

राज्य स्तर पर्यावरण समाघात निर्धारण
प्रधिकरण, उत्तराखण्ड, 653, इन्दिरानगर
कालोनी, सीमाद्वार रोड, देहरादून- 248006
(पर्यावरण, वन एवं जलवायु परिवर्तन
मंत्रालय, भारत सरकार, नई दिल्ली द्वारा
गठित)

दूरभाष: 0135-2763576

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सत्यमेव जयते

State Level Environment Impact
Assessment Authority, 653,
Indiranagar Colony, Seemadwar
Road, Dehradun- 248006
(Constituted by Ministry of
Environment, Forests and Climate
Change Government of India.)
Phone No- 0135-2763576
Email- seiaa.seac.uk@gmail.com

E.C.No- 196 -05(05)/2019

Dated- 19 -03-2021

To,

M/s Polyplex Corporation Ltd.
Plot No. 227 & 228, Bannakhera Road,
Vikrampur, Tehsil- Bazpur,
District- Udham Singh Nagar.

Sub: Regarding Environment Clearance for Proposed enhancement of production Capacity of PET Chips from 57600.00 MT/Annum to 69600.00 MT/Annum through modification and modernization at Plot No. 227 & 228, Bannakhera Road, Vikrampur, Tehsil- Bazpur, District- Udham Singh Nagar.

Sir,

Kindly refer to your online proposal no SIA/UK/IND2/58902/2009 submitted to SEIAA Uttarakhand regarding aforementioned subject. The details about the project site and proposal for EC as per the documents submitted by the project proponent is as under:

Sl. No	Parameters	Description															
1.	Proposal for EC	Proposed enhancement of production Capacity through modification and modernization by M/s Polyplex Corporation Ltd. (Chips Unit)															
2.	Production Capacity	Existing Capacity: 57600.00 MT/Annum Proposed Capacity: 12000.0 MT/Annum Total Capacity: 69600.00 MT/Annum															
3.	Total Plot Area	Total land area of entire complex is 21.488 Acre (86958.00 Sqm.) out of which PET Chips unit is proposed to installed in 971.0 Sqm. area (ground coverage).															
4.	Proposed site location	Plot No. 227 & 228, Bannakhera Road Vikrampur, Tehsil- Bazpur, District- Udham Singh Nagar, Dehradun, Uttarakhand.															
5.	Coordinates of Project site	Latitude: 29°12'12.68"N Longitude: 79° 9'0.17"E															
6.	Water requirement (KLD)	305.5 KLD															
7.	Source of water	Ground Water (borewell supply)															
8.	Waste Water Management	Total waste water from the industrial process and domestic purpose is 53.2 KLD, which is being treated in existing E.T.P. & S.T.P. (Capacity – 100 KLD each) Industrial Activity: 52.0 KLD Domestic Activities: 1.2 KLD No additional waste water will be generated from enhancement of production capacity. Zero discharge is being achieved.															
9.	Solid waste generation & disposal	<table border="1"> <thead> <tr> <th>Particulars</th> <th>Existing</th> <th>Proposed addition</th> <th>Total</th> <th>DISPOSAL</th> </tr> </thead> <tbody> <tr> <td>Solid waste i.e. Raw material empty bags</td> <td>50 Nos./day</td> <td>20 Nos./day</td> <td>70 Nos./day</td> <td>Authorised recycler</td> </tr> <tr> <td>Chips Lumps</td> <td>100.0 Kg/day</td> <td>50.0 Kg/day</td> <td>150.0 Kg/day</td> <td>Reuse / Sent to - Registered Recycler by UKPCB</td> </tr> </tbody> </table>	Particulars	Existing	Proposed addition	Total	DISPOSAL	Solid waste i.e. Raw material empty bags	50 Nos./day	20 Nos./day	70 Nos./day	Authorised recycler	Chips Lumps	100.0 Kg/day	50.0 Kg/day	150.0 Kg/day	Reuse / Sent to - Registered Recycler by UKPCB
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		Obligomer waste	50.0 Kg/day	-	50.0 Kg/day	Authorised recycler by UKPCB
		Chips sweeping waste	50.0 Kg/day	-	50.0 Kg/day	Authorised recycler by UKPCB
10.	Hazardous Waste Management	As per the plan submitted collection storage, transportation and disposal will be done through TSDF as per MSIHC rules				
11.	Total Manpower	Existing – 50 Nos.				
12.	Electricity requirement	Existing power demand for PET Chips Plant is 0.65 MW and after modernization it will 0.70 MW. There is one more unit is in the premise (i.e. film unit) and power demand of this unit is 6.40 MW. Therefore, after expansion in chips plant total power demand will be 7.10 MW electric connection load of 10.0 MW from UPCL is sufficient for both the units.. DG set- Green insulated DG Set of 1250 KVA (01 Nos.) is already installed which is being operated during emergency (in case of power failure only). Fuel consumption: HSD – 500.0 lit per day				
13.	Thermic Fluid Heater	Existing TFH is based on Rice Husk fuel based with a capacity of 7.0 Million kcal/hr, which is being used as heating source during process. On standby arrangement, one another Thermic Fluid Heater based on FO fuel add in Chips plants from Film Unit.				
14.	Land form, Land use and land ownership	Industrial Land, Own				
15.	Project cost	₹. 59.0 Crore				
16.	Corporate Environment Responsibility (CER)	2 % of the project cost.				

The SEAC during its meeting held on 2nd – 3rd February, 2021 had undertaken appraisal of the above project. It has been found that the proposal is classified under category 5(f) of Schedule of EIA Notification requiring prior EC. It is placed in B1 category for the purpose of appraisal process. After due examination of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations earlier, SEAC has recommended the grant of Environmental Clearance for the above project subject to compliance of the EMP and other stipulated conditions. SEIAA during its meeting dated 23rd – 24th February, 2021 considered the above proposal based on the recommendation of SEAC. After due examination and deliberation the SEIAA hereby accords Environmental Clearance for the above project under category B-1 of EIA notification 2006 (as amended from time to time) 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 by SEIAA Uttarakhand and a copy of the same be sent to the Regional Office of Ministry of Environment, Forests and Climate Change, Govt 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.
- 3) Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974 before starting 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 equipment/machineries shall be done within the vacant space available in the plant premises.
- 5) The Project Proponent shall submit a copy of Fire NOC and also for drawal of ground water submit NOC from the CGWA before starting up any construction activity

During Operation Phase-

- 1) The building plan and structural design of the unit shall comply with requirements of Seismic Zone – IV as outlined in National Building Code.
- 2) No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.

- 3) 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 of outside the boundaries of project site without approval of Competent Authority.
- 4) The 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.
- 5) 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 must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water.
- 6) 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.
- 7) No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.
- 8) All the hazardous residue and wastes arising from units shall be either sent to TSD for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc.
- 9) The gaseous emissions (SO₂, NO_x, CO, VOC and HC) and particulate matter along with Respirable Suspended Particulate Matter (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.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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 as per CPCB standards.
- 14) 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.
- 15) 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.
- 16) All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower be engaged to deal with emergency cases. The labour force engaged on site shall be screened for health from time to time.
- 17) 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.
- 18) 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.
- 19) A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 20) The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.
- 21) Rainwater harvesting for surface run off shall be ensured. Before recharging the surface run off, pretreatment must be done to remove suspended matter, oil and other particles.
- 22) Energy consumption measures like installation of LED/TFL for the external lighting area shall be ensured. The used LED/TFL shall be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- 23) 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 should include criterion of fruit bearing and fast growth.

- 24) Solar panel/energy should be encouraged/instafled In the premises.
- 25) The project proponent shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 26) The project proponent shall ensure compliance to provisions of all the Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.
- 27) The project proponent shall submit half yearly compliance report of stipulated conditions of Environment Clearance in soft copy through PARIVESH PORTAL given link: <https://parivesh.nic.in>. The compliance report shall also be e mailed to the Regional Office in Dehradun in moef.ddn@gov.in

Entire Life-

- 1) The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB.
- 2) All necessary efforts shall be made to ensure safety and hygiene of deployed workforce. First Aid facility shall be established and trained manpower shall be engaged to deal with emergency cases. 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.
- 4) Training shall be imparted to all employees on safety and health aspects. 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 EMP. 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, pretreatment must be done to remove suspended matter, oil and other particles
- 8) The project proponent shall ensure compliance to provisions of all the Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.
- 9) 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 Ministry of Environment, Forests and Climate Change, Govt of India at Dehradun. The contact details of the in charge of Environment Monitoring Cell will also be intimated in the compliance reports.
- 10) In case the project site is located within the Industrial Estate, then all such conditions of EC of the IEE shall be complied with
- 11) 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 provisions of EIA Notification 2006. This EC is being granted subject to compliance of Hon'ble Court Orders issued from time to time.
- 12) The SEIAA Uttarakhand reserves the right to withdraw the Environmental Clearance or add additional conditions.
- 13) 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.

In view of the COVID-19 scenario, social distancing at work-place shall be maintained, and such other conditions and safeguard shall be ensured as directed by Government of India, Government of Uttarakhand and concerned District Magistrate from time to time.

Your's Faithfully

(Sushanta Kumar Pattnaik)
Member Secretary,
SEIAA, Uttarakhand

No.- 05(05)/2019 dated- as above
Copy to following for information and necessary action:

1. APCCF, Regional office (Central) MoEFCC Govt of India, 25 Subhash Road, Dehradun.
2. Principal Secretary, Forests & Environment, Government of Uttarakhand, Dehradun.
3. District Magistrate, Udham Singh Nagar.
4. Member Secretary, UEPPCB, IT Park Dehradun.
5. DFO Tarai Central Forest Division, Rudrapur Dist: US Nagar.
6. Guard File for uploading in Parivesh Website.

(Sushanta Kumar Pattnaik)
Member Secretary,
SEIAA, Uttarakhand