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File No: IA-J-11011/189/2024-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 28/02/2025



To,

Sh. N.B. Singh
M/s BAJAJ HINDUSTHAN SUGAR LIMITED
Bajaj Hindusthan Sugar Ltd. Gola Gokarannath, Lakhimpur Kheri, U.P. , KHERI, UTTAR PRADESH,
, 262802
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Subject: Proposed 690 KLPD B-heavy molasses/Cane Syrup/Grain based Distillery along with 15 MW Co-generation power plant at Village Kastua & Kundarkhi, Tehsil & District Gonda, Uttar Pradesh by M/s Bajaj Hindusthan Sugar Limited (Kundarkhi Distillery Division) – Consideration of Environmental Clearance reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/UP/IND2/515438/2024 dated 03/01/2025 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.	EC24A2501UP5921103N
(ii) File No.	IA-J-11011/189/2024-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 690 KLPD B-heavy Molasses/Cane Syrup/Grain based Distillery along with 15 MW Co-generation power plant at Village Kastua & Kundarkhi, Tehsil & District Gonda, Uttar Pradesh by M/s Bajaj Hindusthan Sugar Limited (Kundarkhi Distillery Division)
(vii) Name of Project	BAJAJ HINDUSTHAN SUGAR LIMITED
(viii) Name of Company/Organization	GONDA, UTTAR PRADESH
(ix) Location of Project (District, State)	MoEF&CC
(x) Issuing Authority	

(xi) Applicability of General Conditions as per EIA Notification, 2006 No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for establishment of 690 KLPD B-heavy molasses/Cane Syrup/Grain based Distillery along with 15 MW Co-generation power plant located at Village Kastua and Kundarkhi, Tehsil & District Gonda, Uttar Pradesh by M/s Bajaj Hindusthan Sugar Limited (Kundarkhi Distillery Division).

4. All Distilleries [Non-Molasses based distilleries >200 KLD or Molasses based Distilleries >100 KLD] are listed at S.N. 5 (g) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

5. The details of products and capacity are given in Annexure 2.

6. Standard ToR have been issued by the Ministry vide letter F. No. IA-J-11011/189/2024-IA-II(I) dated 02.08.2024. It was informed by the PP that no litigation is pending against the project.

Public Hearing for the proposed project has been conducted by the Uttar Pradesh Pollution Control Board on 07th November, 2024 at 11:00 am in Junior High School, Village-Kastua, Development Block-Jhanjhari, District-Gonda chaired by the Additional District Magistrate, Gonda. The main issues raised during the public hearing and their action plan are given in Annexure 3.

PP informed that no written representations/ grievances/ complaints/ objections have not been received by public during the public hearing.

7. The total land area required is 22.12 hectares. Greenbelt will be developed in total area of 7.30 hectares, i.e., 33% of total project area. The estimated project cost is Rs. 787.56 Crores. The capital cost of EMP would be Rs. 68 Crores and the recurring cost for EMP would be Rs. 5.5 Crores per annum. Industry proposes to allocate Rs. 8.0 Crores towards Extended EMP. Total Employment will be 135 persons (90 Permanent + 45 Temporary) during the operation phase.

8. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, Protected forests etc. within 10 km distance. Only some patches of Randaura RF is at a distance of 2.5 km in the NE direction is present within 10 km radius. Water bodies: Chamdai Nala is at distance of 0.1 km in East direction, Pathri Tal is at a distance of 6.0 km in WSW direction, Bardhiya Nadi is at a distance of 7 km in SSE direction & Manwar Nadi is at a distance of 7.5 km in NE direction. NOC has been obtained from Office of Executive Engineer, Flood Division, Gonda vide letter no. 973/B.K.KH.GO/NOC letter/ dated 07.07.2023 stating that the project site does not lie in flood plain zone as per past 15 years flood data.

9. Ambient air quality monitoring was carried out at 8 locations during March to May, 2024 and the baseline data indicates the ranges of concentrations as: PM10 (40.7 to 77.8 µg/m³), PM2.5 (22.5 to 47.8 µg/m³), SO₂ (4.5 to 14 µg/m³) and NO₂ (10.3 to 26.1 µg/m³). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 1.26 µg/m³, 0.506 µg/m³, 1.60 µg/m³ and 1.82 µg/m³ with respect to PM10, PM2.5, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total maximum fresh water requirement for distillery during B-heavy Molasses based Distillery operation will be 1320 KLPD; during Cane syrup-based Distillery operation will be 630 KLPD and during Grain based Distillery operation will be 2735 KLPD, which shall be met from groundwater. Application has been submitted to Groundwater Department, Ministry of Jal Shakti, Govt. of Uttar Pradesh for Groundwater abstraction of 2750 KLPD vide application no. GNDA1224NIN0024 and GNDA1224NIN0025 dated 16.12.2024 and is under process. Effluent of max. 6297 CMD quantity (during B- heavy Molasses based operations) will be treated through Condensate Polishing Unit/Effluent Treatment Plant of capacity 6500 KLPD. STP of capacity 40 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. Maximum Power requirement for distillery (during grain based operations) will be 12.3 MW. Power requirement for the integrated complex (distillery, sugar mill & colony) will be 26.127 MW, which will be met from the proposed 15 MW Co-Generation Power Plant in the distillery and the remaining power from 48 MW cogeneration power plant of the sugar mill. Proposed 25 TPH and 125 TPH Bagasse & Concentrated spent wash fired boilers will be installed. APCE ESP with stacks of height 58 m and 91 m will be installed for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm³ for the proposed boilers of 25 TPH and 125 TPH respectively. 2 x 1500 KVA DG set will be used as standby during power failure and stack height 8 m above roof level will be provided as per CPCB norms to the proposed DG sets.

12. Details of Process emissions generation and its management:

- Electro-Static Precipitator (ESP) with stack of height (58 m & 91 m) will be installed with proposed 25 TPH & 125 TPH Boiler respectively to control the particulate matter emissions due to combustion of fuel within statutory limit of 50 mg/Nm³.
- CO₂ generated (max. 483 TPD) during fermentation process will be collected and sold to vendors as per local demand.
- 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 B-heavy Molasses/Cane Syrup based operation, spent wash will be concentrated in multi-effect evaporator and then burnt in the Incineration Boilers. Fly ash (188.25 TPD) generated from B-heavy Molasses will be supplied to nearby farmers in covered vehicles to use as a fertilizer for rich potash content & Fly ash (18.5 TPD) generated from Grain based operation will be supplied to nearby brick manufacturers in covered vehicles only.
- Solid waste from the Grain based distillery operations generally comprises of fibres and proteins in the form of DDGS (324 TPD), which will be ideally used as Cattle, poultry and fish feed ingredients.
- ETP/CPU sludge will be dewatered in Filter press and will be used as manure.
- Used oil & grease (0.5 KL/annum) generated from plant machinery/gear boxes as hazardous waste will be given to the CPCB authorized recyclers.

14. Total land of 22.12 hectares is completely under the possession of the company and converted to industrial land. The capital cost and recurring cost of EMP are given in Annexure 4 and the Details of Extended EMP with proposed activities and budgetary allocation are given in Annexure 5.

15. During deliberations, EAC discussed the following issues:

- PP shall justify the quantum of steam generated and requirement of 02 Boilers of 90 TPH capacity.
- PP shall incorporate all the water from sugar mill into distillery operation.

The committee was satisfied with the response provided by PP on the above information. Further, the 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 (ID: EC/AGENDA/EAC/156417/1/2025) meeting held on 30th – 31st January, 2025 in the Ministry, wherein the project proponent and the accredited M/s J.M Enviro Net Private Limited (NABET certificate no. NABET/EIA/2326/RA 0308 and validity till 07th August, 2026), 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 the 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), **the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for establishment of 690 KLPD B-heavy molasses/Cane Syrup/Grain based Distillery along with 15 MW Co-generation power plant at Village Kastua & Kundarkhi, Tehsil & District Gonda, Uttar Pradesh by M/s Bajaj Hindusthan Sugar Limited (Kundarkhi Distillery Division)**, 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 the 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 Environment, Forest and Climate Change, 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. Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran

Specific EC Conditions for (Distilleries)

1. Distilleries

S. No	EC Conditions
1.1	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.
1.2	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.
1.3	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.
1.4	During cane crushing season, total fresh water requirement for B-heavy Molasses based Distillery operation will be 1320 KLPD; during Cane syrup-based Distillery operation will be 630 KLPD and during Grain based Distillery operation will be 2735 KLPD, which shall be met from groundwater. C- Heavy molasses shall not be used as feedstock for the proposed project. No ground water recharge shall be permitted within the premises. Industry shall construct a rainwater storage pond of adequate capacity and the accumulated water to be used as fresh water thereby reducing freshwater consumption.
1.5	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. The MEE & Drier condensate, spent lees, WTP Rejects, Boiler & Cooling tower blowdowns, washings etc. 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.
1.6	The spent wash form molasses-based distillery shall be concentrated in MEE and concentrated spent wash shall be incinerated in the incineration boiler. Other lean effluents Spent lees, MEE Condensates and utility effluents shall be treated in the condensate polishing unit (CPU) comprising of three stage RO. 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. STP shall be installed to treat sewage generated from factory premises.
1.7	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up considering the ground water hydrogeology. Sampling and trend analysis

S. No	EC Conditions
	monitoring must be conducted on monthly basis and report submitted to SPCB and RO-MoEF&CC. The ground water quality shall be monitored for pH, BOD, COD, Chloride, Sulphate and Total Dissolved Solids and report submitted to the Ministry's Regional Office.
1.8	Five-field ESPs shall be installed for proposed 25 TPH and 125 TPH Bagasse & Concentrated spent wash fired boilers with 58 m and 91 m high stack respectively for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm ³ . Coal shall not be used as fuel for the 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.
1.9	The DG sets used for power requirements shall comply with the latest CPCB norms.
1.10	Boiler ash (188.25 TPD) shall be supplied to nearby farmers in covered vehicles to use as a fertilizer for rich potash content and 18.5 TPD (grain based operation) supplied to nearby brick manufacturers in covered vehicles. PP shall install 10% of the total power requirement in the form of solar power inside plant premises/adjacent/nearby areas.
1.11	CO ₂ (483 TPD) generated during the fermentation process will be collected by utilizing CO ₂ scrubbers in the proposed bottling plant.
1.12	PP shall allocate at least Rs. 0.8 Crores proposed as a capital cost and Rs. 0.2 Crore as recurring cost 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.
1.13	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.
1.14	The unit shall make 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. 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. PP shall adhere to OISD standards specifically OISD-STD-108 & 129.
1.15	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.
1.16	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.
1.17	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

S. No	EC Conditions
	of to the TSDF.
1.18	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.
1.19	Greenbelt of at least 5-10 m width shall be developed in 7.30 hectares, i.e., 33% of total project area with tree density @ 2500 trees per hectare, mainly along the plant periphery. Indigenous species shall only be planted 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 plant 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. Trees shall be planted in the Green Belt under the campaign #Plant4Mother #एक पेड़ माँ के नाम and uploaded on the MeriLiFE portal (https://merilife.nic.in/).
1.20	PP proposed to allocate Rs. 8.0 Crores towards Extended EMP which shall be spent as submitted in Extended EMP. Further, all the proposed activities under Extended EMP shall be carried out in consultation with District Administration and completed before commissioning of the plant.
1.21	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. At least 15% of total project area shall be allotted solely for parking purposes with facilities like rest rooms etc.
1.22	Storage of raw materials shall be either in silos or in covered areas to prevent other fugitive dust 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 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.
1.23	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.
1.24	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.
1.25	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 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

S. No	EC Conditions
	concerned authority.
1.26	The project proponent shall ensure the compliance of the Ministry's OM dated 14th January 2025 w.r.t. streamlining the implementation of Notifications G.S.R. 702 and G.S.R. 703 dated 12th November 2024.

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.

S. No	EC Conditions
1.8	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.
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.

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)
Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Anhydrous Alcohol (AA)/Impure Spirit	Product	690	Kilo Litre per Day (KLD)	Road	Main product
Power	Product	15	Mega Watt (MW)	cables	25 TPH & 125 TPH incineration boilers with ESP
DDGS	By-Product	324	TPD	Road	DDGS will be utilized as Cattle feed
Carbon dioxide	By-Product	483	TPD	Road	CO2 will be collected and sold to vendors

Annexure 2

The details of products and capacity as under:

S. No	Unit	Product/byproduct	Proposed Quantity
1	Distillery (B-heavy Molasses/Cane Syrup/Grain based)	Ethanol/Rectified Spirit/Extra Neutral Alcohol/Anhydrous Alcohol (AA)/Impure Spirit	
2	Co-generation Power Plant	Power & Steam	
3	Fermentation unit	Carbon dioxide	483 TPD
4	DWGS dryer (During grain based operations)	DDGS	324 TPD

Annexure 3

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

S. No.	Issue in brief	Action plan in brief	Budget allocated and timeline
1	Employment	PP informed that as per their educational qualification & skill, local people will be contacted immediately and company's top priority would be to give employment to local people.	The manpower required for the proposed distillery will be 350 persons (Permanent - 100 & Temporary- 250) during construction phase and 135 persons (Permanent - 90 & Temporary -45) will be required during operational phase.
2	Impact on environment & surroundings	PP informed that: Air Management Ø For proposed 25 TPH & 125 TPH boilers, ESP will be installed with stack height of 58 m & 91 m. Ø CO ₂ generated (483 TPD) during the fermentation process will be collected and sold to authorized vendors.	Cost for environmental protection measures: Capital cost: Rs. 68 Crores Recurring cost: Rs 5.5 Crores/annum

Ø DG Set (2 x 1500 KVA) will be provided with adequate stack height as per CPCB Guidelines.

Ø Greenbelt development around the periphery & within the premises of the plant (33% of total plant area) will help in attenuating the pollutant emitted and maintaining air quality.

Ø Regular water sprinkling will be done to control dust emissions.

Ø All the internal roads will be asphalted and regular sweeping & housekeeping will be maintained.

Rainwater Harvesting:

Effluent Management:

During B-Heavy Molasses/Cane Syrup based Operation-

Ø Raw Spent wash (4485 TPD) generated during B-Heavy Molasses based Operations from the analyzer column, will be concentrated in Multi – Effect Evaporator (MEE). The Concentrated Slop (1206 TPD) from Multi Effect Evaporator shall be burnt in proposed 125 TPH Incineration Boiler along with bagasse as fuel.

Ø Raw Spent wash (2898 TPD) generated during Cane Syrup based Operations from the analyzer column, will be concentrated in Multi – Effect Evaporator (MEE). The Concentrated Slop (292 TPD) from Multi Effect Evaporator shall be burnt in proposed 25 TPH Incineration Boiler along with bagasse as fuel.

For Grain based operation:

Solid and hazardous waste management:

Ø During B-heavy Molasses/Cane Syrup based operation, Spent wash will be concentrated in multi-effect evaporator and then burnt in the Incineration Boilers. Fly ash (188.25 TPD) generated from B-heavy Molasses will be supplied to

CER Cost for Cleaning of Nala/Drain & village pond & RWH pond Infrastructure Development etc.: Rs. 40 lakhs

		<p>nearby farmers in covered vehicles to use as a fertilizer for rich potash content & Fly ash (18.5 TPD) generated from Grain based operation will be supplied to nearby brick manufacturers in covered vehicles only.</p> <p>Ø ETP/CPU sludge will be dewatered in Filter press and will used as manure.</p> <p>Ø Used oil & grease (0.5 KL/annum) generated from plant machinery/gear boxes as hazardous waste will be given to the CPCB authorized recyclers.</p>	
3	Construction of approach road	PP informed that a paved road will be constructed before the proposed industry starts functioning.	CER Cost for construction of roads: Rs. 1 crore in 2 years
4	Cleaning of drains	PP informed that the proposed industry will be set up on the technology of zero effluent discharge and it is also assured that no wastewater will be released from the sugar mill operating in the above premises in future. Arrangements have been made to use the generated effluent in agricultural work after treated it as per the board's standards through ETP. No effluent will be released into canals/drains. PP informed that work of cleaning the drain will be done immediately.	<p>EMP Cost for effluent treatment:</p> <p>Capital Cost: Rs. 22 crores</p> <p>and Recurring cost/annum: Rs. 2.0 crores</p> <p>CER Cost for Cleaning of Nala/Drain & village pond & RWH pond Infrastructure Development etc.: Rs. 40 lakhs</p>

Annexure 4

Capital cost and recurring cost of EMP are given below:

S. No.	Description		Capital Cost (Crores)	Recurring Cost/annum (Crores)
1.	Air Pollution management	Boiler stacks + ESPs + Online Monitoring Systems	15.0	1.2
2.	Effluent Treatment	ZLD System, Condensate polishing unit/ETP and STP	22.0	2.0
3.	Noise & Vibration control	Installation of acoustic barriers and equipment	4.0	0.3
4.	Fugitive Emission control	Water Sprinkling system, closed storage yard	5.0	0.4
5.	Environment monitoring	Lab instrument, Online monitoring System, Third party monitoring, audit	5.0	0.6
6.	Solid waste management	Ash handling & management Others	10.0	0.7
7.	Greenbelt & plantation development	Plantation for greenbelt	1.0	0.2
8.	Rain water harvesting	Required infrastructure	6.0	0.1
Total			68.0	5.5

Details of Extended EMP with proposed activities and budgetary allocation:

S. No	Proposed activities	Implementation of Extended EMP for social and infrastructure development on the basis of physical targets			Total budget allocated (Rs. In lakhs)
		Year 1	Year 2	Year 3	
1	Construction and Maintenance of Road	Rs. 50 Lakhs Approach road from plant site to village Kastua	Rs. 50 lakhs Approach Road from plant site to Mankapur-gonda road	-	Rs. 100 Lakhs
2	Social Infrastructure Development- Installation of Solar Street Light, Solar Lanterns, Construction of community toilets, community hall, Facility of potable drinking,	Rs. 30 Lakhs (Village Harahava and Village Kumharan)	Rs. 30 Lakhs (Village Kastua and Village Kundarkhi)	-	Rs. 60 Lakhs
3	Cleaning of Nala/Drain & village pond & RWH pond Infrastructure Development etc.	Rs. 20 Lakhs	Rs. 20 Lakhs	-	Rs. 40 Lakhs
4	Up gradation of Local School Infrastructure & Educational facilities- Provide Interactive smart class equipments /gadgets like desktop computers, projectors, installation of potable water facilities, renovation of classrooms, construction of toilets, development of playground, training facilities on sports, rainwater harvesting development in school premises, plantation etc.	Rs. 50 lakhs (School in village Kumnarch and in village Harhawa)	Rs. 50 Lakhs (School in village Bara Kastua and in village Ahiran)	-	Rs. 100 Lakhs

5	Skill development for youth and women- Organising Training programmes for youth/residents/women for sewing machines, handicrafts, painting etc., ITI training for civil, mechanical & electrical courses in Skill Development centre.	Rs. 60.0 lakhs (Village Kastua and Village Kundarkhi)	Rs. 60.0 lakhs (Village Harahava and Village Kumharan)	Rs. 60.0 lakhs (Village Kaji Dewar and Village Ahiran)	Rs. 180 lakhs
6	Health Care facilities– Infrastructure development in hospital like toilets, beds, potable water facilities, Strengthen the medical Centres by distributing medical equipments, Mobile ambulance van etc.	Rs.140.0 Lakhs Village Harahava and VillageKundarkhi	Rs. 140.0 Lakhs Village Kastua and Village Kaji Dewar	-	Rs. 280 lakhs
7	Plantation- Plantation/ Avenue plantation along roadside, tree plantation in nearby Schools /colleges/ vacant land/ Panchayat bhavan, etc.	Rs. 15 Lakhs 1500 no. of trees in village Bara Kastua and 1500 no. of trees in village Kaji dewar	Rs. 15 Lakhs 1500 no. of trees in village Kundarkhi and 1500 no. of trees in village Harahava	-	Rs. 30.0 lakhs
8	Facility of Potable Drinking Water	Rs. 5 Lakhs Village Kastua and Village Kaji Dewar	Rs. 5 Lakhs (Village Kundarkhi and Village Harahava)	-	Rs. 10 Lakhs
TOTAL					Rs. 800 Lakhs