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File No: IA-J-11011/512/2022-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 08/12/2023



To,

Sh. M L Dutta
M/s. GLOBUS SPIRITS LIMITED
F-0, Ground Floor, The Mira Corporate Suites, Plot No. 1 & 2, Ishwar Nagar, Mathura Road, New Delhi
, NORTH EAST, DELHI, Near Modi Mill, 110065
mld@globusgroup.in

Subject: Proposed 300 KLPD (2x150 KLPD) Grain/Molasses/Cane Juice based Distillery, 15 KLPD Malt Spirit Plant along with 10 MW Co-generation Power Plant at Village Abbaspur, Tehsil Mitauli, District Lakhimpur Kheri, Uttar Pradesh by M/s. Globus Spirits Limited - Consideration of Environment Clearance reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/UP/IND2/446198/2023 dated 20th October, 2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A2504UP5645289N
(ii) File No.	IA-J-11011/512/2022-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Sector	Industrial Projects - 2 Proposed 300 KLPD (2x150 KLPD) Grain/Molasses/Cane juice based distillery, 15 KLPD Malt Spirit plant along with 10 MW Co- generation power plant at Village Abbaspur, Tehsil Mitauli, District Lakhimpur Kheri, Uttar Pradesh by M/s. Globus Spirits Limited
(vii) Name of Project	GLOBUS SPIRITS LIMITED
(viii) Name of Company/Organization	KHERI, UTTAR PRADESH
(ix) Location of Project (District, State)	

(x) Issuing Authority
(xi) Applicability of General Conditions as per
EIA Notification, 2006

MoEF&CC

No

3.The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for establishment of 300 KLPD (2x150 KLPD) Grain/Molasses/Cane Juice based distillery, 15 KLPD Malt Spirit Plant along with 10 MW Co-generation Power Plant at Village Abbaspur, Tehsil Mitauli, District Lakhimpur Kheri, Uttar Pradesh by M/s. Globus Spirits Limited.

4. As per EIA Notification dated 14th Sep, 2006 and as amended on 13th June, 2019, the project falls under Category "A", Project or Activity '5(g)' Distilleries [Molasses based distilleries >100 KLPD & Non-Molasses based distilleries>200 KLD] and are appraised at Central level.

5.The details of products and capacity are placed at **Annexure-II**.

6. Standard Terms of Reference has been issued by Ministry vide letter no. IA-J-11011/512/2022-IA-II(I) dated 6th December, 2022. It was informed that there is no litigation pending against the project.

Public Hearing for the proposed project was conducted by the Uttar Pradesh Pollution Control Board on 30th June, 2023 at project premises chaired by Mr. Sanjay Kumar Singh, Additional District Magistrate (Finance/ Revenue) Lakhimpur Kheri. The main issues raised during the public hearing and their action plan are placed at **Annexure-III**

7.Total land area required is 14.855 hectares. Greenbelt will be developed in total area of 5.0 hectares i.e., 33% of total project area. The estimated project cost is Rs. 250 Crores. Capital cost of EMP would be Rs 30 Crores and recurring cost for EMP would be Rs. 3.00 Crores per annum. Industry proposes to allocate Rs. 6.25 crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be 200 persons as direct & indirect.

8.There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, etc. within 10 km distance. Reserved Forests (RF): RF is at a distance of 5.0 km in North direction from project site, RF is at a distance of 7.3 km in NNE direction from project site, Dilawarnagar RF is at a distance of 8.8 km in North direction from project site. Water bodies: Gomati River is at a distance of 1.1 km in West direction from project site., Chhuha Nala is at a distance of 1.1 km in SW direction from project site, Jajupara Minor is at a distance of 4.2 km in SSW direction from project site, Khareri Nala is at a distance of 5.7 km in NNE direction from project site, Saadatnagar Distributary is at a distance of 6.2 km in SW direction from project site, Sarda Canal is at a distance of 7.0 km in WSW direction from project site, Rabha Distributary is at a distance of 8.9 km in West direction from project site. The company has obtained No Flood NOC from Executive Engineer, Hardoi Khand, Sharda Nahr Department stating that the area does not fall in flood plain of Gomati River vide Letter no. 1481 dated 21.09.2023.

9.Ambient air quality monitoring was carried out at 8 locations during October to December 2022 and the baseline data indicates the ranges of concentrations as: PM₁₀ (40.2 to 81.5mg/m³, PM_{2.5} (22.4 to 50.5 mg/m³), SO₂ (6.1 to 12.8 mg/m³) and NO₂ (11.8 to 26.1mg/m³). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.793 µg/m³, 0.317 µg/m³, 0.936 µg/m³ and 1.08 µg/m³ with respect to PM₁₀, PM_{2.5}, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10.Total maximum fresh water requirement will be 1461 CMD which will be met from Ground water. NOC has been obtained by Ground Water Department (Namami Gange & Rural Water Supply Department), Ministry of Jal Shakti, Govt of UP for abstraction of 1800 KLPD groundwater vide NOC no. 202302000572, 202302000552, 202302000577, 202302000580 & 202302000581 valid from 25.3.23 to 24.3.28. Maximum Effluent of 1863 CMD quantity will be treated through Condensate Polishing Unit of capacity 2235 KLPD. STP of capacity 30 KLPD will be installed to treat sewage generated from factory premises. The plant will be based on Zero Effluent discharge system and no effluent/treated water will be discharged outside factory premises.

11.Power requirement will be 8.0 MW and will be met from proposed 10 MW Co- Generation Power Plant. 50 TPH and 40 TPH Biomass/Rice Husk/ Concentrated spent wash & Coal fired boiler will be installed. APCE ESP with a stack of

height of 58 m and 54 m respectively will be installed for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm³ for the proposed boilers. 2 x 750 KVA DG sets will be used as standby during power failure and stack height 6 m each will be provided as per CPCB norms to the proposed DG sets.

12.Details of Process emissions generation and its management:

- APCE ESP with a stack of height of 58 m and 54 m will be installed for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm³ for the proposed 50 TPH and 40 TPH Biomass/Rice Husk/ Concentrated spent wash & Coal fired boilers.
- CO₂ generated (239 TPD) during the fermentation process will be collected and in CO₂ plant sold to authorized vendors.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.

13.Details of solid waste/Hazardous waste generation and its management:

- Solid waste from the Grain based distillery (2x150 KLPD) operations generally comprises of fibers and proteins in the form of DDGS (2 x 61 TPD = 122 TPD), which will be ideally used as Cattle, poultry and fish feed ingredients.
- During Molasses based operation (2x150 KLPD) - Spent wash (2x1316 TPD) generated from the analyser column during the operation, will be concentrated in Multi – Effect Evaporator (MEE). The Concentrated Slop (2x360 TPD) from Multi Effect Evaporator shall be burnt in Incineration Boilers.
- Boiler ash (192 TPD) generated during Coal based operations will be given to cement manufactures & during biomass/concentrated spent wash (93 TPD) based operations will be given to brick manufacturers in covered vehicles only.
- Boiler ash (192 TPD coal based or 93 TPD Biomass & Con. Spent wash) will be given to brick manufacturers in covered vehicles.
- Used oil & grease (0.6 KL/annum) generated from plant machinery/gear boxes as hazardous waste will be sold out to the CPCB authorized recyclers.

14.Total land of 14.855 Hectares is completely under the possession of the company and the entire land has already been converted to industrial use as per court order of Deputy District Magistrate vide C. No. 3548/2022 dated 08.12.2022. EAC found the information satisfactory.

15.During deliberations, EAC discussed following issues:

- In compliance to the ToR granted PP has revised the budget for socio economic developmental activities from 2.5 Crores to 6.25 Crores (2.5% of total project cost) with the target to complete the activities before commissioning of the plant .
- EAC suggested that Industry shall install 800 KW solar power in form of solar plant/solar lights /solar panels/solar gadgets etc. within plant and the nearby areas.
- EAC suggested that greenbelt will be developed by October, 2024.
- PP committed that Industry shall strengthen and maintain the approach road from NH 30 to the plant.
- As suggested by EAC, PP has relocated the ethanol storage tanks for keeping the impact zone of thermal radiation inside the plant premises and submitted the revised the plant layout. The revised risk assessment study indicated that the impact zone of thermal radiation is inside the plant premises.

The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

16.The proposal was considered by the EAC (Meeting ID: EC/AGENDA/EAC/591545/10/2023) held on 01st November, 2023 in the Ministry, wherein the project proponent and the accredited Consultant M/s. J.M. EnviroNet Pvt. Ltd. (NABET certificate no. NABET/EIA/2023/SA 0172 and validity till 31st October, 2023), presented the case. The Committee

recommended the project for grant of environmental clearance.

17. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

18. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.

19. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

20. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for **establishment of 300 KLPD (2x150 KLPD) Grain/Molasses/Cane Juice based distillery, 15 KLPD Malt Spirit Plant along with 10 MW Co-generation Power Plant at Village Abbaspur, Tehsil Mitauli, District Lakhimpur Kheri, Uttar Pradesh by M/s. Globus Spirits Limited**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions.

21. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

22. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

23. 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.

24. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

25. This issues with the approval of the competent authority.

Copy To

1. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, Babu Bhawan, Secretariat, Vidhan Sabha Marg, Lucknow (UP) – 1
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kendriya Bhawan, 5th Floor, Sector “H”, Aliganj, Lucknow - 226020
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow – 10
5. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 11
6. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
7. The District Collector, District Lakhimpur Kheri, Uttar Pradesh
8. Guard File/Monitoring File/Parivesh portal/Record File

Annexure 1

Specific EC Conditions for (Distilleries)

1. Specific Condition

S. No	EC Conditions
1.1	<p>1.The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented (Annexure - IV).</p> <p>2.EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.</p> <p>3.NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from ground Water. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. No ground water shall be used for the plant operations.</p> <p>4.Total Fresh water requirement shall not exceed 1461 m³/day which will be met from ground water. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.</p> <p>5. The spent wash form molasses-based distillery shall be concentrated in MEE followed by drying. Spent wash/stillage from grain based distillery shall be decanted followed by the multiple effect evaporator and dryer to form DDGS. Other lean effluents Spent lees, MEE Condensates and utility effluents shall be treated in the condensate polishing unit (CPU) comprising of three stage RO. STP shall be installed to treat sewage generated from factory premises. CPU for treatment of sugar effluent shall be provided with RO so that treated effluent can be recycled for distiller process. Sludge drying beds shall be replaced by Filter press. Capacity storage of concentrated spent wash shall not exceed 5 days. The plant will be based on ‘Zero Liquid Discharge’ system and no effluent/treated water will be discharged outside factory premises. PP shall ensure that no bio</p>

S. No	EC Conditions
	<p>composting treatment shall be provided for treatment of spent wash.</p> <p>6. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be conducted on monthly basis and report submitted to SPCB and Regional Office, MOEFCC. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office. No wastewater or treated water from integrated unit of sugar mill and distillery shall be discharged outside the premises and Zero Liquid Discharge shall be maintained for all the units namely sugar, Distillery and Cogen Power Plant.</p> <p>7. APCE ESP (5 field) with a stack height of 58 m and 54 m respectively will be installed for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm³ for 50 TPH and 40 TPH Biomass/Rice Husk/ Concentrated spent wash & Coal fired boiler. SO₂ and NO_x emissions shall be less than 100 mg/Nm³. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any 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. Performance assessment of pollution control devices/ systems will be conducted annually.</p> <p>8. Boiler ash (192 TPD coal based or 93 TPD Biomass & Con. Spent wash) will be given to brick manufacturers in covered vehicles. PP shall 800 kW solar power within plant premises/adjacent/nearby areas.</p> <p>9. CO₂ generated (239 TPD) during the fermentation process will be collected and in CO₂ plant sold to authorized vendors.</p> <p>10.PP shall allocate at least Rs. 0.5 Crore/annum for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p> <p>11.Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.</p> <p>12.The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. PESO certificate shall be obtained. Location of ethanol storage tanks shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary.</p> <p>13. Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the location of the leak source and the probable leaked quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, Risk Mitigation plan shall be in place.</p> <p>14.Company shall determine the distance of fire hydrant while finalizing its location from ethanol storage tanks or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.</p> <p>15.Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable</p>

S. No	EC Conditions
	<p>industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.</p> <p>16.The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p> <p>17.The green belt of at least 5-10 m width shall be developed in nearly 5.0 hectares i.e., 33 % of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before commissioning of the plant.</p> <p>18.PP proposed to allocate Rs. 6.25 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (Annexure - V). Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.</p> <p>19. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% of the plant area i.e.2.3 Ha shall be allotted solely for parking purposes with facilities like rest rooms etc. PP shall strengthen and maintain the approach road from NH 30 to the plant.</p> <p>20.Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p> <p>21.Continuous online (24x7) monitoring system for stack emissions/effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</p> <p>22.A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Director/CEO as per company hierarchy.</p> <p>23.PP shall sensitize and create awareness among the people working within the project area as well</p>

S. No	EC Conditions
	as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12 th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

Standard EC Conditions for (Distilleries)

1. General Conditions

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.3	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
1.6	A copy of the clearance letter shall be sent by the project 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.
1.7	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.8	The environmental statement for each financial year ending 31st March in Form-V as is mandated

S. No	EC Conditions
	shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
1.9	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.10	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
1.11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

Additional EC Conditions

N/A

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Power	Product	10	Mega Watt (MW)	Cables	10 MW Co-generation power plant
Malt spirit	Product	15	Kilo Litre per Day (KLD)	Road	15 KLPD Malt Spirit plant
Carbon dioxide (CO2)	By-Product	213	TPD	Road	CO2 plant will be installed
DDGS	By-Product	132	TPD	Road	DDGS used as Cattle feed
ENA/RS/Ethanol	Product	300	Kilo Litre per Day (KLD)	Road	300 KLPD (2x150 KLPD) Grain/Molasses/Cane juice based distillery

The details of products and capacity as under:

S. No.	Unit	Product	Proposed Capacity
1.	Grain/Molasses/Cane Juice based Distillery	Rectified spirit (RS)/Extra Neutral Alcohol (ENA)/Ethanol	300 KLPD (2 x150 KLPD)
2.	Malt Spirit Plant	Malt Spirit	15 KLPD
3.	Co-generation power plant	Power	10 MW

Annexure –III**The main issues raised during the public hearing and their action plan:**

S. No.	Name of the Person	Public comments/objections/suggestions in brief	Response of the project proponent	Action Plan along with budgetary allocation & timeline
1.	Shri Jagdish Village- Abbaspur	He asked that what will be the benefits to the villagers from the establishment of this industry?	The company explained that with the establishment of the industry, the area will develop & the people of the village will also get both direct & indirect employment according to their qualification.	There will be direct & indirect jobs and business opportunities to the local people such as daily wage labour, transporters and raw material suppliers. Total manpower required for operation of plant is around 200 employees (150 permanent & 50 temporary) and 150 employees (10 permanent & 140 temporary) during construction phase which will be provided to the local people and will be employed as per their skills and abilities.
2.	Shri Rajendra (Gram Pradhan) Village- Abbaspurrewadi	He asked that how to improve the standard of living of the villagers with the establishment of industry?	The company explained that youth of the village will get golden opportunity in terms of employment based on their qualification, which will improve the quality of the life of villagers and they will not have to go to	As part of CER activities, the company will spend Rs. 1 Crore in 2 years on Skill development for youth & women by organizing Training programmes for youth/residents in Skill Development centre; Women empowerment-training w.r.t sewing,

S. No.	Name of the Person	Public comments/objections/ suggestions in brief	Response of the project proponent	Action Plan along with budgetary allocation & timeline
			other district or states for jobs.	nursing, arts & crafts etc.; training with respect to functioning of Effluent Treatment Plant, Solid Waste Management etc. & Rs 2 Crores in 2 years for Social Infrastructure development by Community Center development, Village Pond Infrastructure Development, Installation of Solar Street Lights, Playground development & Development of market places & drainage system, Road infrastructure development etc.
3.	Shri Sher Singh Rathor	He asked that what will be the contribution of unit towards the health of villagers? There are various problems related to the health in our region and I request for availability of ambulance facility in the rural area.	The Consultant explained that medical health infrastructure and ambulance facility will be made available, so that it would be used by the people of village in case of emergency and this facility will be available 24 hours.	The company will develop Health Infrastructure & facilities after consultation with CMO by strengthening the medical centers by distributing medical equipments-ECG, autoclave, X-ray machine, stethoscope, thermometers, oximeters, oxygen cylinders, USG machine, surgical kit, etc. Ambulance facility will be available 24 hours for all villagers. For this the company has allocated Rs. 2 Crores to be spent in 2 years under socio economic development.

S. No.	Name of the Person	Public comments/objections/ suggestions in brief	Response of the project proponent	Action Plan along with budgetary allocation & timeline
4.	Shri Deep Narayan Singh (School Manager)	He asked that how many persons will get employment from the industry as in our region 30 % people are illiterate?	<p>It was informed by the industry management that the establishment of the plant will directly and indirectly increase the revenue of the Center and the State and provide employment opportunities. Markets will open within two-three years of the establishment of the project which will lead to development of people here; children of local villagers will definitely be given employment as per their ability. Further industry management informed that Sports events will be organized for interested children for their encouragement.</p>	<p>Total manpower required for operation of plant is around 200 employees (150 permanent & 50 temporary) and 150 employees (10 permanent & 140 temporary) during construction phase which will be provided to the local people and will be employed as per their skills and abilities.</p> <p>To strengthen the infrastructure for education, Up gradation of School infrastructure & Educational facilities along with Sports activities for Youth development will be done. For the same Rs. 1 Crore has been allocated for 2 years to be spent for Interactive smart class equipment like desktop computers, projectors, Interactive White Boards, Distribution of study materials, school bags etc., Sanitation facilities, Drinking water facilities, Solar panel installation, Sports activities & distribution of Sports accessories, development & maintenance of sports ground etc.</p>

Capital cost and recurring cost of EMP are given below:

S. No.	Description	Capital Cost (Crores)	Recurring Cost/ annum (Lakhs)
1	Air Pollution management - ESP + Stack	13.5	1.5
2	Water Pollution management – ZLD System, ETP, STP etc.	10.0	0.37
3	Environment monitoring - Laboratory instrument & Chemicals, Online monitoring of air and water system, Noise & groundwater monitoring Instruments, Third party monitoring, Submission of compliance, ESR etc.	2.5	0.50
4	Solid waste management - Ash handling & management & other	2.5	0.4
5	Greenbelt & plantation development	1.0	0.23
6	Rain water harvesting	0.5	-
	Total	30	3.0

Annexure - V

Details of extended EMP (CER) with proposed activities and budgetary allocation:

S. No.	PROPOSED ACTIVITIES	IMPLEMENTATION OF EMP FOR SOCIAL AND INFRASTRUCTURE DEVELOPMENT ON THE BASIS OF PHYSICAL TARGETS		TOTAL BUDGET ALLOCATED (RS. IN LAKHS)
		Year 1	Year 2	
1.	Up gradation of School infrastructure & Educational facilities along with Sports activities for Youth development- <ul style="list-style-type: none"> Interactive smart class equipment like desktop computers, projectors, Interactive White Boards, 	Rs. 50.0 Lakhs (Govt school in Village Chapartala) (Drinking water facilities- Rs. 2 lakh, solar panels installation- Rs. 10 lakhs, Rs 20 lakhs for desktop computers,	Rs. 50.0 Lakhs (Govt school in Village Dulhapur) (Drinking water facilities- Rs. 2 lakh, solar panels installation- Rs. 10 lakhs, Rs 20 lakhs for	Rs. 100.0 lakhs

S. No.	PROPOSED ACTIVITIES	IMPLEMENTATION OF EMP FOR SOCIAL AND INFRASTRUCTURE DEVELOPMENT ON THE BASIS OF PHYSICAL TARGETS		TOTAL BUDGET ALLOCATED (RS. IN LAKHS)
		Year 1	Year 2	
	<ul style="list-style-type: none"> • Distribution of study materials, school bags etc. • Sanitation facilities • Drinking water facilities • Solar panel installation • Sports activities & distribution of Sports accessories, development & maintenance of sports ground 	projectors, Interactive White Boards and distributing study materials, sanitation facilities, Rs 18 lakhs for Organizing sports activities & distribution of Sports accessories, development & maintenance of sports ground)	desktop computers, projectors, Interactive White Boards and distributing study materials, sanitation facilities, Rs 18 lakhs for Organizing sports activities & distribution of Sports accessories, development & maintenance of sports ground)	
2.	Skill development for youth & women- <ul style="list-style-type: none"> • Training programmes for youth/residents in Skill Development centre • Women empowerment-training w.r.t sewing, nursing, arts & crafts etc. • Training with respect to functioning of Effluent Treatment Plant, Solid Waste Management etc. 	Rs. 50.0 lakhs (Village- Abbaspur) Benefit extended to approx. 100 persons & 50 women)	Rs. 50.0 lakhs (Village – Dandaura) Benefit extended to approx. 100 persons & 50 women	Rs. 100.0 lakhs
3	Development of	Rs. 100 lakhs	Rs. 100 lakhs	Rs. 200.0

S. No.	PROPOSED ACTIVITIES	IMPLEMENTATION OF EMP FOR SOCIAL AND INFRASTRUCTURE DEVELOPMENT ON THE BASIS OF PHYSICAL TARGETS		TOTAL BUDGET ALLOCATED (RS. IN LAKHS)
		Year 1	Year 2	
	<p>Health Infrastructure & facilities after consultation with CMO –</p> <ul style="list-style-type: none"> • Medical infrastructure development • Strengthen the medical Centers by distributing medical equipment -ECG, autoclave, X-ray machine, stethoscope, thermometers, oximeters, oxygen cylinders, USG machine, surgical kit, etc. • Ambulance service for 24 hours for all villagers 	Development of Health Infrastructure & facilities after consultation with CMO	Development of Health Infrastructure & facilities after consultation with CMO	lakhs
4.	<p>Social Infrastructure Development-</p> <ul style="list-style-type: none"> • Community Center development • Village Pond Infrastructure Development • Installation of Solar Street Lights • Playground development • Development of 	<p>Rs. 100.0 Lakhs (Village – Dandaura)</p> <p>(Rs. 10 Lakhs for 250 nos. solar street light, Rs. 20 Lakhs for local pond & RWH pond development, Rs. 10 lakhs will be</p>	<p>Rs. 100.0 Lakhs (Village- Abbaspur)</p> <p>(Rs. 10 Lakhs for 250 nos. solar street light, Rs. 20 Lakhs for local pond & RWH pond development,</p>	Rs. 200.0 lakhs

S. No.	PROPOSED ACTIVITIES	IMPLEMENTATION OF EMP FOR SOCIAL AND INFRASTRUCTURE DEVELOPMENT ON THE BASIS OF PHYSICAL TARGETS		TOTAL BUDGET ALLOCATED (RS. IN LAKHS)
		Year 1	Year 2	
	market places & drainage system etc. • Road infrastructure development	provided for development of market places & drainage system, Rs. 10 Lakhs for Community Center development, Rs. 50 Lakhs for Road infrastructure development)	Rs. 10 lakhs will be provided for development of market places & drainage system, Rs. 10 Lakhs for Community Center development, Rs. 50 Lakhs for Road infrastructure development)	
5.	Plantation- Avenue plantation along roadside including plant approach road, tree plantation in nearby schools/colleges/vacant land/Panchayat bhavan, etc.	Rs. 10.0 Lakhs (2000 nos in Village- Abbaspur)	Rs. 15.0 Lakhs (2000 nos in Village- Dandaura & approach road from NH to plant)	Rs 25.0 lakhs
TOTAL				Rs. 625 Lakhs