old hostel building has been demolished and muck is being disposed of to the authorized dealers and did not create any adverse effect on neighbor communities/campus.</p>   | Agreed to comply with |
| viii. | <p><b>Proper measures should be adopted to control dust emissions during construction phase by providing adequate numbers of water sprinklers.</b></p>   | Agreed to comply with |



|       |  |                        |
|-------|--|------------------------|
|       | To control the dust, tarpaulin and scaffolding around the area of construction and net is provided. Vehicle carrying materials are being covered and wheels are washed. Regular water sprinkling is done.  |                        |
| ix.   | <b>Soil and water samples of the site should be tested by the Project Proponent from any laboratory recognized by MOEF/DPCC to ascertain that there is no threat to ground water quality by leaching of contaminants, on quarterly basis for inclusion in the six monthly reports.</b><br><br>PA submitted that soil and water samples of the site and nearby area has been tested and reports are submitted with six monthly reports.   | Agreed to comply with  |
| x.    | <b>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. Bulk of the demolition waste should be recycled and minimum possible demolition waste should be dumped at designated dumping site.</b><br><br>As such no hazardous material is stored or dump at site, however, construction spoils will be kept under cover and lining.  | Agreed to comply with  |
| xi.   | <b>Any hazardous waste generated during construction and operation phase should be disposed of as per applicable rules and norms with necessary authorization from Delhi Pollution Control Committee.</b><br><br>PA submitted that no hazardous waste is generated during construction and in later stage if any will be disposed of to the authorized dealers and did not create any adverse effect on neighbor communities/campus.   | Agreed to comply with. |
| xii.  | <b>The diesel generator sets to be used during construction phase should be acoustically treated and operated on low sulphur diesel and should conform to the Environment Protection Rules prescribed for air and noise emission standards.</b>  | Agreed to comply with  |
| xiii. | <b>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.</b>   | Agreed to comply with. |
| xiv.  | <b>Vehicles hired for bringing construction material to the site should be in good condition, have pollution check certificate, and conform to applicable air &amp; noise emission standards. These vehicles should be operated only during non-peak hours. The material loaded or unloaded should be covered (especially sand, excavated soil, etc.) before transportation to avoid fugitive emissions etc.</b><br><br>At present, total 3-4 dumpers and trucks are used in construction work. The PUC is being checked at the gate and it is ensured that vehicles are covered to avoid any fugitive emission etc. Tyre washing facility is also provided. | Being Complied         |
| xv.   | <b>Ambient noise levels should conform to prescribed residential standards both during day and night hours. Adequate measures should be made to reduce ambient air and noise level during construction and operation phase, so as to conform to the norms stipulated by CPCB/DPCC. Ambient air and noise monitoring should be done by an accredited lab and data should be submitted along with compliance report in every six month.</b><br><br>At preset no noise monitoring being done, however, reports submitted by the PA indicate that the noise level is within the limit.   | Being Complied         |



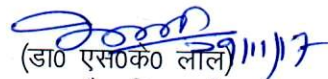
|        |   |                        |
|--------|---|------------------------|
| xvi.   | <p><b>Thick green belt of the adequate width and density, along with adequate tree plantation to create a buffer zone as per plan submitted, shall be raised along the periphery of the plot so as to provide protection against particulates and noise.</b></p> <p>PA submitted that total 40% of the area is used as green belt area. At present, total 1100 plants are planted and about 1000 plants along the boundary wall has been planted. PA has been advise that more plants are to be planted in proposed open space and in parking area and along the road side.</p>   | Agreed to comply with  |
| xvii.  | <p><b>All the surface run-off and roof top run-off should be harvested or alternatively be channelized and discharged into surface ponds to be located within the project site. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter, oil and grease. The depth of the bore for rainwater recharging should be kept in consultation with DJB. No wastewater (such as sewage, trade effluent, backwash of treatment unit, floor washing wastewater etc) should be discharged into the rainwater harvesting structure in order to avoid groundwater contamination.</b></p> <p>PA submitted that each new constructed block and hostel block will be having rainwater harvesting facilities as per the guidelines of CGWB.</p> | Agreed to comply with. |
| xviii. | <p><b>The ground water drawl during construction and operation phases should be done only with the prior permission of DJB. Until then, no ground water shall be used in construction activities. The ground water level and its quality should also be monitored regularly in consultation with DJB.</b></p> <p>No ground water is being used in construction activity. The water has been supplied by the Delhi Jal Board.</p>  | Agreed to comply with  |
| xix.   | <p><b>Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification dated September 14<sup>th</sup>, 1999 and amended as on August 27<sup>th</sup>, 2003.</b></p> <p>Fly ash bricks and blocks will be used in the building construction. The material of concrete used is also content 26% to 30% of fly ash.</p>  | Agreed to comply with. |
| xx.    | <p><b>Ready Mix Concrete must be used in building construction to minimize the use of water and also by use of pre-mixed concrete, curing agents and other best practices preferred.</b></p> <p>A ready mix concrete will be used in all construction work to minimize the water.</p>   | Agreed to comply with. |
| xxi.   | <p><b>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices preferred.</b></p>  | Agreed to comply with  |
| xxii.  | <p><b>Fixtures for toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control mechanism.</b></p>   | Agreed to comply with  |
| xxiii. | <p><b>Energy Conservation Building Code to be strictly adopted in all aspects of building design and construction.</b></p>  | Agreed to comply with  |
| xxiv.  | <p><b>Approval of competent authority shall be obtained for structural safety of the building due to earthquake. Adequacy should be ensured for firefighting equipments etc as per National Building Code including protection measures from lightening.</b></p> <p>The approval of structural safety as per NBC code has been approved by the Civil Department, IIT, Delhi on plan prepared by architect Kothari Brothers.</p>   | Agreed to comply with  |



|   |  |                       |
|---|--|-----------------------|
| xxv.  | 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 neighbors.<br><br>Supervision has been by CPWD for four units and NBCC for three units.  | Agreed to comply with |
| <b>II-Operational Phase:</b> Not yet started. |  |                       |
| <b>PART B- GENERAL CONDITIONS</b>             |  |                       |
| i.  | The environmental safeguards contained in the EIA Report should be implemented in letter and spirit & there will be no departure from the final project proposal as approval herein.   | Agreed upon           |
| ii.   | Officials from Ministry of Environment & Forests, Regional Office, Chandigarh and Delhi Pollution Control Committee, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/data on site by the project proponents during their site inspection. A complete set of all the documents submitted to SEAC should be forwarded to Ministry of Environment & Forests, Regional Office, Chandigarh & DPCC. Six monthly monitoring reports should also be submitted to Ministry of Environment & Forests, Regional Office, Chandigarh & DPCC. | Agreed                |
| iii.  | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEAC.   | Agreed                |
| iv.   | In compliance to Hon'ble High Court's Order dated 7th August, 2008, use, sale and storage of all kinds of plastic bags shall be forbidden.<br><br>No plastic bag or polyethylene bags are being used in the premises.  | Agreed to comply with |
| v.  | E-waste generated in the complex should be managed as per CPCB guidelines on E-waste management and disposed through approved e-waste recyclers.<br><br>As per CPCB guideline the e-waste is being disposed off through approved vendors/recyclers.  | Agreed to comply with |
| vi.   | State Environmental Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including the revoking of the environmental 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 to comply with |
| vii.  | All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, etc shall be obtained from the respective competent authorities.<br><br>PA has accorded NOCs from Fire Department, AAI and Department of Explosives.   | Agreed to comply with |
| viii.   | These stipulations would be enforced among others under the provisions of Water (Prevention and Control) Pollution Act, 1974, the Air (Prevention and Control) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006, as amended to date.  | Agreed                |

|     |   |                       |
|-----|---|-----------------------|
| ix. | The Project Proponent should prominently advertise in at least two local Newspapers widely circulated in the region indicating that the project has been accorded Environmental Clearance and copy of clearance is available with the DPCC and may also be seen on the website of DPCC at <a href="http://www.dpcc.delhigovt.nic.in">http://www.dpcc.delhigovt.nic.in</a> . The advertisement should be made within 10 days from the date of receipt of the Clearance letter. | Agreed to comply with |
| x.  | The Project Proponent should submit copy of Environmental Clearance to the Heads of Local bodies, Panchayats and Municipal bodies in addition to relevant offices of Government who in turn has to display the same for 30 days from the date of receipt.   | Being complied        |
| xi. | An 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.  | Agreed upon           |

PA has been advised to follow certain directions issued by Hon'ble National Green Tribunal, Delhi in OA no. 21/2014 and OA No. 95/2014 and order dated 10.04.2015 in respect of air pollution from dust resulting from demolition and construction activity.

  
 (डा० एस०के० लाल)  
 वैज्ञानिक "सी"