

| | |
|--------------------------|---|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisipur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

FORM-I

I. BASIC INFORMATION

| S. No. | Items | Details |
|--------|--|---|
| 1. | Name of the Project | Expansion of Educational Institute "IIT Ropar" |
| 2. | S. no. of the schedule | 8 (b) |
| 3. | Proposed capacity/acre/length/tonnage to be handled/command area / lease area/number of wells to be drilled | Total Plot Area = 19,47,913.87 m ² Net Plot Area = 18,79,956.63 m ² Total Built Up Area = 1,71,848.71 m ² |
| 4. | New/Expansion/Modernization | Expansion |
| 5. | Existing Capacity/Area etc. | Built Up Area : 1,01,072.21 m ² (Environment Clearance Letter enclosed as Annexure-I) |
| 6. | Category of Project i.e. 'A' or 'B' | Category 'B' as per EIA Notification 14 th September, 2006 and amended upto the date. |
| 7. | Does it attract the general condition? If yes, please specify | No |
| 8. | Does it attract the specific condition? If yes, please specify | No |
| 9. | Location (i) Plot/Survey/Khasra No. (ii) Village (iii) Tehsil (iv) District (v) State | Bara Phool & Nunowal, Gharisipur, Bara Surtanpur & Rattanpur. Rupnagar and Chamkaur Sahib Rupnagar Punjab |
| 10. | Nearest railway station/airport along with distance in km | <ul style="list-style-type: none"> Rupnagar Railway Station (8 km towards NE direction) Chandigarh Airport (46 km towards SE direction) |
| 11. | Nearest Town, City, District Headquarters along with distance in km | DC Office, Phagwara- Mohali Express Highway, Canal Colony, Rupnagar-140001, Punjab (Approx 6.62 km, ESE from the project site) |
| 12. | Village Panchayat, Zilla Parishad, Municipal Corporation, Local Body (completes postal address and telephone nos. to be given) | Municipal Corporation, Adda Markit, 12, Nangal Dam, Ropar-140124, Punjab. Phone No : 01887-224063 http://rupnagar.nic.in/ |
| 13. | Name of the Applicant | IIT Ropar |
| 14. | Registered Address | Nangal Road, Rupnagar-140001, Punjab |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | |
|-----|---|--|
| 15. | Address for correspondence Name Designation (Owner/Partner/CEO) Address Pin Code E-mail Telephone No. Fax No. | Prof. Sarit K. Das Director Nangal Road, Rupnagar, Punjab 140001 director@iitrpr.ac.in +91 1881-223391 +91 1881-223393 |
| 16. | Details of alternative Sites examined, if any Location of these sites should be shown on a Toposheet. | No alternative site was examined. The institute is being established under sub-section (2) of Section 1 of Institutes of Technology (Amendment) Act, 2012 (No. 34 of 2012) by the Central Government. The project site falls under education zone as per the land use plan of Roopnagar (2010-2031). |
| 17. | Interlinked Projects | No |
| 18. | Whether separate application of interlinked project has been submitted? | Not applicable |
| 19. | If yes, date of submission | Not applicable |
| 20. | If no, reason | Not applicable |
| 21. | Whether the proposal involves approval / clearance under: if yes, details of the same & their status to be given. (i) The Forest (Conservation) Act, 1980 (ii) The Wildlife (Protection) Act, 1972 (iii) The C.R.Z. Notification, 1991 | No The Project has obtained clearance under Forest (Conservation) Act, 1980 & Wildlife (Protection) Act, 1980 vide letter no. 1195 dated 28.10.2014. The copy of the same is attached as Annexure-II . Not Applicable. |
| 22. | Whether there is any Government Order / Policy relevant / relating to the site? | The institute is being established under sub-section (2) of Section 1 of Institutes of Technology (Amendment) Act, 2012 (No. 34 of 2012) by the Central Government. The copy of the same is attached as Annexure- III . |
| 23. | Forest Land involved (hectares) | No |
| 24. | Whether there is any litigation pending against the project and/or land in which the project is propose | No |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | |
|--|---|--|
| | to be set up? (i) Name of the court (ii) Case No. (iii) Orders/ directions of Court, if any and its relevance with the proposed project. | |
|--|---|--|

II. ACTIVITY

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies etc.)

| S. No | Information / Checklist | Yes/ No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data |
|-------|---|---------|---|
| 1.1 | Permanent or temporary change in land use, land cover or topography including increase in intensity of land-use (with respect to local land-use plan) | Yes | The institute is being established under sub-section (2) of Section 1 of Institutes of Technology (Amendment) Act, 2012 (No. 34 of 2012) by the Central Government. The project site falls under education zone as per the land use plan of Roopnagar (2010-2031). The institute covers the construction of academic zone, hostel zone, residential zone and utility zone which changes the land use. |
| 1.2 | Clearance of existing land, vegetation and buildings? | Yes | There are seasonal shrubs on the project site for the expansion which will be cleared. However; no building or existing land will be demolished/cleared. |
| 1.3 | Creation of new land uses? | No | The institute is being established under sub-section (2) of Section 1 of Institutes of Technology (Amendment) Act, 2012 (No. 34 of 2012) by the Central Government. The project site falls under education zone as per the land use plan of Roopnagar (2010-2031). |
| 1.4 | Pre-construction investigations e.g. bore houses, soil testing? | Yes | Pre-construction investigations such as hydro-geological investigation shall be carried out. |
| 1.5 | Construction works? | Yes | Expansion of the educational institute includes construction of academic zone, hostel zone, residential zone. Temporary labour hutments has been constructed for workers during construction phase. |

| | |
|--------------------------|---|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisapur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|------|---|-----|--|
| 1.6 | Demolition works? | No | No demolition work is required. |
| 1.7 | Temporary sites used for construction works or housing of construction workers? | Yes | Temporary hutments has been provided for dwelling of construction workers during construction phase. |
| 1.8 | Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations | Yes | The part of the expansion of the institute is a vacant land with no above ground building or structures; however excavation will be carried out for laying foundation. |
| 1.9 | Underground works including mining or tunneling? | No | No mining work or tunneling is required for the educational institute. |
| 1.10 | Reclamation works? | No | No reclamation work is required. |
| 1.11 | Dredging? | No | No dredging is required. |
| 1.12 | Offshore structures? | No | No Offshore structures are required. |
| 1.13 | Production and manufacturing processes? | No | There will be no production or manufacturing process involved in the expansion of the educational institute. |
| 1.14 | Facilities for storage of goods or materials? | Yes | Temporary storage room/yards will be constructed for storage of construction material. |
| 1.15 | Facilities for treatment or disposal of solid waste or liquid effluents? | Yes | Soak pits and waste collecting bins have been provided. During Operation phase, there is provision of 2 no. of Sewage Treatment Plants of capacity 500 KLD each for treatment of liquid effluents. Treated effluent will be reused within the project premises. Separate bins will be provided for collection of different type of wastes and will be disposed-off through authorized vendor. |
| 1.16 | Facilities for long term housing of operational worker | No | There are provisions of labour hutments within the project site which will last till the construction phase. |
| 1.17 | New road, rail or sea traffic during construction or operation? | No | The project site is well connected to Phagwara-Mohali Expressway, hence no new road, rail is required. Road traffic is likely to be impacted during construction and operation of project; however no change in rail and sea traffic is anticipated. |
| 1.18 | New road, rail, air waterborne or other transport infrastructure including new or altered routes | No | New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|------|--|-----|--|
| | and stations, ports, airports etc? | | are not proposed in the project. |
| 1.19 | Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements? | No | There will not be closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements because of project activities. |
| 1.20 | New or diverted transmission lines or pipelines? | No | Neither there is a proposal of a new transmission lines/pipelines nor any kind of diversion is proposed. |
| 1.21 | Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers. | No | There will not be any impoundment, damming, culverting, realignment or other changes likely to affect the hydrology of watercourses or aquifers. |
| 1.22 | Stream crossings? | No | There is no stream crossing in the vicinity of project area. |
| 1.23 | Abstraction or transfers of water form ground or surface waters? | No | There is no proposal of abstraction or transfers of water form ground or surface waters. |
| 1.24 | Changes in water bodies or the land surface affecting drainage or runoff? | No | In the expansion of the educational institute; adequate measures will be provided so that there will not be any change in the land surface affecting drainage or runoff. |
| 1.25 | Transport of personnel or materials for construction, operation or decommissioning? | Yes | Transport of personnel or materials for construction, operation will be arranged by the public conveyance or the by the trucks. |
| 1.26 | Long-term dismantling or decommissioning or restoration works? | No | The project doesn't involve long-term dismantling or decommissioning or restoration works. |
| 1.27 | Ongoing activity during decommissioning which could have an impact on the environment? | No | No decommissioning is proposed in the project. |
| 1.28 | Influx of people to an area in either temporarily or permanently? | Yes | There will be influx of people during construction phase. Approximately 1000 workers will be employed during construction phase, while during Operation phase 7442 people are estimated to be influxed which constitutes mainly permanent and floating population of residential zone, academic zone, hostel zone and common utility zone. |
| 1.29 | Introduction of alien species? | No | There will not be any introduction of alien species. Only native plant species will be used for landscaping. |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|------|--|----|--|
| 1.30 | Loss of native species or genetic diversity? | No | The plant species found in project area are common and native species will be planted during landscape development in order to compensate any loss of native species or genetic diversity. |
| 1.31 | Any other actions? | No | Not applicable |

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

| S.No. | Information /Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data |
|-------|--|---------|--|
| 2.1 | Land especially undeveloped or agricultural land (ha) | Yes | The land is undeveloped fallow land and the plot area is 481.34 acres. |
| 2.2 | Water (expected source & competing users) unit: KLD | Yes | Water requirement during construction phase comprises mainly of two parts i.e. fresh water for labourers i.e. approx. 45 KLD, which will be supplied through bottled cans and treated water for building constructions i.e. approx. 350 ML, will be treated water from the private water tanker. The maximum water requirement during operation phase will be about 912 KLD in summer season; which includes fresh water of 422 KLD and treated water of 490 KLD. Fresh water will be extracted from the borewell after seeking permission from the Central Ground Water Authority. |
| 2.3 | Minerals (MT) | Yes | Sand and stone aggregates will be used as Construction material. |
| 2.4 | Construction material-stone, aggregates, sand/ soil (expected source-MT) | Yes | The conventional construction material will be used. Energy efficient building materials will be used as specified in the Energy Conservation Building Code. The major materials used for the construction of the project shall be steel, cement, flyash bricks and auto-claved aerated concrete blocks, metal, flooring tiles/stones, sanitary and hardware items, electrical fittings and water etc. Source: Steel and cement will be procured from authorized vendors. |

| | |
|--------------------------|---|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisapur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|-----|--|-----|--|
| | | | Sand & aggregate will be procured from local material suppliers. |
| 2.5 | Forests and timber (source-MT) | Yes | The timber will be required for doors and window and will be purchased from local market. |
| 2.6 | Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW) | Yes | During the operation phase; power requirement will be 11,000 kVA, which will be supplied by Punjab State Electricity Board. There is provision of 9 Number of DG sets with capacity 8x500 kVA + 1x250 kVA for power back up in the project. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion. Fuel for DG sets will be purchased from nearby filling station. |
| 2.7 | Any other natural resources (use appropriate standard units) | No | No other natural resource will be involved in the project except the mentioned above. |

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

| S. No. | Information / Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/rates, wherever possible) with source of information data |
|--------|--|---------|---|
| 3.1 | Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies) | No | The proposed project is a building construction project hence, no storage of hazardous chemicals (as per MSIHC rules) will be done, except HSD required to run standby D.G. sets, for which the quantity stored will be below the threshold limit specified in the MSIHC rules. |
| 3.2 | Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases) | No | The better housekeeping in the campus of IIT Ropar will prevent the occurrence of disease or affect disease vectors. |
| 3.3 | Affect the welfare of people e.g. by changing living conditions? | Yes | The project will positively affect the welfare of people by employment during construction and operation phase. |
| 3.4 | Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc, | No | No effect is envisaged due to this project, as this is a construction of expansion of the educational institute. |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|-----|-----------------|----|----------------|
| 3.5 | Any other cause | No | Not Applicable |
|-----|-----------------|----|----------------|

III. Production of solid wastes during construction or operation or decommissioning (MT/month)

| S. No. | Information / Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/ rates, wherever possible) with source of information data |
|--------|--|---------|--|
| 4.1 | Spoil, overburden or mine wastes. | No | No such spoil, overburden, or mine wastes will be generated in this project. About 50,757.28 cubic meter of soil will be excavated for laying down foundation of the expansion part; all the excavated soil will be reused in backfilling and landscape development within the project site. |
| 4.2 | Municipal waste (domestic and or commercial wastes) | Yes | After the expansion; about 3240.28 kg/day of solid waste is expected to be generated from the project. The municipal solid waste will be managed as per the provision of Solid Waste Management Rules, 2016. |
| 4.3 | Hazardous wastes (as per Hazardous Waste Management Rules) | Yes | The hazardous wastes are expected to be generated from the educational institute and it will be managed as the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. |
| 4.4 | Other industrial process wastes | No | Not applicable |
| 4.5 | Surplus product | No | Not applicable |
| 4.6 | Sewage sludge or other sludge from effluent treatment | Yes | Sludge will be generated from the effluent treatment through STP which will be reused in the landscape development after dewatering. |
| 4.7 | Construction or demolition wastes | Yes | Construction waste generation will be limited to the construction phase only and will be limited to project site only. These will be reused for backfilling after manual segregation. Unusable and excess construction debris will be disposed at designated places in tune with the local norms. These wastes will be used for road development activities. |
| 4.8 | Redundant machinery or equipment | No | No redundant machinery or equipment is involved. |
| 4.9 | Contaminated soils or other | No | No contaminated soils or other materials are |

| | |
|--------------------------|---|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisipur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|------|---------------------|-----|--|
| | materials | | involved. |
| 4.10 | Agricultural wastes | Yes | Approx. 27.43 kg/day of the agricultural waste is envisaged to be generated. |
| 4.11 | Other solid waste | No | Not applicable. |

IV. Release of pollutants or any hazardous, toxic or noxious substances to air (kg/hr).

| S. No. | Information / Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/rates, wherever possible) with source of information data |
|--------|---|---------|---|
| 5.1 | Emissions from combustion of fossil fuels from stationary or mobile sources | Yes | The operation of project does not envisage any major air pollutant generating sources except D.G. sets and vehicular movement. The DG sets will be the only source of Air emission used during the operation phase in case of power failure. The DG Stacks of adequate height will be provided (as per the CPCB norms) to disperse the pollutants generated from D.G Sets. The Pollution generated from the vehicular movement will be check by maintenance & regular checkup of vehicle & local native plants will be use in tree plantation all around the project site and road side to reduce the impact of pollution. |
| 5.2 | Emissions from production processes | No | There is no production process involved in the development of educational institute. |
| 5.3 | Emissions from materials handling including storage or transport | Yes | There will be emissions from material handling, however utmost care will taken during material storage & handling as per environment management plan such as covering of construction material during transportation and storage etc. |
| 5.4 | Emissions from construction activities including plant and equipment | Yes | There will be emission from construction activities however that will be kept minimum by following best building construction practices such as barricading, providing dust screens, regular water sprinkling etc. |
| 5.5 | Dust or odors from handling of materials including construction materials, sewage and waste | Yes | Dust is likely to be generated during construction. Water sprinkler and tarpaulin covers will be provided over stored raw material to reduce dust emission. On site sanitation facilities will be provided for |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisपुर, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|-----|---|----|--|
| | | | construction workers during construction phase. Hence, no odour generation is envisaged. |
| 5.6 | Emissions from incineration of wastes | No | No incineration of wastes is proposed in educational institute. |
| 5.7 | Emissions from burning of waste in open air (e.g. slash materials, construction debris) | No | No burning of waste is proposed in campus of IIT Ropar. |
| 5.8 | Emissions from any other sources | No | Not applicable |

V. Generation of Noise and Vibration, and Emissions of Light and Heat.

| S. No. | Information /Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/rates, wherever possible)with source of information data |
|--------|---|---------|---|
| 6.1 | From operation of equipment e.g. engines, ventilation plant, crushers | Yes | The machinery which will be used for construction will be of high standard and will adhere to international standard. These standards itself take care of noise pollution control/ vibration control and air emission control. Hence insignificant impacts due to construction machinery are envisaged. Apart from this, the construction activities will be restricted to daytime only. Sources of noise in the operational phase will be D.G. sets and from vehicular movements only. D.G. sets will be enclosed with acoustic enclosures. The D.G. sets will be used during power failure only and will generate noise level below 25 dB (A). |
| 6.2 | From industrial or similar processes | No | No industrial processes are involved in the educational institute project. |
| 6.3 | From construction or demolition | Yes | Due to the various construction activities, there will be short-term noise impacts in the immediate vicinity of the project site. The construction activities will include the following noise generating activities: Excavation activities, Concreting and mixing, Construction plant, Heavy vehicle movement and Operation of D.G. sets. |
| 6.4 | From blasting or piling | No | No blasting is proposed and piling will be done in way that does not emanate noise pollution. |
| 6.5 | From construction or operational traffic | Yes | Some noise will be generated from vehicular movement in the construction and operational phase. Local native plants will be used in tree plantation all around the project site and road side to reduce the |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | | |
|-----|----------------------------------|-----|--|
| | | | impact of the air and noise pollution. |
| 6.6 | From lighting or cooling systems | Yes | Machineries and equipment for lightening and cooling system having acoustic enclosure will be used to control noise pollution. |
| 6.7 | From any other sources | No | Not applicable |

VI. Risks of contamination of land or water from releases of pollutants into the Ground or into sewers, surface waters, groundwater, coastal waters or the sea:

| S. No. | Information/Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/rates, wherever possible)with source of information data |
|--------|--|---------|--|
| 7.1 | From handling, storage, use or spillage of hazardous materials | Yes | The used oil from D.G sets will be carefully stored in HDPE drums at isolated storage and periodically sold to authorized recyclers. All precaution will be taken to avoid spillage from storage as per the provisions of Hazardous Waste Rules,2016 |
| 7.2 | From discharge of sewage or other effluents to water or the land(expected mode and place of discharge) | No | There will be no discharge of untreated sewage on land or into water bodies. Adequate treatment of sewage will be carried out in the 2 no. of STP of capacity 500 KLD each. All the treated sewage from STP will be reused in flushing, landscaping, HVAC leading to zero liquid discharge. |
| 7.3 | By deposition of pollutants emitted to air into the land or into water | Yes | Minor air emissions will be generated due to increased vehicular movement and occasional use of D.G. sets for which effective measures will be taken like adequate greenbelt development and use of low sulphur diesel in D.G. sets etc. So there would not be any deposition of pollutants emitted to air, land or water. |
| 7.4 | From any other sources | No | No any other sources are involved except the mentioned above. |
| 7.5 | Is there a risk of long term buildup of pollutants in the environment from these sources? | No | There is no risk of long term buildup of pollutants in the environment. |

VII. Risk of accidents during construction or operation of the Project, which could affect human health or the environment.

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| S. No. | Information /Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/rates, wherever possible)with source of information data |
|--------|---|---------|---|
| 8.1 | From explosions, spillages, fires etc from storage, handling, use | No | The project does not involve major hazardous construction activity. Hence chances of explosions, spillages, fires etc. are minimal. During construction, suitable personal protective equipment will be provided to all construction workers as required under the health & safety norms. Awareness & Training about safety norms will be provided to all the supervisors and construction workers involved in construction activities. No major hazardous waste will be stored within project site. No industrial or process activity is involved in this project hence chances of chemical hazards and accidents are minimal. However, suitable firefighting measures will be provided to reduce chances of fire-accidents. |
| 8.2 | From any other causes | No | Not applicable |
| 8.3 | Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)? | No | The project is protected by approx 5 meter high flood embankment towards south therefore no chance of flooding. Project lies in zone IV of BIS seismic zone classification, the project has been designed considering the risk of earthquake. The project site is a plain land therefore no chances of landslide. |

VIII. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality.

| S. No. | Information /Checklist confirmation | Yes/ No | Details thereof (with approximate quantities/rates, wherever possible)with source of information data |
|--------|---|---------|---|
| 9.1 | Lead to development of supporting utilities, ancillary development or development stimulated by the project | Yes | It may lead to development of supporting services and infrastructure in and around the area. |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisipur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupnagar, Punjab |

8(b)

Form I

| | | | |
|-----|--|-----|--|
| | which could have impact on the environment e.g. | | |
| | a) Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) | Yes | New road power supply, waste or waste water treatment facilities will be developed to cater the needs of the educational institute project after its expansion. |
| | b) Housing development | Yes | The expansion of the educational institute will lead to the development of the residential quarters within the campus. |
| | c) Extractive industries | No | Extractive industries are absent in the region therefore no change is anticipated. |
| | d) Supply industries | No | Not Applicable |
| | e) Other | No | Not applicable |
| 9.2 | Lead to after-use of the site, which could have an impact on the environment | Yes | The expansion of the educational institute project will lead a planned development and will have a positive impact on the environment. |
| 9.3 | Set a precedent for later developments | No | Not applicable |
| 9.4 | Have cumulative effects due to | Yes | The educational institute project lies in Rupnagar where many other projects of similar nature are existing and proposed. A better-planned and executed project has to yield better result individually. |

IX. ENVIRONMENTAL SENSITIVITY

| S. No. | Areas | Name/ Identity | Aerial distance (within 15km.) Proposed project location boundary |
|--------|---|--|--|
| 1 | Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value | Nangal Hydrel Channel, Ropar | Approx. 7.8 km (N) |
| 2 | Areas which are important or sensitive for ecological reasons- Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests | Satluj River Budki Nadi Siswan Nadi Sirhind Canal Katar Dhar Protected Forests Sadabarar Reserve Forest | Approx. 1.3 km (N) Approx. 1.5 km (SW) Approx. 5 km (SW) Approx. 6.7 km (SE) Approx. 4.35 km (NE) Approx. 7.3 km (NE) |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| S. No. | Areas | Name/ Identity | Aerial distance (within 15km.) Proposed project location boundary |
|--------|--|--|---|
| 3 | Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration | Satluj River Budki Nadi Siswan Nadi Sirhind Canal Katar Dhar Protected Forests Sadabarat Reserve Forest | Approx. 1.3 km (N) Approx. 1.5 km (SW) Approx. 5 km (SW) Approx. 6.7 km (SE) Approx. 4.35 km (NE) Approx. 7.3 km (NE) |
| 4 | Inland, coastal, marine or underground waters | Satluj River Budki Nadi Siswan Nadi Sirhind Canal | Approx. 1.3 km (N) Approx. 1.5 km (SW) Approx. 5 km (SW) Approx. 6.7 km (SE) |
| 5 | State, National boundaries | None | Not Applicable |
| 6 | Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas | None | Not applicable |
| 7 | Defense installations | None | Not applicable |
| 8 | Densely populated or built-up area | Phool | Approx. 4.29 km SE |
| 9 | Areas occupied by sensitive manmade land uses (<i>hospitals, schools, places of worship, community facilities</i>) | Max City Hospital Rayat International School Gurudwara Tibi Sahib | Approx. 5.75 km SE Approx. 3.16 km NE Approx. 5.95 km NE |
| 10 | Areas containing important, high quality or scarce resources (<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>) | Satluj River Budki Nadi Siswan Nadi Sirhind Canal Katar Dhar Protected Forests Sadabarat Reserve Forest | Approx. 1.3 km (N) Approx. 1.5 km (SW) Approx. 5 km (SW) Approx. 6.7 km (SE) Approx. 4.35 km (NE) Approx. 7.3 km (NE) |
| 11 | Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>) | None | Not Applicable |
| 12 | Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides erosion, flooding or extreme or adverse</i>) | None | The area under study falls in Zone-IV, according to the Indian Standard Seismic Zoning Map. Suitable seismic coefficients in horizontal and vertical directions |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

| |
|---------------|
| 8(b) |
| Form I |

| S. No. | Areas | Name/ Identity | Aerial distance (within 15km.) Proposed project location boundary |
|--------|-----------------------------|----------------|--|
| | <i>climatic conditions)</i> | | respectively, will be adopted while designing the structures to mitigate the seismic impacts. There are no possibilities of the project site getting flooded as per records available. |

X. Proposed Terms of Reference: Applicable. The draft proposed TOR are detailed below;

Introduction (Site & Surroundings)

A brief description of the project, nature, size, location and connectivity by road / rail of the project including land description/plot/survey/Khasra Nos., Village, Tehsil, District, State and extent of the land.

A contour survey plan showing the project site and its surroundings with physical features and topographical details, such as land use, contours and drainage pattern, along with photographs of the site from all four sides would be included in background information.

Baseline Environmental Data: -

Baseline data of existing situation including description of terrain, slopes and elevation. Baseline data on flora and fauna based on field survey clearly indicating the details of site and surroundings.

The meteorological data consisting of climatic conditions, wind pattern, wind speeds, history of cyclones, wind direction, rainfall, temperature and humidity in the study area.

The baseline data on ground water, present quality and their utility, depth of ground water table etc.

Details of Ambient Air Quality (AAQ) based on the many other factors such as, background pollution levels, other sources of pollution, weather and proximity of residential areas.

Examine the soil quality of the site and surroundings.

Water, Waste Water & Rain Water

Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc.

Explore all possibilities for sources of water during construction phase and operation phase.

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

| |
|---------------|
| 8(b) |
| Form I |

Explore possibilities of using treated water from STP for construction purposes. The disposal scheme of treated from the proposed project plans will be made to maximize recycling of water .

Preparation of water audit and water balance chart.

Rainwater harvesting plan shall be prepared taking into account meteorological, soil & ground water characteristics.

Rain water harvesting scheme would be developed as per the CGWB guidelines.

Solid Waste, Hazardous Waste & E-Waste Management

Details on types of waste which are generated like construction waste, demolition waste and municipal solid waste, hazardous waste.

Odour mitigation plan from solid waste processing area will be described. Arrangements for hazardous waste management will be described.

Conservation Of Natural Resources

Identification of locally available construction material and its use. Explore the possibilities of using fly ash in the project.

Green Area Development Plan

Provision of green cover as a measure for mitigation of dust and noise and buffer between habitation and proposed project will be made.

Energy Conservation Measures & Renewable Energy

Application of renewable energy / alternate energy such as solar will be described including solar water heating & lighting.

Applicability of various provisions and norms of Energy Conservation Building Code (ECBC) code will be explored in building design, maintenance & performance.

Environment Management Plan

Details regarding the precautionary measures to be taken during transportation of the construction material.

Green Area development plan with thick green belt of adequate width with all around the project site. The identification of species/ plants based on the botanical studies.

The details on estimated cost of development of the project, environmental costs.

The details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.

Information on Administrative and technical set up for management of environment.

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunawal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

Disaster Management Plan

The details of activities associated with construction and operations such as Occupational hazards due to exposure, Fire and / or explosion, Leakage of flammable material, Release of toxic material etc.

Environmental Corporate Responsibility

Details of Environmental Corporate Responsibilities (ECR). The generic structure of the EIA report shall be as per the guideline as prescribed in Appendix III of the Gazette Notification of the Ministry of Environment and Forests, Govt. of India dated 14th September 2006.

The generic structure of the EIA will be as described in below table:

| S. No. | EIA Structure | Contents |
|--------|---------------------|--|
| 1 | Introduction | <ul style="list-style-type: none"> • Purpose of the report • Identification of project & project proponent • Brief description of nature, size, location of the project and its importance to the country, region • Scope of the study – details of regulatory scoping carried out |
| 2 | Project Description | <p>Condensed description of those aspects of the project (based on project feasibility study), likely to cause environmental effects. Details will be provided to give clear picture of the following:</p> <ul style="list-style-type: none"> • Type of project • Need for the project • Location (maps showing general location, specific location, project boundary & project site layout) • Size or magnitude of operation (incl. Associated activities required by or for the project) • Proposed schedule for approval and implementation • Technology and process description • Project description. Including drawings showing project layout, components of project etc. Schematic representations of the feasibility drawings which give • information important for EIA purpose • Description of mitigation measures incorporated |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

| | | |
|---|---|--|
| | | <p>into the project to meet environmental standards, environmental operating conditions, or other EIA requirements (as required by the scope)</p> <ul style="list-style-type: none"> Assessment of New & untested technology for the risk of technological failure |
| 3 | Description of the Environment | <ul style="list-style-type: none"> Study area to be within 10 km of the project site, period – non monsoon Parameters of Monitoring: Ambient Air Quality Ambient Noise Level Ground Water Quality Surface Water Quality Soil Quality |
| 4 | Anticipated Environmental Impacts & Mitigation Measures | <ul style="list-style-type: none"> Details of Investigated Environmental impacts due to project location, possible accidents, project design, project construction, regular operations, final decommissioning or rehabilitation of a completed project Measures for minimizing and / or Mitigation measures offsetting adverse impacts identified Irreversible and Irretrievable commitments of environmental components Assessment of significance of impacts (Criteria for determining significance, Assigning significance) |
| 5 | Environmental Monitoring Program | <ul style="list-style-type: none"> Technical aspects of monitoring the effectiveness of mitigation measures (incl. Measurement methodologies, frequency, location, data analysis, reporting schedules, emergency procedures, detailed budget & procurement schedules) |
| 6 | Additional Studies | <ul style="list-style-type: none"> Risk assessment |
| 7 | Project Benefits | <ul style="list-style-type: none"> Improvements in the physical infrastructure Improvements in the social infrastructure Employment potential –skilled; semi-skilled and unskilled Other tangible benefits |
| 8 | EMP | <ul style="list-style-type: none"> Description of the administrative aspects of |

| | |
|--------------------------|---|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharisipur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

| |
|---------------|
| 8(b) |
| Form I |

| | | |
|----|-----------------------------------|--|
| | | <p>ensuring that mitigative measures are implemented and their effectiveness.</p> <ul style="list-style-type: none"> • monitored, after approval of the EIA |
| 9 | Summary & Conclusion | <ul style="list-style-type: none"> • Overall justification for implementation of the project Explanation of how, adverse effects have been mitigated. |
| 10 | Disclosure of Consultants engaged | <ul style="list-style-type: none"> • The names of the Consultants engaged with their brief resume and nature of Consultancy rendered |

| | |
|--------------------------|--|
| Project Name | Environment Clearance for Expansion of Educational Institute "Indian Institute of Technology, Ropar" |
| Project Proponent | IIT Ropar |
| Project Address | Village Bara Phool & Nunowal of Tehsil Rupnagar & Village Gharispur, Bara Surtanpur & Rattanpur of Tehsil Chamkaur Sahib, District Rupanagar, Punjab |

8(b)

Form I

I hereby give an undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

Date: 24.1.2017

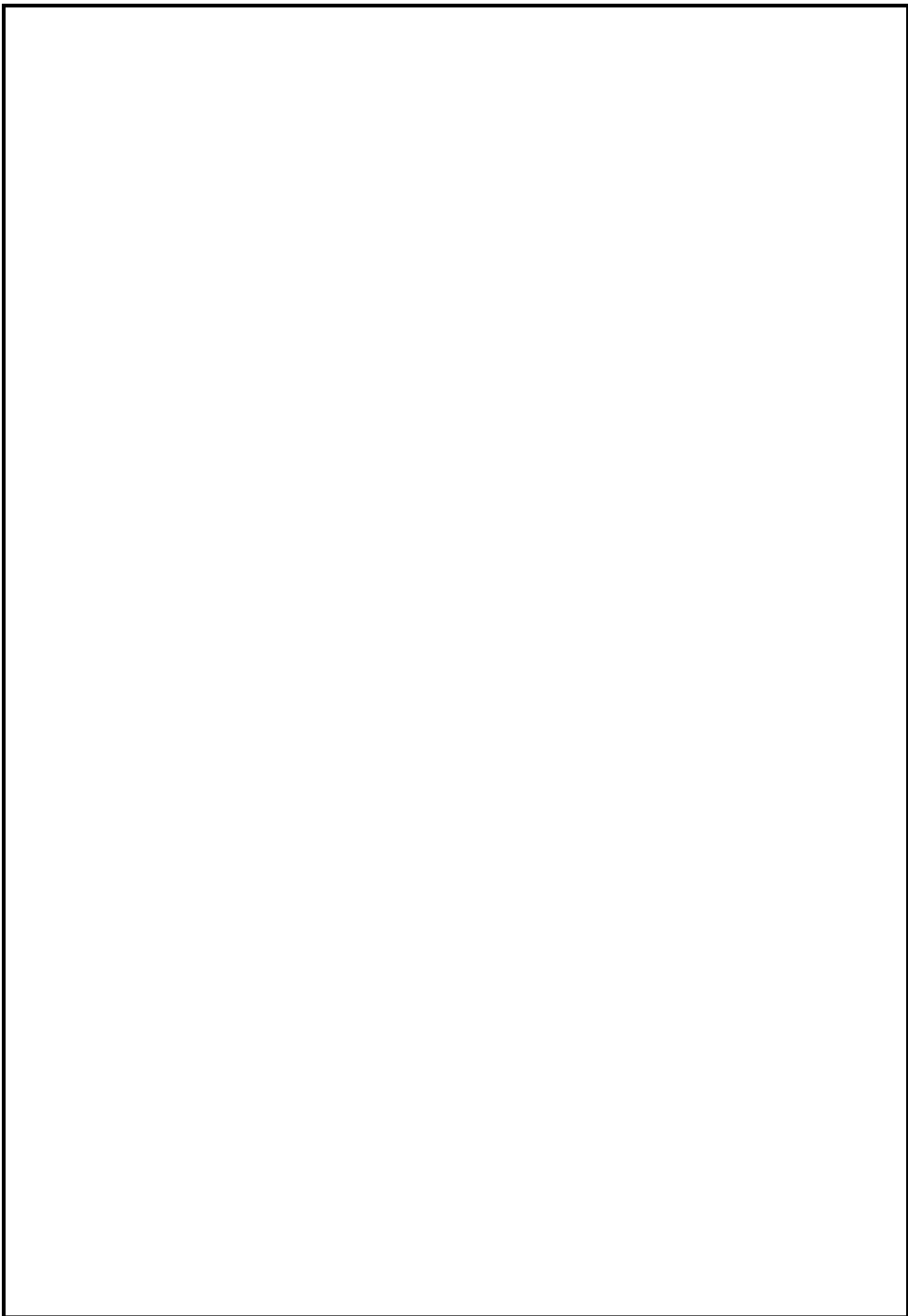
Place: Ropar, Punjab


Sanjay Bhatnagar
Registrar
IIT Ropar

Note:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t C.R.Z (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the CRZ notifications, 1991 for the activities to be located in the CRZ.
2. The Projects to be located within 10km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC).
3. All correspondence with Ministry of Environment & Forests including submission of application for the TOR/Environment Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC/SEAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.





Annexure – I
Environment Clearance Letter



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment, Forests and Climate Change, Government of India
O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

JIT Ropar

No. SEIAA/M.S./ **18**

Registered

Dated: **07.01.15**

To

The Registrar,
Indian Institute of Technology (IIT),
Nangal Road, Ropar Nagar

Subject: Environmental clearance under EIA Notification dated 14.09.2006 for establishment of "Indian Institute of Technology" at Bara Rupnagar, Ropar by M/s Indian Institute of Technology Ropar.

This has reference to your application and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project (Phase-1 only), as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A & conceptual plan and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves establishment of educational complex namely "Indian Institute of Technology" at Bara Rupnagar, Ropar by M/s Indian Institute of Technology Ropar. The total plot area of the project for phase-1 is 2,20,653.77 sqm having the total built up area 1,01,072.21 sqm. The change of land use (CLU) has been granted by the Chief Town Planner, Punjab vide letter No. 4344 CTP (Pb)/SP-432 (R) dated 05.08.2014 for an area measuring 466.69 acres. The layout plan has been approved by the Department of Town & Country Planning (CTP, Punjab) vide letter no. 6689 CTP (Pb) SR-88 dated 14.11.2014. The cost of the project is Rs.400 crores.

The total water requirement for the project will be 434 KL/day, out of which 201 KL/day will be met through own tubewell and remaining 233 KL/day will be met through recycling of treated wastewater. The total wastewater generation from the project will be 247 KL/day, out of which 245 KL/ day will be treated in a STP of capacity 300 KL/day & 2 KL/ day generated from laboratories will be treated in an ETP of capacity 5 KL/day to be installed within the project premises. The project proponent has proposed to use 85 KL/day of treated wastewater for flushing purpose, 36 KL/day will be used for irrigation of green area and 112 KL/day will be used for HVAC cooling. Treated water from ETP shall be utilized onto land for plantation/irrigation within the premises during all seasons. In winter season, 85 KL/day of treated wastewater will be used for flushing purpose, 36 KL/day will be used for irrigation of green area, 112 KL/ day will be used for HVAC cooling. In rainy season, 197 KL/day of treated wastewater will be used for flushing

4

& HVAC purpose and remaining 36 KL/day will be discharged onto land for irrigation/plantation.

The total quantity of solid waste generation will be 956 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste would be treated by Vermi-composting. The non-biodegradable and recyclable waste will be sold to recyclers. Since the waste will be treated on the site & will not be disposed of to Municipal site, approval of MC is not required. The total load of electricity required for group housing will be 5700 KW which will be taken from the PSPCL. There is a proposal to install 7 nos. of DG sets of total 3500 KVA capacity shall be installed as stand-by arrangement. The total parking area will be provided for 2420 ECS. Green belt will be developed in an area of 30000 sqm, which will be irrigated with treated wastewater.

The e-waste will be handled and managed as per the E-waste (Management & Handling) Rules, 2011. The used oil from the D.G. sets will be stored in an isolated place and would be sold out to the approved recyclers as per the provisions of the Hazardous Waste (Management, Handling & Transboundary Movement), Rules, 2008. LED bulbs/lights will be used instead of CFL bulbs/lights.

Central Public Works Department (CPWD) will be responsible for implementation of EMP during construction phase. Rs. 215 lacs of capital cost will be incurred for implementation of EMP and Rs.39.5 lacs/annum will be incurred on account of recurring charges. After construction phase, Registrar, IIT Ropar will be responsible for implementation of EMP.

Earlier, the project proponent had applied to MoEF on 21.02.2014 for obtaining environmental clearance as required under the EIA Notification dated 14.09.2006 for establishment of "Indian Institute of Technology" at Bara Rupnagar, Ropar, because the SEIAA, Punjab was not in existence. Thereafter, the application has been transferred by MoEF to SEIAA, Punjab in original vide letter dated 13.08.2014. The case was considered by the SEAC in its 101st meeting held on 18.09.2014, wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it, therefore, the Committee awarded '**Silver Grading**' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent under EIA notification dated 14.09.2006 subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 74th meeting held on 24.12.2014. The SEIAA observed that the case stands recommended by SEAC and the Committee awarded '**Silver Grading**' to the project proposal. The Authority looked into all the aspects of the project proposal in detail and was satisfied with the same.

Therefore, the Authority decided to grant environmental clearance for establishment of 'Indian Institute of Technology' in an area of 2,20,653.77 sqm having total built up area of 1,01,072.21 sqm (For Phase-1) at Nangal Road, Roopnagar,

subject to the conditions as proposed by the SEAC, in addition to the proposed measures. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

PART A – Specific conditions

I. Construction Phase

- (i) The project proponent shall obtain prior permission from Govt. of India/National Board of Wild Life (NBWL) under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972, etc. as applicable and the promoter company shall not carry out any construction activity at site till the said permission(s) are obtained and the copy of the same be submitted to the SEIAA, Punjab. The grant of environmental clearance does not necessarily imply that the forest and wildlife clearance shall be granted to the project and the proposal for grant of forest and wildlife clearance will be considered by the respective authorities on merits.
- (ii) "Consent to establish" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority before the start of any construction work at site.
- (iii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (iv) A first aid room will be provided in the project both during construction and operation phase of the project.
- (v) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vi) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority.
- (vii) Construction spoils, including bituminous material and other hazardous material, 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 groundwater.
- (viii) The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.
- (ix) Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should conform to applicable air and noise emission standards.
- (x) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- (xi) Fly ash should be used as construction material in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003.
- (xii) Ready mixed concrete should be used in building construction as far as possible.
- (xiii) Water demand during construction should be reduced by use of premixed concrete, curing agents, use of treated wastewater for construction and other best practices.
- (xiv) Separation of drinking water supply and treated sewage supply should be done by the use of different colours.

6

- (xv) 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.
- (xvi) Adequate steps shall be taken to conserve energy by taking adequate measures such as proper building design and orientation, use of LED & CFL lightening fixtures, use of solar photo voltaic light for street lightening, energy efficient electrical equipments, limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.
- (xvii) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning.
- (xviii) 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, disposal of waste water & solid waste in an environmentally sound manner, 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.
- (xix) The project proponent shall provide a 15m green buffer zone towards the air polluting industry, if any, to attenuate the noise as well as air pollution being generated from the air polluting industry adjacent to the project site.
- (xx) The project proponent shall provide holding tanks of sufficient capacity (at least 24 hours storage) for treated as well as untreated wastewater for handling any emergency situation which may arise due to failure of STP/no demand for irrigation etc.

II. Operation Phase

- i) The project proponent shall ensure that the natural flow of run-off water be continued without any disturbance/obstruction. The Institute will not hinder the natural flow of drainage water passing through the campus. The project proponent shall further comply with all the conditions as imposed by Water Management & Investigation Division, Roop Nagar vide letter no. 1175 dated 26.06.2014.
- ii) The installation of sewage treatment plant (STP) and effluent treatment plant (ETP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests and State Level Environment Impact Assessment Authority before the project is commissioned for operation. The project proponent shall use 85 KL/day of treated wastewater for Flushing purpose, 36 KL/day for irrigation of green area and 112 KL/day for HVAC cooling. Treated water from ETP shall be utilized onto land for plantation/irrigation within the premises during all seasons. In winter season, 85 KL/day of treated wastewater shall be used for flushing purpose, 36 KL/day for irrigation of green area, 112 KL/ day for HVAC cooling. In rainy season, 197 KL/day of treated wastewater shall be used for flushing & HVAC purpose and remaining 36 KL/day for onto land for irrigation/plantation.
- iii) The project proponent will construct rainwater harvesting reservoir/water retention body for storm water management as proposed.
- iv) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.
- v) Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.
- vi) Adequate treatment facility for drinking water shall be provided, if required.
- vii) The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inerts shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately

- be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.
- viii) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.
 - ix) The green belt 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 species/variety.
 - x) The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.
 - xi) Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.
 - xii) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating;
 - xiii) 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 even for parking of visitor's vehicles.
 - xiv) A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MOEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.
 - xv) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.

PART B – General Conditions :

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) will continue to be borne by the project proponent. CPWD will be responsible for implementation of EMP during construction phase and after the lapse of the period (construction phase) the project proponent will be responsible for the implementation of EMP.
- iv) 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 mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA.
- v) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board 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 State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.

- vi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
- vii) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- viii) 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, by the project proponent from the competent authorities including Punjab Pollution Control Board and from other statutory bodies, as applicable.
- ix) 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 Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh.
- x) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- xi) 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 and decisions of any competent court, to the extent applicable.
- xii) The project proponent shall comply with the conditions of CLU granted by the Chief Town Planner, Punjab vide Memo No. 4344 CTP (Pb)/SP-432 (R) dated 05.08.2014.
- xiii) The project proponent shall obtain permission from CGWA for abstraction of 201 KLD groundwater.
- xiv) 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.
- xv) 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; PM_{2.5}, PM₁₀, SO₂, NO_x, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xvi) The project proponent shall adhere to the commitments made in the Environment Management Plan. During construction phase, Rs. 215 lacs of capital cost will be incurred for implementation of EMP and Rs.39.5 lacs/annum will be incurred on account of recurring charges. After the lapse of the period (construction phase) for which CPWD is responsible, IIT Ropar will be responsible for implementation of EMP.
- xvii) The project proponent shall undertake the activities under Corporate Social Responsibility programme and shall spend 1% of total project cost or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.
- xviii) The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of

the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.

- xix) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shiv
Member Secretary (SEIAA)

REGISTERED

Endst. No. _____

Dated _____

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
4. The Deputy Commissioner, Roopnagar.
5. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Director (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the applicant : Sh. A. Palanivel, Registrar
 - b) Contact Number : 01881-227079
 - c) Email : registrar@itrpr.ac.in
7. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
8. Monitoring Cell, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
9. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying this document on the web site of the State Level Environment Impact Assessment Authority.

Shiv
Member Secretary (SEIAA)

Annexure – II
Forest NOC



ਨੰਬਰ...1195.....

ਮਿਤੀ 28/10/2014

ਵੱਲੋਂ:

ਵਣ ਮੰਡਲ ਅਫ਼ਸਰ (ਜੰ:ਜੀਵ),
ਰੂਪਨਗਰ।

ਵੱਲੋਂ:

✓ ਸ੍ਰੀ ਟੀ.ਐਸ.ਆਨੰਦ,
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਆਈ.ਆਈ.ਟੀ., ਰੋਪੜ।

ਵਿਸ਼ਾ :- **Clearance under Forest (Conservation) Act, 1980 & Wildlife (Protection) Act, 1980 for Setting up of IIT Ropar.**

ਹਵਾਲਾ :- ਆਪ ਜੀ ਦਾ ਪੱਤਰ ਐਫ.ਨੰਬਰ. 12-(16)/14/ਆਈ.ਆਈ.ਟੀ.ਆਰ.ਪੀ.ਆਰ/2436 ਮਿਤੀ 30-9-2014

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਰਾਹੀਂ ਆਪ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਭਾਰਤੀ ਉਦਯੋਗਿਕ ਸੰਸਥਾ, ਰੋਪੜ ਵੱਲੋਂ ਪਿੰਡ ਬੜਾਫੂਲ, ਨਾਨੋਵਾਲ (ਤਹਿਸੀਲ ਰੋਪੜ) ਅਤੇ ਘੜੀਸਪੁਰ, ਬੜਾ ਸੁਰਤਾਪੁਰ, ਰਤਨਪੁਰ (ਤਹਿਸੀਲ ਚਮਕੌਰ ਸਾਹਿਬ) ਜਿਲ੍ਹਾ ਰੂਪਨਗਰ ਵਿਖੇ ਸਥਾਪਿਤ ਕੀਤੇ ਜਾ ਰਹੇ ਯੂਨਿਟਸ ਲਈ ਜੰਗਲੀ ਜੀਵ ਸੁਰੱਖਿਆ ਐਕਟ, 1972 ਤਹਿਤ ਕਲੀਅਰੈਂਸ ਦੀ ਕੋਈ ਲੋੜ ਨਹੀਂ ਹੈ।

ਵਣ ਮੰਡਲ ਅਫ਼ਸਰ (ਜੰ:ਜੀਵ)
ਰੂਪਨਗਰ।

ਪਿੱਠ ਅੰਕਣ ਨੰਬਰ _____ ਮਿਤੀ _____

ਇਸ ਦੀ ਇੱਕ ਨਕਲ ਵਣ ਰੇਂਜ ਅਫ਼ਸਰ (ਜੰ: ਜੀਵ), ਮੁਹਾਲੀ ਐਟ ਰੂਪਨਗਰ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਪੱਤਰ ਨੰਬਰ 90 ਮਿਤੀ 01-10-2014 ਦੇ ਹਵਾਲੇ ਵਿਚ ਸੂਚਨਾ ਲਈ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।

ਵਣ ਮੰਡਲ ਅਫ਼ਸਰ (ਜੰ:ਜੀਵ)
ਰੂਪਨਗਰ।

Annexure – III
Central Govt. Gazette Notification



भारत का राजपत्र The Gazette of India

अज्ञापारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्रधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 1221]
No. 1221]

नई दिल्ली, सोमवार, जुलाई 2, 2012/आषाढ़ 11, 1934
NEW DELHI, MONDAY, JULY 2, 2012/ASADHA 11, 1934

मानव संसाधन विकास मंत्रालय
(उच्चतर शिक्षा विभाग)
अधिनियम
नई दिल्ली, 29 जून, 2012

क्र.आ. 1456(अ).—केंद्र सचिव, प्रौद्योगिकी संस्थान (संशोधन) अधिनियम, 2012 (2012 की सं. 34) का प्रा. की उप-धारा (2) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए 29 जून, 2012 को उस तिथि के रूप में चिन्तित करती है जिसका उक्त अधिनियम को उपबंध लागू होगा।

[सं. सं. 8-5/2008-टीएस-1 (खंड-IV)]

अमित शर्मा, अ.स. सचिव

MINISTRY OF HUMAN RESOURCE
DEVELOPMENT
(Department of Higher Education)
NOTIFICATION
New Delhi, the 29th June, 2012

S.O. 1456(E).—In exercise of the powers conferred by sub-section (2) of Section 1 of the Institutes of Technology (Amendment) Act, 2012 (No. 34 of 2012), the Central Government hereby appoints 29th day of June, 2012 as the date on which the provisions of the said Act shall come into force.

[F.No. 8-5/2008-TS.1 (Vol-IV)]

AMITA SHARMA, Addl. Secy.

THE INSTITUTES OF TECHNOLOGY ACT, 1961
CONTENTS

- Chapter I Preliminary : Short title and commencement
Declaration of certain Institutions as Institutions of national importance
Definitions
- Chapter II The Institutes : Incorporation of Institutes
Effect of Incorporation of Institutes
Powers of Institutes
Institutes to be open to all races, creeds & classes
Teaching at Institute
Visitor
Authorities of the Institutes
Board of Governors
Terms of office of, vacancies among & allowances payable to members of Board
Functions of Board
Senate
Functions of Senate
Chairman of Board
Director
Deputy Director
Registrar
Other Authorities & officers
Grants by Central Government
Fund of the Institute
Accounts and Audit
Pension and Provident Fund
Appointments
Statutes
Statutes how made
Ordinances
Ordinances how made
Tribunal of Arbitration
- Chapter III The Council : Establishment of Council
Terms of office of vacancies among & allowances payable to members of Council
Functions of Council
Chairman of Council
Powers to make rules in respect of matters in this Chapter
- Chapter IV Miscellaneous : Acts and proceeding not to be invalidated by vacancies etc.
Power to remove difficulties
Transitional provisions
51 of 1956, Repeal & Barings

The Schedule

Annexure – I : The Institutes of Technology (Amendment) Act, 1994

Annexure – II : The Institutes of Technology (Amendment) Act, 2002

Annexure – III : The Institutes of Technology (Amendment) Act, 2012

THE INSTITUTES OF TECHNOLOGY ACT, 1961

No. 59 of 1961

[as amended by Institutes of Technology (Amendment) Act, 1963, Institutes of Technology (Amendment) Act, 1994, Institutes of Technology (Amendment) Act, 2002, and Institutes of Technology (Amendment) Act, 2012]

An Act to declare certain institutions of technology to be institutions of national importance and to provide for certain matters connected with such institutions and the Indian Institute of Technology Kharagpur.

Be it enacted by Parliament in the Twelfth Year of the Republic of India as follows:

Chapter 1

PRELIMINARY

| | | |
|--|--|---|
| Short title and commencement | 1. (1) This Act may be called the Institutes of Technology Act, 1961. (2) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint, and different dates may be appointed for different provisions of this Act. | |
| Declaration of certain Institutions as Institutions of national importance | 2. Whereas the objects of the institutions known as the Indian Institute of Technology, Bombay, ¹ the College of Engineering and Technology Delhi, ² the Indian Institute of Technology, Guwahati, Assam, ¹ the Indian Institute of Technology, Kanpur, ¹ the Indian Institute of Technology, Madras, ³ the Indian Institute of Technology, Roorkee, ⁴ the Indian Institute of Technology, Bhubaneswar, ⁴ the Indian Institute of Technology, Gandhi Nagar, ⁴ the Indian Institute of Technology, Hyderabad, ⁴ the Indian Institute of Technology, Indore, ⁴ the Indian Institute of Technology, Jodhpur, ⁴ the Indian Institute of Technology, Mandi, ⁴ the Indian Institute of Technology, Patna, ⁴ the Indian Institute of Technology, Ropar and ⁴ the Indian Institute of Technology (Banaras Hindu University), Varanasi are such as to make them institutions of national importance, it is hereby declared that each such institution is an institution of national importance. | As per ¹ Institutes of Technology (Amendment) Act, 1963, ² Institutes of Technology (Amendment) Act, 1994, ³ Institutes of Technology (Amendment) Act, 2002, and ⁴ Institutes of Technology (Amendment) Act, 2012 |
| Definitions | 3. In this Act, unless the context otherwise requires, - (a) 'Board', in relation to any Institute, means the Board of Governors thereof : (b) 'Chairman' means the Chairman of the Board. (c) 'Corresponding Institute' means, -- (i) in relation to the society known as the Indian Institute of Technology, Bombay, the Indian Institute of Technology, Bombay. (ia) in relation to the known Society as the College of Engineering & Technology, Delhi, the Indian Institute of Technology, Delhi. (ib) in relation to the society known as the Indian Institute of Technology, Guwahati, Assam, the Indian Institute of Technology, Guwahati (ii) in relation to the society known as the Indian Institute of Technology (Kanpur) Society, the Indian Institute of Technology, Kanpur, | As per Institutes of Technology (Amendment) Act, 1963 As per Institutes of Technology (Amendment) Act, 1994 |

- (iii) in relation to the society known as the Indian Institute of Technology, Madras, the Indian Institute of Technology, Madras,
- (iv) in relation to the University of Roorkee, Roorkee, the Indian Institute of Technology, Roorkee, As per Institutes of Technology (Amendment) Act, 2002
- (v) in relation to the society known as the Indian Institute of Technology, Bhubaneswar, the Indian Institute of Technology, Bhubaneswar, As per Institutes of Technology (Amendment) Act, 2012
- (vi) in relation to the society known as the Indian Institute of Technology, Gandhinagar, the Indian Institute of Technology, Gandhinagar,
- (vii) in relation to the society known as the Indian Institute of Technology, Hyderabad, the Indian Institute of Technology, Hyderabad,
- (viii) in relation to the society known as the Indian Institute of Technology, Indore, the Indian Institute of Technology, Indore,
- (ix) in relation to the society known as the Indian Institute of Technology, Rajasthan, the Indian Institute of Technology, Jodhpur,
- (x) in relation to the society known as the Indian Institute of Technology, Mandi, the Indian Institute of Technology, Mandi,
- (xi) in relation to the society known as the Indian Institute of Technology, Patna, the Indian Institute of Technology, Patna,
- (xii) in relation to the society known as the Indian Institute of Technology, Punjab, the Indian Institute of Technology, Ropar,
- (xiii) in relation to the Institute of Technology, Banaras Hindu University, referred to in Statute 25 (A)(1) of the Statutes set out in the Schedule to the Banaras Hindu University Act, 1915, the Indian Institute of Technology, (Banaras Hindu University), Varanasi,
- (d) 'Council' means the Council established under sub-section (1) of section 31 ;
- (e) 'Deputy Director', in relation to any Institute, means the Deputy Director thereof ;
- (f) 'Director', in relation to any Institute, means the Director thereof ;
- (g) 'Institute' means any of the Institutions mentioned in section 2 and includes the Indian Institute of Technology, Kharagpur, incorporated under the Indian Institute of Technology (Kharagpur) Act, 1956 ;
- (ga) "Institute of Technology, Banaras Hindu University" means the Institute of Technology, Banaras Hindu University, referred to in Statute 25 (A) (1) of the Statutes set out in the Schedule to the Banaras Hindu University Act, 1915; As per Institutes of Technology (Amendment) Act, 2012

5 of 1956

- (h) 'Registrar', in relation to any Institute, means the Registrar thereof ;
- (i) "Senate", in relation to any Institute, means the Senate thereof ;
- (j) 'Society' means any of the following societies registered under the Societies Registration Act, 1860, namely:
- (i) the Indian Institute of Technology, Bombay ;
 - (ia) the College of Engineering and Technology, Delhi;
 - (ib) the Indian Institute of Technology, Guwahati, Assam ;
 - (ii) the Indian Institute of Technology, (Kanpur) Society ;
 - (iii) the Indian Institute of Technology, Madras ;
 - (iv) the Indian Institute of Technology, Bhubaneswar ;
 - (v) the Indian Institute of Technology, Gandhinagar;
 - (vi) the Indian Institute of Technology, Hyderabad ;
 - (vii) the Indian Institute of Technology, Indore ;
 - (viii) the Indian Institute of Technology, Rajasthan ;
 - (ix) the Indian Institute of Technology, Mandi ;
 - (x) the Indian Institute of Technology, Patna ;
 - (xi) the Indian Institute of Technology, Punjab ;
- (k) 'Statutes' and 'Ordinances', in relation to any Institute, mean the Statutes and Ordinances of the Institute made under this Act.
- (l) "University of Roorkee" means the University of Roorkee established under the Roorkee University Act, 1947
- (m) "zone", in relation to an Institute, means such group of States and Union Territories as the Central Government may, by notification in the Official Gazette, specify.

As per Institutes of Technology (Amendment) Act, 1994

As per Institutes of Technology (Amendment) Act, 2012

As per Institutes of Technology (Amendment) Act, 2002

Chapter II

THE INSTITUTES

- Incorporation of Institutes
4. (1) Each of the Institutes mentioned in section 2 shall be a body corporate having perpetual succession and a common seal and shall, by its name, sue and be sued.
- (1A) The College of Engineering and Technology, Delhi, shall on such incorporation, be called the Indian Institute of Technology, Delhi.
- (1B) The Indian Institute of Technology, Guwahati, Assam shall, on such incorporation, be called the Indian Institute of Technology, Guwahati.
- (1C) The University of Roorkee, Roorkee shall, on such incorporation, be called the Institute of Technology, Roorkee.

As per Institutes of Technology (Amendment) Act, 1994

As per Institutes of Technology (Amendment) Act, 2002