



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The VP

SUPERIOR BIOFUELS PRIVATE LIMITED

SCO - 51-52, First Floor, Sector 8C, Chandigarh,,Chandigarh,Chandigarh-160009

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/UP/IND2/421286/2023 dated 22 Mar 2023. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC23A022UP141514 |
| 2. File No. | IA-J-11011/3/2020-IA-II(I) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5(g) Distilleries |
| 6. Name of Project | Proposed 300 KLPD Cane Juice/ Sugar Syrup/ Grain Based Distillery Plant & 6.0 MW Co-Generation Power Plant At Village Shamli-Shamla & Gagore, Tehsil Unn, District Shamli, Uttar Pradesh by M/s Superior Biofuels Private Limited |
| 7. Name of Company/Organization | SUPERIOR BIOFUELS PRIVATE LIMITED |
| 8. Location of Project | Uttar Pradesh |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 19/04/2023

(e-signed)
A N Singh
Scientist E

IA - (Industrial Projects - 2 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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PARIVESH

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This has reference to your online proposal no. IA/UP/IND2/421286/2023 dated 22nd March, 2023 for environmental clearance to the above-mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for establishment of 300 KLPD Cane Juice/ Sugar Syrup/ Grain Based Distillery along with Concentrated spent wash & Biomass based 6.0 MW Co-Generation Power Plant at Village Shamli-Shamla & Gagore, Tehsil Unn, District Shamli, Uttar Pradesh by M/s. Superior Biofuels Private Limited.

3. 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 in MoEFCC, New Delhi.

4. The details of products and capacity as under:

S. No.	Units	Products	Capacity
1.	Cane Juice/ Sugar Syrup/ Grain Based Distillery	Ethanol/ Rectified Spirit/Extra Neutral Alcohol	300 KLPD
2.	Co-Generation Power Plant	Power	6.0 MW
3.	DWGS Dryer	DDGS	150 TPD
4.	Fermentation unit	Carbon dioxide	220 D

5. Standard Terms of Reference has been issued by Ministry of Environment, Forest & Climate Change (MoEFCC) vide letter no. IA-J-11011/3/2020-IA-II(I) dated 23rd February, 2022 and as amended on 15th February, 2023. PP informed that there is no litigation pending against the project.

6. Public Hearing for the proposed project was conducted by the Uttar Pradesh Pollution Control Board on 30th May, 2022 at project premises, which was presided by Ms. Jasjeet Kaur, District Magistrate, Shamli. The main issues raised during the public hearing and their action plan to address issues are place at Annexure-I.

7. PP informed that as per suggestion of the Committee, they have added 2.55 ha land to the existing plot of 6.10 ha. Hence, total land area acquired is 8.65 hectares. Greenbelt will be developed in total area of 2.86 hectares i.e., 33% of total project area. The estimated project cost is Rs. 100 Crores. Capital cost of EMP would be Rs 30.0 Crores and recurring cost for EMP would be Rs. 0.75 Crores per annum. Further, PP has revised the project cost to Rs. 175 crores and EMP cost has also been increased from Rs. 30 Crores to Rs. 35 Crores & EMP recurring

cost from Rs. 0.75 Crores per annum to Rs. 2.5 Crore. Industry has revised the allocation towards Extended EMP (Corporate Environment Responsibility) from Rs. 100 lakhs to Rs 300 Lakhs. Total Employment will be 150 persons as direct & indirect.

8. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, Reserve Forest (RF)/Protected Forest (PF) etc. within 10 km distance. Water bodies: River Khokhari Nadi is flowing at a distance of 7.5 km in WNW direction, Nala/Drain/Distributary- Katha Nala is at a distance of 0.2 km in South direction, Hatchhoiya Drain is at a distance of 2.0 km in East direction, Papri Distributary is at a distance of 6.0 km in East direction, Bidauli Distributary is at a distance of 6.5 km in SSE direction, Azizpur Drain is at a distance of 7.0 km in WSW direction, Bunta Distributary is at a distance of 7.0 km in South East direction, Hangauli Distributary is at a distance of 7.0 km in North East direction, Kairana Distributary is at a distance of 9.0 km in SSE direction, Khaji Sikandarpur Drain is at a distance of 9.5 km in South direction & Rajhar Drain is at a distance of 9.5 km in South East direction. NOC has been obtained from Office of Executive Engineer, Drainage Division, Shamli (Muzaffarnagar) Vide letter no. 166/DDM/Mining Dated 13.02.2023 stating that there is no record of flood in the last 1:25 years at the project location.

9. Ambient air quality monitoring was carried out at 8 locations during October to December 2021 and the baseline data indicates the ranges of concentrations as: PM₁₀ (59.5 to 87.8 µg/m³, PM_{2.5} (27.5 to 51.5 µg/m³), SO₂ (6.6 to 22.6 µg/m³) and NO₂ (13.0 to 39.4 µg/m³). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.385 µg/m³, 0.15 µg/m³, 0.605 µg/m³ and 0.811 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 fresh water requirement will be 1200 CMD which will be met from adjacent Sugar Mill. M/s Superior Biofuels Private Limited has done MoU with M/s Superior Food Grains Limited regarding procuring water from the adjacent own sugar mill for distillery operations with Certificate no. IN-CH40469054386638V dated 09 Feb 2023. Spent Wash/stillage from grain based will be sent to the decanter followed by the Multiple Effect Evaporator and dryer to form DDGS. DDGS to be used as cattle feed. Spent wash from sugar syrup will be concentrated in MEE and concentrated spent wash will be burned in the incineration boiler. Effluent of 1515 CMD quantity will be treated through Condensate Polishing Unit/Effluent Treatment Plant of capacity 1900 KLPD. STP of capacity 20 KLPD will be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

11. Power requirement will be 6.0 MW, which will be met from proposed 6.0 MW Co- Generation Power Plant. 50 TPH Concentrated spent wash & Biomass fired boiler will be installed. APCE ESP with a 72 m high stack will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ for the proposed boiler. 2 x 1000 KVA DG sets will be used as standby during power failure and stack height 6.5 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 72 m. high stack will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ for the proposed boiler.
- CO₂ generated (220 TPD) during the fermentation process will be collected and 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:

- During Cane Juice/ Sugar Syrup based Operation- Concentrated slop (70 TPD) from Multi Effect Evaporator shall be burnt in the 50 TPH Incineration boiler.
- During Grain based operation - Solid waste from the Grain based operations generally comprises of fibres and proteins in the form of DDGS (150 TPD), which will be ideally used as cattle feed.
- Ash (53 TPD) generated from proposed boiler will be used for supplied to nearby brick manufacturers in covered vehicles.
- Sludge will be dried and given to farmers to be used as soil manure.
- Used oil & grease (1.0 KL/annum) generated from plant machinery/gear boxes as hazardous waste will be sold out to the CPCB authorized recyclers.

14. Total project area is 8.65 Hectares out of which 3.94 hectares land has been purchased by M/s Superior Biofuels and converted to industrial land & rest 4.71 hectares land has been leased to M/s Superior Biofuels Private Limited by M/s. Superior Food Grains (P) Ltd. for distillery operations which is already industrial in nature.

15. During deliberations, EAC discussed following issues:

- PP informed that the certified compliance dated of 3.4.2023 of CTO condition has been obtained from SPCB. The Committee suggested them to submit the document to the Ministry.
- As per the earlier recommendations of EAC during ToR amendment for the project, the company had explored some more plots & now has increased the plant area from 6.10 ha to 8.65 ha (41% increase in total area by addition of 2.55 ha land).
- The company has increased the total project cost from Rs. 100 Crores to Rs. 175 Crores. In line with the total project cost, the EMP cost has also been increased from Rs. 30 Crores to Rs. 35 Crores & recurring cost from Rs. 0.75 Crores/annum to Rs. 2.50 Crores /annum.
- Due to increase in project cost, the company has increased the socio economic development activities budget from Rs 1.0 Crore to Rs 3.0 Crores which will be spent in nearby areas within the commissioning of the plant.
- The proposed distillery will be completely based on 'Zero effluent Discharge". Treated water to the tune of 1200 KLPD from adjacent own company Sugar mill i.e. M/s Superior Food Grains Pvt.Ltd.will be used for the proposed distillery activities which will be stored in 2 ponds covering a total area of 12066.5 m² & 24302.37 m² respectively in the premises of M/s Superior Food Grains Pvt.Ltd.
- The company has done MoU with adjacent Sugar mill i.e., M/s Superior Food Grains Pvt. Ltd. for supply of water & cane juice/sugar syrup & submitted the same.
- Sewage Treatment Plant of capacity 20 KLPD will be installed in the adjacent own sugar mill instead of septic tank as stated in Consent to Operate and the treated water will be reused for greenbelt activities.
- Rainwater harvesting will be done inside the plant premises in which 33435.13 cum/annum rainwater will be stored in underground tanks & surface pond and used for plant activities.
- 33% of total project area, i.e., 2.86 hectares will be developed as greenbelt within plant premises which will be achieved within December, 2023. Local species like Arjun (*Terminalia arjuna*), Kadam (*Authocephalus cadamba*), Amla (*Embelica officinalis*), Mango (*Mangifera indica*), *Indian Beech Tree (Pongamia pinnata)*, Salai (*Boswellia serrata*), Kalam (*Mitragyna parvifolia*), Baheda (*Terminalia bellarica*), Mokha (*Schrebera swietenoides*), Ashok (*Saraca asoca*), Bargad (*Ficus bengalensis*), Gulmohar (*Delonix regia*), Neem (*Azadirachta indica*), Peepal (*Ficus religiosa*), Shisham (*Dalbergia sisoo*), Moringa (*Moringa oleifera*), etc. will be planted as greenbelt inside the plant premises.
- The company will increase provision of solar power within plant and to the nearby areas from 10% to 15% of total power consumption of the unit in form of solar lights/solar panels/solar gadgets etc. as a part of socio economic developmental activities.

- The company will install briquetting unit inside plant premises or adjacent land for proper management of fly ash.
- The company will install filter press for sludge management.
- The company hereby undertakes that the alcohol storage section will remain the same as depicted in the plant layout & storage tank sizes will not be changed as per the Risk Assessment Plan submitted. The company will follow all the recommendations for risk mitigation as per the EMP report submitted.
- PP submitted revised cost for Environment Management Plan.

The committee was satisfied with the response provided by PP on above information.

16. The proposal was considered by the EAC (Meeting ID: IA/IND2/13474/05/04/2023) held on 05th – 06th April, 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 7th August, 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 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 to the project for proposed 300 KLPD Cane Juice/ Sugar Syrup/ Grain Based Distillery Plant along with 6.0 MW Co-Generation Power Plant at Village Shamli-Shamla & Gagore, Tehsil Unn, District Shamli, Uttar Pradesh by M/s. Superior Biofuels Private Limited, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Condition:

- (i). 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 as per proposed in Annexure-II.
- (ii). 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.
- (iii). Total fresh water requirement shall not exceed 1200 m³/day, which will be sourced from adjacent sugar mill of M/s Superior Biofuels Pvt. Ltd. No ground water recharge shall be permitted within the premises. No ground water abstraction shall be permitted. Industry shall construct a rain water storage pond of 60 rainfall days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.

- (iv). Spent Wash/stillage shall be sent to the decanter followed by the Multiple Effect Evaporator and dryer to form DDGS. DDGS to be used as cattle feed. Spent wash from sugar syrup shall be concentration in MEE and concentrated spent wash shall be burn in the incineration boiler. The MEE & Drier condensate, spent lees, WTP Rejects, Boiler & Cooling tower blowdowns, washings etc., is shall be treated in the 'Condensate Polishing Unit' (CPU). STP shall be installed to treat domestic wastewater. The plant will be based on 'Zero Liquid Discharge' system and no effluent/treated water will be discharged outside factory premises.
- (v). ESP with a 72 meters high stack f will be installed with the spent wash and biomass fired 50 TPH boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³. Coal shall not be used as fuel in the 50 TPH boiler. 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.
- (vi). Boiler ash (53 TPD) will be supplied to brick. PP shall use spent wash and biomass as fuel for the proposed boiler. PP shall meet 15% of the total power requirement from solar power by generating power inside plant premises.
- (vii). CO₂ (220 TPD) generated during the fermentation process will be collected by utilizing CO₂ scrubbers and it shall be sold to authorized vendors/collected in proposed bottling plant.
- (viii). 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.
- (ix). 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.
- (x). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained.

- (xi). Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
- (xii). 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.
- (xiii). The green belt of at least 5-10 m width shall be developed in 2.86 hectares i.e., 33 % of total project area shall be maintained with tree density @ 2500 trees per hectares, mainly along the plant periphery. 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. Thick green belt shall be developed between the plant boundary and parking area. Saplings 4-6 feet in height shall be planted. 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 atleast 20 variety of species as a part of greenbelt.
- (xiv). PP proposed to allocate Rs. 3.00 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (Annexure-III). Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.
- (xv). 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% shall be allotted solely for parking purposes with facilities like rest rooms etc.
- (xvi). 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.

- (xvii). 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.
- (xviii). 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.
- (xix). PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th 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.

B. General Condition:

- (i) 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.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) 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).

- (iv) 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.
- (v) 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.
- (vi) 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.
- (vii) 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.
- (viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated 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.
- (ix) 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.

- (x) 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.
- (xi) 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.

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.

(A. N. Singh)
Scientist-'E'

Copy to: -

1. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, Bapu 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. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Shamli, Uttar Pradesh

7. Guard File/Monitoring File/Parivesh portal/Record File

(A. N. Singh)
Scientist-'E'
E-mail: aditya.narayan@nic.in
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Annexure -I

The main issues raised during the public hearing and their action plan:

S.No	Issues in brief	Action plan in brief	Budget allocated and timeline
1	Water pollution	Proposed project is based on advanced techniques only and not based on bio composting process. The concentrated spent wash generated will be mixed with bagasse and used as fuel in boiler. This is the cleanest technology at present for distillery industry.	Process condensate from MEE, Spent lees, CT Blow down, Boiler Blow down& DM Reject will be treated in CPU/ETP and recycled in process. Domestic waste water will be treated in Sewage Treatment Plant (Capacity 20 KLPD) and reused in Greenbelt. Treatment of secondary streams like spent lees, condensates, blow downs, etc. shall be in closed loop & any discharge outside the distillery shall not be done. Cost for water pollution and control ie, 1) MEE – Capital cost is 3 crore, recurring cost is 0.16 crore 2) Incineration boiler - capital cost is 21 crore and recurring cost is – 0.10 crore 3) Condensate polishing unit- capital cost 1.50 crore and recurring cost - 0.10 crore.
2	Employment opportunities	Approx. 150 skilled/un-skilled workers would be required for the operation of the industry. Local people will be given preference and employed according to their abilities. Along with employment opportunity, local people will also be provided with	Total manpower required for operation of plant is around 150 employees (125 permanent & 25 temporary) and 100 employees (5 permanent & 95 temporary) during construction phase which will be provided to the local people and will be employed as per their skills and abilities.

		training & development.	
3	Plantation in villages & greenbelt development	33% of the project area will be used for greenbelt development. Moreover, the plantation work will be carried out based on Miyawaki technique which uses less land to plant more trees. The project proponent said that besides project site, tree plantation will be done on school/college & other land	33% (2.86 Hectares) of total project area will be developed under greenbelt & plantation with a density of 2500 trees/ha & total native trees planted inside plant will be 7150. The company will be spending Rs. 10 lakhs in two years for plantation in nearby areas.
4	Improvement of damaged roads and provision of street lights	As part of socio economic development plan, the company will be spending Rs 40.0 lakhs on improvement of the nearby roads in Repair works like potholes, ruts, corrugations, paving, widening of lanes etc. in Villages ShamliShamla& Village Unn.	As part of socio-economic development plan, the company will be spending Rs 40.0 lakhs on improvement of the nearby roads in Repair works like potholes, ruts, corrugations, paving, widening of lanes etc. in Villages ShamliShamla& Village Unn.
5	Timely payment to the farmers	Issues regarding payment to farmers will be resolved. The farmers will be paid on time for the sugarcane purchased. Shamli district has 3 distilleries at present, among which M/S Superior Biofuels Food Grains Pvt. Ltd., Unn, has made the most payments, but it could still make improvements.	All attempts have been/will be made so that farmers get payments for sugarcane on time. All provision and efforts will be made so as to provide benefits to the people and no harm is done to the environment.

Annexure -II

Capital cost and recurring cost of EMP are given below:

Particular		Capital Cost (In crores)	Recurring Cost / annum (In crores)
Air management	ESP + stack+ Online monitoring system	4.00	0.50
Water Pollution & Effluent Treatment	Effluent Treatment Plant/Condensate polishing unit	1.50	0.50
Spent Wash Treatment Facility	MEE	3.00	0.50
	Incineration Boiler	25.6	0.50
Environment monitoring	Lab instrument	0.30	0.20
	Online monitoring of air and water		
	Third party investment for monitoring		
	Others		
Solid waste management	Ash handling & management	0.10	0.20
Greenbelt & plantation development	Plantation for greenbelt	0.50	0.10
Total		35 crores	2.50 crores

Annexure – III

Details of 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	Repair & improvement of existing roads- Repair works in nearby roads like potholes, ruts, corrugations, paving, widening of lanes etc.	Rs. 30.0 Lakhs Village Shamli-Shamla (1.5 km stretch- Sugar mill Road)	Rs. 30.0 Lakhs Village Unn (1.5 km stretch- Unn Thana Bhavan Road)	Rs 60.0 lakhs
2	Social Infrastructure Development- Installation of Solar Street Light/Solar Lanterns & Village Pond	Rs. 30.0 Lakhs Village Unn (Rs. 20 Lakhs for 500 nos. solar street light, Rs.	Rs. 30.0 Lakhs Village Shamli-Shamla (Rs. 20 Lakhs for	Rs. 60.0 lakhs

	& RWH pond Infrastructure Development, etc.	10 Lakhs for local pond & RWH pond development)	500 nos. solar street light, Rs. 10 Lakhs for local pond & RWH pond development)	
3	Plantation development- Plantation/ Avenue plantation along roadside, tree plantation in nearby schools/colleges/vacant land/Panchayat bhavan, etc.	Rs. 15.0 Lakhs (3000 nos in Village Shamli-Shamla)	Rs. 15.0 Lakhs (3000 nos in Village Unn)	Rs 30.0 lakhs
4	Skill development for youth- Organising Training programmes for youth/residents in Skill Development centre	Rs. 15.0 lakhs (Village Unn Benefit extended to approx. 150 persons)	Rs. 15.0 lakhs (Village Shamli-Shamla Benefit extended to 150 approx. persons)	Rs. 30.0 lakhs
5	Up gradation of School infrastructure & Educational facilities- Provide Interactive smart class equipments /gadgets/solar panels like desktop computers, projectors, Interactive White Boards and distributing study materials, school bags, sports equipments etc. to students, Seating Benches, installation of potable water facilities, construction of sanitized toilets etc.	Rs. 35 Lakhs (Govt school at Village Shamli-Shamla) (2 nos potable water facilities - Rs.2 lakh, solar panels installation- Rs. 10 lakhs, Rs 13 lakhs for desktop computers, projectors, Interactive White Boards and distributing study materials, school bags, sports equipments, Rs.	Rs. 35 Lakhs (Govt school at Village Unn) (2 nos potable water facilities - Rs.2 lakh, solar panels installation- Rs. 10 lakhs, Rs 13 lakhs for desktop computers, projectors, Interactive White Boards and distributing study materials, school bags,	Rs. 70.0 lakhs

		10 lakhs for construction of sanitized toilets etc)	sports equipments, Rs. 10 lakhs for construction of sanitized toilets etc)	
6	Up gradation of Healthcare facilities- Provision of oxygen cylinders, Health Check-up camps, medical instruments etc.	Rs. 25 Lakhs (PHC at Village Unn) (Provision of 5 oxygen cylinders- Rs. 2.5 lakhs, Health Check- up camps-Rs 7.5 lakhs, Medical instruments-Rs 15 lakhs etc.)	Rs. 25 Lakhs (PHC at Village Shamli-Shamla) (Provision of 5 oxygen cylinders- Rs. 2.5 lakhs, Health Check-up camps-Rs 7.5 lakhs, Medical instruments-Rs 15 lakhs etc.)	Rs. 50.0 lakhs
	TOTAL			Rs. 300.0 lakhs

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