

राज्य स्तर पर्यावरण समाघात निर्धारण
प्राधिकरण, उत्तराखण्ड, अजबपुर कलां,
मोथरोवाला रोड़, (नियर पी0एन0बी0),
देहरादून- 248001

(पर्यावरण, वन एवं जलवायु परिवर्तन
मंत्रालय, भारत सरकार, नई दिल्ली द्वारा
गठित)

दूरभाष: 0135-2678576

ईमेल: seiaa.seac.uk@gmail.com



State Level Environment Impact
Assessment Authority, Ajabpur Kala,
Mothorowala Road, (Near P.N.B)
Dehradun- 248001
(Constituted by Ministry of
Environment, Forests and Climate
Change Government of India.)
Phone No- 0135-2678576
Email- seiaa.seac.uk@gmail.com

E.C.No- 7 -9(03)/2018

Dated- 1 -02-2019

To,

M/s India Glycols Ltd.
A-1 Industrial Area Bajpur, Road Kashipur,
Udham Singh Nagar.

Tel. +91 9837242463

Email-ashutosh.gautam@indiaglycols.com

Sub: Regarding Environmental Clearance for Proposed Modernization and Expansion of existing Herbal Unit Based on Super Critical Fluid Extraction (SCFE), Green Solvent Extraction and Proposed Biotransformation process to produce natural health products, by Processing of Herbal in the existing complex at plot no 2-5, Pharma city SIDCUL Selaqui, Indus. Area, Dehradun.

Sir,

This has reference to your proposal No SIA/UK/IND2/80422/2018 on dated 27th September, 2018, submitted to the SEIAA for grant of Environmental Clearance (EC) in the terms of the provisions under the Environment (Protection) Act, 1986.

The project site being located within the territorial limits of Doon Valley Notification, 1989 and the proposal categorized as Orange category (B 2). The proposal for environmental clearance is for proposed value addition of existing products 7 kg/ Day by intending biotransformation process (Total Production capacity will remain the same as 2050.00 kg/day), in total land area 14,400 m² and total project cost is 1080.0 Lacs was considered by the State Expert Appraisal Committee in its meeting held on 8th January, 2019. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:-

- DG set 500 KVA capacity - One Number
- Biomass Briquette fired Boiler 6.0 TPH capacity – One Number
- Cooling Tower 500 TR capacity - 02 number
- Air Compressor 189 CFM at 10 bar capacity- 02
- Total water requirement is 176.0 KLD and recycled water is 68.0 KLD. Fresh Water required for proposed expansion of existing Pharmaceuticals Formulation Unit will be 108.0 KLD.
- The total quantity of water requirement after proposed modernization & expansion of the existing Unit will be about 228.5 KLD. However fresh water consumption will be 71.5 KLD.
- 30.5 KLD of waste water will be generated from the Domestic & Industrial activities i.e. Production Process, Utility i.e. Boiler blow down, Cooling Tower bleed & miscellaneous purpose after proposed Augmentation. All the waste water generated will be treated in the STP cum ETP & will be reused in green belt and cleaning/washing activities. Existing STP cum ETP will be augmented up to 50.0 KLD Capacity.
- Steam condensate (86.0 KLD) will be recycled into Boiler. Zero discharge will be achieved.
- Existing Power demand: 41.0 MW/day. Proposed Power Demand: 300 KWH (Sources from UPCL). Green insulated DG Set of 500 KVA (01 Nos.) is proposed (Proposed DG Set to be operated during emergency in case of power failure only). Stack will be provided as per CPCB norms to the proposed DG sets.
- 6.0 TPH Biomass fired Boiler (01 No.) is proposed. Biomass briquettes (1.0 MT/Hr approx) will be used as a fuel in the proposed Boiler. Bag Filter/ cyclone separator followed by a stack (42.0 m height) will be installed for controlling particulate matter from

Boiler. 50.0 KG/Hr Boiler ash will be generated, which will be used as soil conditioning or filling of low lying areas.

It was observed that above activity will not result in permanent change in land use and topography of the area.

The SEAC after due consideration of relevant documents submitted by the project proponent and additional clarification furnished in response to its observations have recommended the grant of Environmental Clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. Accordingly the SEIAA hereby accords necessary Environmental Clearance for the project under category B-2 of EIA notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

Pre Operation-

- 1) The project proponent should advertise with basic details at least in two widely circulated local newspapers, within seven (7) days of the receipt of the clearance letter informing that the project has been accorded environmental clearance which is available with the State Environment Impact Assessment Authority, Dehradun and a copy of the same is being sent to the Regional Office of Ministry of Environment and Forest, Government of India located at 25 Subhash road Dehradun.
- 2) A copy of the Environmental Clearance letter shall be sent by the proponent to the concerned Panchayat and the local NGO, if any from whom suggestion/representation, if any, were received while processing the proposal.
- 3) Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site
- 4) There shall be no felling of trees at the construction site and further no damage to the local vegetation shall be done. The installation of equipments/machineries shall be done within the vacant space available in the plant premises
- 5) The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989. The site lay out plan should be approved by the authorized agency/department of the State Government
- 6) The proposed activity does not involve any fresh construction or clearance of land/vegetation/building. There shall be no temporary/permanent change in land use as existing unit is already located in notified industrial area. The machinery for setting up the unit shall be installed within the existing rented facility through modular modifications suitable to cosmetic manufacturing (as per the approved lay out plan)

During Operation Phase-

- 1) Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.
- 2) The building plan and structural design of the unit shall comply with requirements of Seismic Zone - V as outlined in National Building Code.
- 3) No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.
- 4) The Project Authority shall strictly comply with provisions of Doon Valley Notification, 1989
- 5) During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed off outside the boundaries of project site without approval of Competent Authority.
- 6) The soil and groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.
- 7) All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials shall not be allowed to contaminate water course and dumpsites as such materials leach into ground water.
- 8) The manufacturing process shall be carried out in closed atmosphere without having any air emissions. However air emissions from DG set should comply with CPCB norms by designing stack of adequate height
- 9) No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards after installation of ETP & STP.

- 10) All the hazardous residue and wastes arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- 11) The gaseous emissions (SO_x, NO_x, CO, VOC and HC) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- 12) Fugitive emissions in the work zone environment, product and raw materials storage areas shall be regularly monitored. The emissions shall conform to the limits imposed by the UEPPCB/Central Pollution Control Board. Dust / Powder from the formulation process shall be collected by dust extractor.
- 13) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storages and Import of Hazardous Chemicals Rules, 1989, as amended from time to time. Authorization from the UEPPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- 14) The DG sets shall use Low Sulphur Diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.
- 15) The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with all machineries and DG sets on site complying with Noise Levels of CPCB standards.
- 16) All liquid raw materials shall be stored in storage tanks and drums. Closed handling systems for chemicals and solvents shall be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reductions of fugitive emissions.
- 17) The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- 18) All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- 19) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood.
- 20) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.
- 21) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 22) The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 23) Rainwater harvesting for surface run off shall be ensured. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles.
- 24) Energy consumption measures like installation of LED/TFL for the external lighting area shall be ensured. The disposal of used LED/TFL shall be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination
- 25) One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material shall be used during plantation as per standards of State Forest Department. The species selection should include criterion of fruit bearing and fast growing tall trees. The concerned official of State Forest Department shall ensure the compliance
- 26) Solar panel/energy should be encouraged/installed in the premises
- 27) The project proponent shall undertake in eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 28) The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project
- 29) The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data both in hard copy & soft copy to this Authority and regional office of MoEF, Govt of India at Dehradun.

Entire Life-

- 1) The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non peak hours.
- 2) All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time
- 3) Adequate drinking water and sanitation facility shall be provided on site for the workforce. Provision shall be made for supply of domestic fuel to the workforce so that they do not remain dependent on adjoining forest areas for fuel wood
- 4) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.
- 5) The project authority shall also comply with the entire environment protection measures and safeguards proposed in the EIA/EMP report. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.
- 6) The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency
- 7) Rainwater harvesting for surface run off shall be ensured. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and other particles
- 8) Energy consumption measures like installation of LED/Solar light panels for the external lighting area shall be ensured. The disposal of used LED /Solar light panels shall be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination
- 9) The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project
- 10) The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and also submit six monthly compliance reports to this Authority and regional office of MoEF, Govt of India at Dehradun.
- 11) The name of person incharge for implementation of conditions stipulated in Environmental Clearance should be communicated to this office and GoI office within 15 days receipt of this letter.
- 12) The SEIAA reserves the right to include additional safeguard measures if found necessary and also to take action including revoking of the EC granted under provision of EIA Notification 2006. This EC is being granted subject to compliance of Hon'ble Court Orders issued from time to time
- 13) The SEIAA Uttarakhand reserves the right to withdraw the Environmental Clearance or add additional conditions.
- 14) If this Environmental Clearance is transferred then fresh Environment Clearance is to be obtained under EIA notification dated 14.09.2006. However, no activity shall be undertaken till the Environment Clearance is transferred in his name and he is lawfully bound to Comply with the conditions of the Environmental Clearance.
- 15) Ash should be safely disposed within premises and a record maintained.

(Bhuwan Chandra)
Member Secretary,
SEIAA, Uttarakhand

No.- 9(03)/2018 dated- as above

Copy for information and necessary action to-

- 1) Secretary, Ministry of Environment, Forests and Climate Change, GoI, Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, 3rd Floor, Vayu Wing, New Delhi.
- 2) Principal Secretary, Environment and Forests, Government of Uttarakhand, Dehradun.
- 3) APCCF, Regional office (Central) MOEFCC, 25 Subhash Road, Dehradun.
- 4) Principal Chief Conservator of Forests (Wildlife)/Chief Wild Life Warden, Dehradun.
- 5) **Member Secretary, UEPPCB, Dehradun.**
- 6) **Divisional Forest Officer, Dehradun.**
- 7) Guard File.

(Bhuwan Chandra)
Member Secretary,
SEIAA, Uttarakhand