

Submission of Six-Monthly Compliance report of the conditions stipulated in Environmental Clearance for Expansion of Super Critical Fluid Extraction (SCFE) Unit for Production of Natural Health Product (150 to 1050 Kg/day).

Chakresh Pathak

Tue 11/30/2021 7:02 PM

To: moef.ddn@gov.in <moef.ddn@gov.in>;

Cc: Dr.Ashutosh Gautam <ashutosh.gautam@indiaglycols.com>; Jitendra K Jawla <jitendra.k.jawla@indiaglycols.com>;

📎 1 attachment

Six Monthly Compliance report for Expansion of Super Critical Fluid Extraction (SCFE) Unit -MoEF EC No. J – 110117702007 – IA II (I), Dated 12.03.2008.pdf;

Sir,

Please find attached herewith the **Six-Monthly Compliance Report of Environmental Clearance** of M/s India Glycols Limited at Plot No. 02-05, Pharma City, "SIIDCUL" Selaqui Industrial Area, Dehradun for the Period of **April, 2021 to September, 2021**.

Environmental Clearance Details:

Expansion of Super Critical Fluid Extraction (SCFE) Unit for production of Natural Health Product (150 to 1050 kg/day) vide MoEF EC No. [J – 11011/770/2007 – IA II \(I\)](#), [Dated 12.03.2008](#).

With Regards

Dr. Chakresh Pathak
Environment Management Division
M/s India Glycols Limited
Kashipur



INDIA GLYCOLS LIMITED
(WHO GMP CERTIFIED COMPANY)



Halal Certified



Kosher Certified



ISO 9001 : 2015
ISO 22000 : 2005
HACCP

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Email : ennature@indiaglycols.com, Website : www.indiaglycols.com, CIN : L24111UR1983PLC009097
Ref: AG/MoEF&CC/EC Comp/HERBAL/2021/02 **Dated: 30.11.2021**

To,

Dr. Krishnendu Mondal (Scientist – C)
Ministry of Environment, Forests & Climate Change
Regional Office (North-Central Zone)
25, Subhash Road, Dehradun – 248001

Subject: Submission of Six-Monthly Compliance report of the conditions stipulated in Environmental Clearance for Expansion of Super Critical Fluid Extraction (SCFE) Unit for Production of Natural Health Product (150 to 1050 Kg/day).

Reference: EC No. J-11011/770/2007-IA II(I), Dated 12.03.2008

Sir,

Please find enclosed herewith the compliance report of the conditions stipulated in Environmental Clearance of **Expansion of Super Critical Fluid Extraction (SCFE) Unit for Production of Natural Health Product (150 to 1050 Kg/day)** at Plot No. 02-05, Pharma City, "SIIDCUL" Selaqui Industrial Area, Dehradun by M/s India Glycols Limited for the period of **April, 2021 to September, 2021** along with dully filled Data Sheet.

We are adhering all the safety measures at work place along with the guidelines to implement strict distancing and isolation to contain the spread of COVID-19 and complying all the conditions in the EC.

We hope that the given data would be sufficient to meet the requirement.

Thanking you,

Yours Faithfully

For M/s India Glycols Limited

(Dr. Ashutosh Gautam)
Head (Environment)



Encl.: Compliance report for the period of April, 2021 to September, 2021.

Copy to:

- **CPCB, Zonal Office (North) PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow-226010**
- **Uttarakhand Pollution Control Board, "Goura Devi Paryavaran Bhawan", 46-B, I.T. Park, Sahastradhara Road, Dehradun - 248001**

Head Office: Plot No. 2-B, Sector- 126, NOIDA- 201304, District Gautam Budh Nagar, Uttar Pradesh, Tel : +91 120 3090100, 3090200,
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Regd. Office: A-1, Industrial Area, Bazpur Road, Udham Singh Nagar, Kashipur - 244713, (Uttarakhand), INDIA
Phone : +91 5947 269000, 269500 Fax : +91 5947 275315, 269535

ANNEXURE – 1

M/s INDIA GLYCOLS LIMITED

Name of the Project: Expansion of Super Critical Fluid Extraction (SCFE) Unit for the production of Natural Health Production (150 to 1050 kg/day) at Plot No. 03 – 04, Pharma City, SIIDCUL, Selaqui Industrial Area, Dehradun, Uttarakhand.

Clearance Letter No: – J-11011/770/2007 – IA II (I), Dated 12.03.2008

Period of Compliance Report: April, 2021 to September, 2021

A. SPECIFIC CONDITIONS	
CONDITIONS	COMPLIANCE STATUS
i. Stack of proper height and adequate pollution control equipment's shall be provided to the Boiler and DG sets to control gaseous emissions within the permissible limits prescribed by Uttaranchal Environment Protection and Pollution Control Board (UEP&PCB) and reports submitted to the Ministry's Regional Office at Lucknow, CPCB and UEP&PCB.	: Adequate Stack height of the Boiler and DG sets is provided (42 m & 15 m AGL respectively). Boiler & DG Stack emission monitoring reports is attached as Annexure – I . We are regularly submitting Six Monthly Compliance Report well within the due course to the respective Offices.
ii. All the Solvents used during Aqueous Alcoholic Extraction Process viz. Methanol, Hexane, Acetone and IPA shall be recycled and reused after recovering through evaporation and condensation process. Spray driers shall be provided for the recovery of solvents.	: All the Solvents used for Extraction process are recycled back to the next batch after recovering through Evaporation and Condensation Process of Super Critical Fluid Extraction.
iii. Total ground water requirement shall not exceed 251 m ³ / day and prior permission for the drawl of ground water shall be obtained from the State Ground Water Board / Central Ground Water Board Authority (SGWB/CGWA). All the waste water shall be recycled and reused as make up water for Cooling Towers or as steam condensate in the Boiler or for Green belt development. No effluent shall be discharged outside the premises and "Zero" discharge shall be strictly adopted.	: Ground water is being extracted from existing bore well and the NOC from Central Ground Water Board Authority (CGWA) has been obtained. A copy of the same is attached as Annexure – II . No effluent generation from the Process, all the water from Aqueous Alcoholic Extraction Process, SCFE Process, Semi Mechanized, and Steam Distillation Process is being recycled back to Cooling Towers and steam condensate is being recycled back to the Boiler.



iv.	All the solid waste generated shall be used as manure after Bio – composting process and shall not be disposed off outside the premises. All the packaging material shall be disposed off in the environment – friendly manner.	:	Solid Herbal Parts (Flowers/ Roots/ Leaves/Stems) obtained after extraction process is being used in briquette formation & utilized as a fuel in the existing boiler. Packaging material is being sold to the respective vendors.
v.	Green belt shall be developed in 33% area with suitable species of the plants as per the CPCB guidelines to mitigate the effects of fugitive emissions.	:	A number of Trees suitable to the local condition have been planted in vacant space under Green belt development in such a fashion, to create an effective barrier between the Plant and the surroundings, and regular practice is being continued for strengthened the Green-belt. (Annexure –III).
vi.	No Captive Power Plant shall be installed without prior approval of the Ministry.	:	No Captive Power Plant will be installed without getting the prior approval of the MoEF& CC, New Delhi.
vii.	Acoustic enclosures shall be provided around the DG set (750 KW x 02) to control noise level within the permissible limits.	:	Green insulated DG sets are installed and operated whenever there is a Power failure from UPCL. Ambient Noise monitoring reports are attached as Annexure – IV.

B. GENERAL CONDITIONS

CONDITIONS		:	COMPLIANCE STATUS
i.	The Project authorities must strictly adhere to the stipulations made by the Uttaranchal Environmental Protection and Pollution Control Board (UEP&PCB) and the State Government.	:	Company is complying with all the stipulations made by the UKPCB and the State Government. Copy of CCA is attached as Annexure – V.
ii.	No further Expansion / Modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	:	Expansion of the plant (1050 kg/d to 2050 kg/d) was carried out vide EC no. 206.9(7)/2013 dated 21 October 2013 granted by SEIAA, modernization for replacement of existing HSD Boiler with new Biomass fired Boiler vide EC no. 545-9(24)/2014, dated 20 August 2014 granted by SEIAA and further modernization for value addition of



			products alongwith enhancing the existing utilities vide EC no. 7-9(03)/2018 dated 01 February 2019 granted by SEIAA, Uttarakhand.
iii.	Ambient Air quality monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration are anticipated in consultation with the UEP&PCB and report submitted to UEP&PCB.	:	Four Ambient Air Quality Monitoring location have been selected to monitor PM _{2.5} , PM ₁₀ , SO ₂ , NO _x , in the down wind direction as well as where maximum ground level concentration are anticipated. (AAQ Monitoring reports are attached as Annexure- VI .
iv.	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by the UEP&PCB.	:	Work zone monitoring is attached as Annexure- VI..
v.	The Company shall adopt suitable surface as well as roof top rain water harvesting measures to harvest the run off water for recharge of ground water. Methods shall also be adopted for the conservation of water through and recycling and reusing the treated waste water.	:	Roof top Rain water harvesting scheme has been implemented within the premises by providing 04 Nos. of recharge pits. Approx. 5000 Cum/Annum of Rain Water is available for Recharge. Recycling / reuse of Condensate water / Boiler blow down are being adopted. Treated water from STP cum ETP is being reused in green belt & cooling tower.
vi.	Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	:	Regular checkup of the employee's health is being done and record is maintained.
vii.	The Company shall undertake eco – developmental measures including community welfare measures in the project area for the overall improvement of the Environment. The project proponent shall also comply with safeguards recommended in the EIA/ EMP Report.	:	Company is already engaging to undertake various eco – developmental measures and community welfare activities. EIA/EMP measures are implemented & being followed.
viii.	The Project authorities shall set up a separate Environmental Management Cell	:	A Panel of experienced Technical Personnel & qualified Chemists are



	for effective implementation of all the above stipulations under control of Senior Executive.		engaged for Environment Management Division.
ix.	Adequate funds shall be kept towards Capital Cost and Recurring Cost/Annum for Environmental pollution control measures and used to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. The funds so provided shall not be diverted for any other purposes.	:	Recurring and non-recurring fund are arranged by the management as per the requirement to implement the conditions stipulated by MoEF & CC and SPCB.

