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File No: IA-J-11011/392/2018-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
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Dated 21/02/2024



To,

Sh. Khaja Abdul Aziz  
M/s. BILAGI SUGAR MILL LTD  
KHB Colony, Bagalkot , Badagandi, BAGALKOTE, KARNATAKA, , 587101  
bilagisugarmill@yahoo.co.in

**Subject:** Proposed Integrated expansion of Sugar Plant from 10000 to 15000 TCD, Co-generation Power Plant from 60 MW to 77 MW and Distillery /Ethanol Plant from 60 to 200 KLPD at Village Badagandi, Taluk - Bilagi, Dist. Bagalkot, Karnataka by M/s. Bilagi Sugar Mill Ltd. – Consideration of Environment Clearance reg.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Proposed Integrated expansion of Sugar Plant from 10000 to 15000 TCD, Co-generation Power Plant from 60 MW to 77 MW and Distillery /Ethanol Plant from 60 to 200 KLPD at Village Badagandi, Taluk - Bilagi, Dist. Bagalkot, Karnataka by M/s. Bilagi Sugar Mill Ltd submitted to Ministry vide proposal number IA/KA/IND2/439947/2023 dated 30th November, 2023.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C0000KA5773583N
(ii) File No.	IA-J-11011/392/2018-IA-II(I)
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	5(j) Sugar Industry,5(g) Distilleries
(vi) Sector	Industrial Projects - 2 Proposed Integrated expansion of Sugar Plant from 10000 to 15000 TCD, Co-generation Power Plant from 60 MW to 77 MW and Distillery /Ethanol Plant from 60 to 200 KLPD at Village Badagandi, Taluk - Bilagi, Dist. Bagalkot, Karnataka by M/s. Bilagi Sugar Mill Ltd
(vii) Name of Project	Bilagi Sugar Mill Ltd
(viii) Name of Company/Organization	BILAGI SUGAR MILL LTD

<b>(ix) Location of Project (District, State)</b>	BAGALKOTE, KARNATAKA
<b>(x) Issuing Authority</b>	MoEF&CC
<b>(xii) Applicability of General Conditions</b>	no
<b>(xiii) Applicability of Specific Conditions</b>	no

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for the expansion of Sugar Plant from 10000 to 15000 TCD, Co-generation Power Plant from 60 MW to 77 MW and Distillery /Ethanol Plant from 60 to 200 KLPD at Village Badagandi, Taluk - Bilagi, Dist. Bagalkot, Karnataka by M/s. Bilagi Sugar Mill Ltd.

4. As per EIA Notification 2006 and its amendment thereof, the project fall under Schedule 5 (g) Category A ; however, as per MoEFCC Notification S.O. 345(E), dated 17th January, 2019; notification number S.O. 750(E), dated 17th February, 2020; S.O. 980 (E) dated 02nd March, 2021 & S. No. 2339(E) 16th June, 2021, a special provision in the EIA Notification, 2006 is given for "Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for the existing unit, to be used completely for Ethanol Blended Petrol (EBP) Programme only, as per self-certification in form of an affidavit by the Project Proponent, shall be appraised as category 'B2' projects.

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

6. SEIAA has issued Environmental Clearance to the existing sugar industry for a capacity of 10000 TCD from SEIAA, Karnataka vide No. SEIAA 10 IND 2018 dated 18.09.2019 & for exiting 60 KLPD distillery from from SEIAA, Karnataka vide No. SEIAA 39 IND 2019 dated 04.03.2020. Certified Compliance report of existing ECs has been obtained from the Integrated Regional Office, Bengaluru vide File no- EP/12.1/2017-18/03/KAR/570 dated 21.07.2023. Action Taken Report has been submitted to IRO, Bangalore, dated 06.12.2023 for five partial compliances & two non-compliances. A certified Closure Report has been issued by IRO, MOEFCC, EP/12.1/2017-18/03/KAR/822 dated 05.01.2024. EAC found compliance status satisfactory.

EAC noted that there were few non/partial compliances after the closure report. In this regard, PP has committed that the Industry shall:

- Install additional air quality monitoring station by Feb 2024.
- Monitoring of night time noise levels will be conducted, and the number of noise monitoring stations will be expanded to four by Jan 2024.
- Install LED lights by FY 2024-25.
- Take due care regarding the advertisement of ECs obtained in the Future.
  - APCE as 3 field Electro Static Precipitator with a stack of height of 85 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup> for the proposed augmented 160 TPH sugar boiler. APCE as Electro Static Precipitator with a stack of height of 72 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup> for the proposed augmented 36 TPH distillery boiler. APCE as Electro Static Precipitator with a stack height of 52 m is installed with the existing 55 TPH sugar boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup>.

7. Standard ToR and public Hearing conduction is not applicable as the project falls under category B2 as per OM dated 16th June, 2021. It was informed that there is no litigation pending against the project.

8. Total plant area after expansion will be 35.25 Ha which is under possession of the company. No additional land will be acquired for the expansion project as the same will be done within existing plant premises. Out of the total plant area 11.83 Hectares i.e. 33.56% of the total plant area will be developed under greenbelt & plantation in and around plant premises. The estimated project cost for the proposed expansion is Rs. 262.26 Crores. The capital cost of EMP would be Rs. 9.20 Crores and the recurring cost for EMP would be Rs. 0.74 Crores per annum. Industry proposes to allocate Rs.

2.62 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion for sugar & distillery will be 745 persons as direct & indirect.

9. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserve forest patches near Mannikeri, Bilagi & Rolli are at a distance of ~2.5 km in SSW, ~3.5 in SW & ~3.89 in ENE direction respectively. Water bodies Krishna River is at a distance of 6.1 Km in the East direction and Almatti Dam is at a distance of 5.97 Km in the East direction.

10. AAQ modelling study for point source emissions indicates that the maximum cumulative incremental GLCs after the proposed project would be 1.1 µg/m<sup>3</sup>, 4.76 µg/m<sup>3</sup>, 1.57 µg/m<sup>3</sup> and 2.7 µg/m<sup>3</sup> with respect to PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub>. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total fresh water requirement after expansion during crushing season will be 176 CMD & during off season will be 559 CMD which will be met from Alamatti Dam. NOC has been obtained from the Executive Engineer, KBJNL, Dam Division vide Agreement No.330/4, dated 23.08.2019. Existing effluent generation from sugar is treated in 1000 CMD ETP. Total effluent of 689 CMD will be treated in augmented 1500 CMD ETP. Excess condensate from Sugar will be treated in 4800 CMD CPU. Proposed Effluent from proposed distillery which is treated through 1250 CMD Process Condensate Treatment Plant (PCTP). In molasses-based operation, spent wash generated from the analyser column during distillation will be concentrated in Multi Effect Evaporator and concentrated spent wash will be burnt in incineration boiler. Domestic waste water will be treated in Modular STP of capacity 25 KLPD. The plant is being/will be based on Zero Liquid discharge system and treated effluent/water is being/will not be discharged outside the factory premises.

12. Total power requirement of the distillery & sugar mill after expansion will be 2.5 MW & 17.5 MW resp. which will be sourced from the proposed 4.5 MW co-generation power plant in the distillery and 17.5 MW co-generation power plant in the distillery. Existing sugar has 55 TPH boiler with 52m stack height and augmentation of existing 150 TPH boiler to 160 TPH with 85m stack height is for proposed sugar expansion with APCE as ESP. Existing distillery has 33 TPH slop fired boiler which will be augmented to 36 TPH incineration boiler. APCE as ESP with a stack height of 72 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup> for the proposed augmented boiler. The industry has existing 1000 kVA & proposed 1000 kVA\*2 DG set which will be used as standby during power failure and stack height (12 m) will be provided as per CPCB norms to the proposed DG sets.

### 13. Details of Process emissions generation and its management:

- Online Continuous Emission Monitoring System has been installed for existing capacity with the stack and data will be transmitted to CPCB/SPCB servers.
- CO<sub>2</sub> (135 TPD) generated during the fermentation process is being/will be collected by utilizing CO<sub>2</sub> scrubbers and sold to authorized vendors/collected in proposed bottling plant.

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

- Concentrated spent wash (289 m<sup>3</sup>/day) will be burnt in incineration boiler.
- Bagasse ash (24.23 TPD) supplied to brick manufacturers
- Used oil (0.0024 TPD) will be sold to authorized recyclers.
- CPU sludge (2.4 TPD), Yeast sludge (26.9 TPD) and STP Sludge (2.08 TPD) will be used as manure.
- Press mud (600 TPD) will be used as manure.

15. As per Notification S.O 2339(E), dated 16th June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed expansion capacity of 140 KLPD will be used for manufacturing fuel ethanol only.

16. The proposal was considered by the EAC (Meeting ID: EC/AGENDA/EAC/302571/1/2024) held on 09th January, 2024 in the Ministry, wherein the project proponent and the accredited Consultant M/s. MITCON Consultancy and

Engineering Services Ltd. (NABET certificate no. NABET/EIA/2124/RA 0229\_Rev 02 and validity 05.02.2024), 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 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 EMP report is in compliance of the PFR. The Committee 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), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for the establishment of **the Proposed Integrated expansion of Sugar Plant from 10000 to 15000 TCD, Co-generation Power Plant from 60 MW to 77 MW and Distillery /Ethanol Plant from 60 to 200 KLPD at Village Badagandi, Taluk - Bilagi, Dist. Bagalkot, Karnataka by M/s. Bilagi Sugar Mill Ltd.,** 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 Forest, Environment & Ecology, Government of Karnataka, Room No. 708, Gate 2, Multi Storey Building, Dr. Ambedkar Veedhi, Bangalore - 1
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Regional Office, Kendriya Sadan, 4th Floor, E&F

Wings, 17th Main Road, Koramangala II Block, Bangalore - 34

3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 32
4. The Member Secretary, Karnataka State Pollution Control Board, Parisara Bhavan, #49, 4th& 5th Floor, Church Street, Bangalore -1
5. The Compliance and Monitoring Division-IA Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Bagalkot, Karnataka
7. 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.As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed expansion of 140 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.</p> <p>2.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 (<b>Annexure –III</b>).</p> <p>3.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>4.NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from Surface 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.</p> <p>5. Total fresh water requirement after expansion during crushing season shall not exceed 176 CMD &amp; during off season shall not exceed 559 CMD which will be met from Executive Engineer, KBJNL, Dam Division, Alamatti. During the Sugar crushing Season, entire treated water from the Sugar unit shall be utilized in the Distillery, reducing the fresh water demand to zero. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days rain fall capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.</p> <p>6.Industry shall install air cooled condensers.</p>

S. No	EC Conditions
	<p>7. For ensuring compliance of the existing EC, Industry shall:</p> <ul style="list-style-type: none"> <li>• Install additional monitoring station by Feb 2024.</li> <li>• Monitoring of nighttime noise levels will be conducted, and the number of noise monitoring stations will be expanded to four by Jan 2024.</li> <li>• Install LED lights by FY 2024-25.</li> <li>• Take due care regarding advertisement of ECs obtained in Future.</li> </ul> <p>8. 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.</p> <p>9. 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 RO, 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.</p> <p>10. 3 field Electro Static Precipitator as APCE with a stack of height of 85 m will be installed for controlling the particulate matter emissions within the statutory limit of 50 mg/Nm<sup>3</sup> for the proposed augmented 160 TPH sugar boiler. APCE as Electro Static Precipitator with a stack of height of 72 m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup> for the proposed augmented 36 TPH distillery boiler. APCE as Electro Static Precipitator with a stack height of 52 m is installed with the existing 55 TPH sugar boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup> for the proposed boiler. Coal shall not be used as fuel. SO<sub>2</sub> and NO<sub>x</sub> emissions shall be less than 100 mg/Nm<sup>3</sup>. 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>11. Boiler ash (24.23 TPD) supplied to brick manufacturers in covered trucks. PP shall install 15% of the total power requirement in the form of solar power by generating power inside the plant premises/adjacent/nearby areas.</p> <p>12. CO<sub>2</sub> (135 TPD) generated during the fermentation process is being/will be collected by utilizing CO<sub>2</sub> scrubbers and sold to authorized vendors/collected in proposed bottling plant.</p> <p>13. PP shall allocate at least Rs. 50 Lakhs as capital expenditure and Rs. 7 Lakhs per annum as operational expenditure 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 &amp; employees shall be provided with required safety kits/mask for</p>

S. No	EC Conditions
	<p>personal protection.</p> <p>14. 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>15. 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>16. 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>17. 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>18. Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic &amp; evaporation salt shall be disposed of to the TSDF. Sludge drying beds wherever proposed shall be replaced with filter press.</p> <p>19. 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>20. Total Green belt after expansion shall be 11.83 Hectares i.e. 33.56% of 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 plant at least 20 plant species as part of greenbelt development. 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. Development of green belt shall be completed by June, 2024.</p> <p>21. PP proposed to allocate Rs. 2.62 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (<b>Annexure –IV</b>). Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.</p> <p>22. 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 1.16 Ha. i.e., 15% shall be allotted solely for parking purposes with facilities like rest rooms etc. PP shall strengthen and maintain the road connecting the plant and highway</p> <p>23. Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and</p>

S. No	EC Conditions
	<p>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>24. 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>25. 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>26. 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.</p>

**Standard EC Conditions for (Distilleries)**

**1. General Conditions**

S. No	EC Conditions
1.1	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.
1.2	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.
1.3	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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . 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.
1.4	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

S. No	EC Conditions
	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.
1.5	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.
1.6	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 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.
1.8	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.
1.9	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).
1.10	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.11	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.

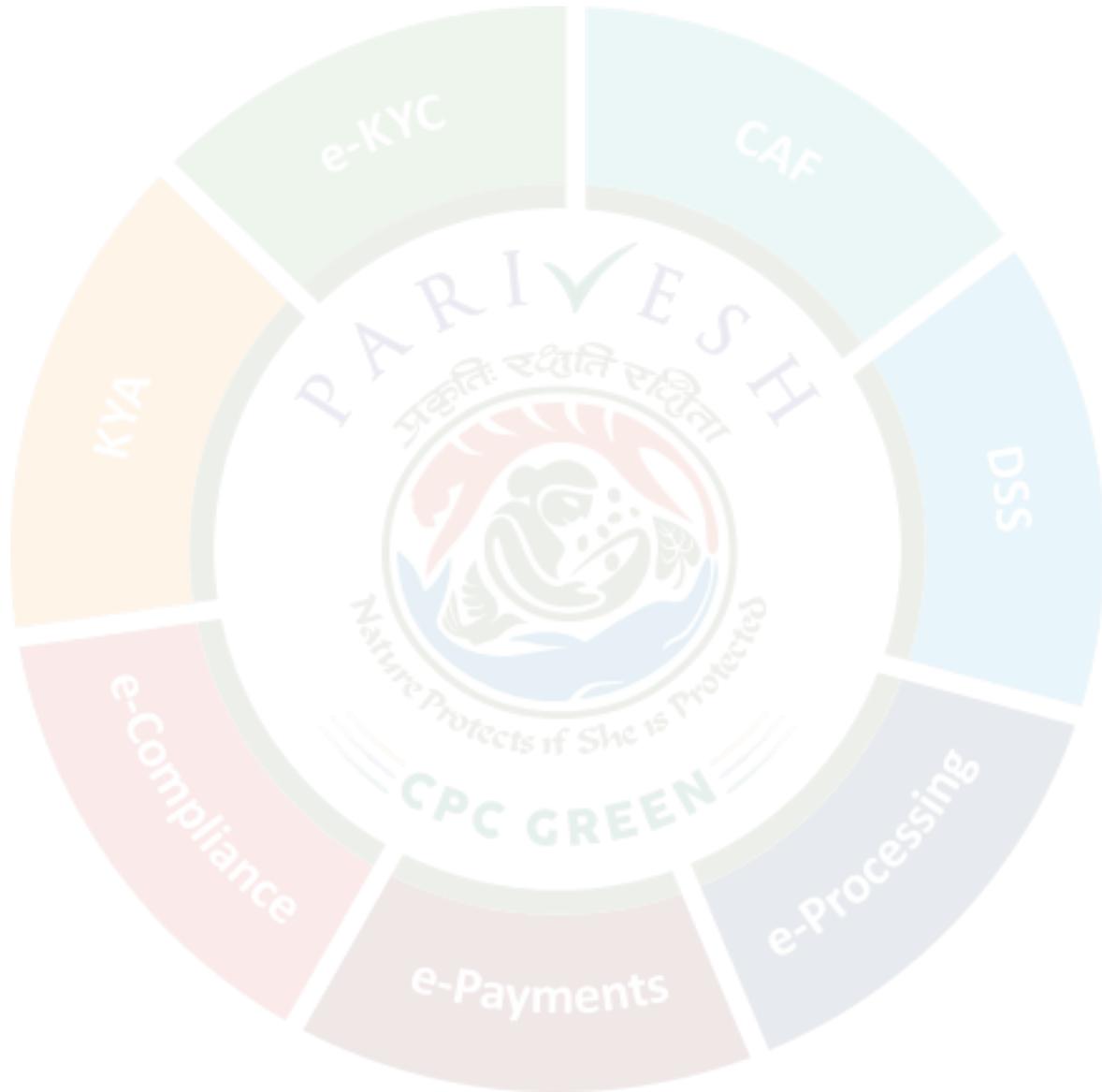
**Additional EC Conditions**

N/A

**Annexure 2**

**Details of Products & By-products**

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Sugar	Sugar	10000	5000	15000	Tons Crushed per Day (TCD)	Road
Ethanol	Ethanol	60	140	200	Kilo Litre per Day (KLD)	Road
Cogeneration power plant	Cogeneration power plant	60	17	77	Mega Watt (MW)	Grid
Carbon Dioxide (CO2)	Carbon Dioxide (CO2)	40.5	94.5	135	TPD	Road



**Annexure –II**

**The details of products and capacity are as under:**

Sr. no.	Name of unit	Name of the product/ by-product	Existing Production capacity	Additional Production capacity	Total Production capacity
1)	Distillery (B Heavy Molasses, Sugarcane syrup - Raw material)	Ethanol	RS/ENA/AA/ Ethanol 60 KLPD	Ethanol 140 KLPD	200 KLPD
2)	Co-generation power plant for distillery	Cogeneration	60 MW	17 MW	77 MW
3)	Sugar Mill	Sugar	10000 TCD	15000 TCD	5000 TCD
4)	Fermentation unit	Carbon di-oxide	40.5 TPD	94.5 TPD	135 TPD

**Annexure –III**

**Capital cost and recurring cost of EMP are given below:**

S. No	Construction phase (with Break-up)	Capital Cost	O & M
		(Amount in lakhs)	
1	Environmental monitoring	—	1.5
2	During site preparation	2.5	0
3	Noise and solid waste management	2	0
4	Water and waste water	5	0
5	Occupational health	3	2.5
6	Greenbelt development	5	5
	<b>Total (A)</b>	<b>17.5</b>	<b>9</b>
Sr. No	Operation Phase (with Break-up)	Capital Cost	O & M
		(Amount in lakhs)	
1	<b>Air pollution</b>		
	Incineration Boiler	150	20
b	For additional ESP field	125	
	Economizer coil including erection and commissioning	100	

c	OCEMS already installed. Third party monitoring cost	5	
2	<b>Water pollution</b>		
a	CPU	350	10
b	STP	10	
d	<b>Noise pollution</b>	1	3
3	Environmental Monitoring (Air, water, waste water, Soil, Solid waste, Noise)	5	5
4	Occupation health	50	7
5	Green belt	26.5	10
6	Solid waste	30	5
7	Rain water harvesting	50	5
8	<b>Total (B)</b>	<b>902.5</b>	<b>65</b>
	<b>Total A+B</b>	<b>920</b>	<b>74</b>

#### Annexure - IV

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

S r. N o.	CER Activity	Location	Descrip tion	Quant ities	Financial Year		Total Amount in Rs
					1st Year 2023- 2024	2nd Year 2024- 2025	
1	Providing Solar street lamps nearby Near Grmapan chayat,	Rolli Village	Solar street lights of 18-watt capacity each will be provided in nearby villages. Total 40 lamps in each village & on village roads will be provided .	20	2,00,00 0	2,00,00 0	4,00,00 0
		Badagandi village		20	2,00,00 0	2,00,00 0	4,00,00 0

				<b>40</b>	<b>40000</b>	<b>40000</b>	<b>80000</b>
					<b>0</b>	<b>0</b>	<b>0</b>
<b>2</b>	<b>Providing potable Water in nearby schools &amp; villages</b>	Govt ITI Bilagi	3 Potable water filter of capacity 1000 litres tank in each school & village will be provided . Water will be treated using UV and charcoal filters to make it drinkable.	3	30,000	30,000	60,000
		Girisagar		3	30,000	30,000	60,000
		Badagandi		3	30,000	30,000	60,000
		Mannikeri		3	30,000	30,000	60,000
		Rolli		3	30,000	30,000	60,000
				<b>15</b>	<b>15000</b>	<b>15000</b>	<b>30000</b>
					<b>0</b>	<b>0</b>	<b>0</b>
<b>3</b>	<b>Providing Ambulance/ equipments to the nearby Hospitals</b>	Government Hospital - Bagalkot	1. Medical equipments like Stethoscope, Nebulizers, Catheters, Sterilisation equipment, Thermometer, blood pressure monitor and EKG/ECG Machine	1	-	40,00,000	40,00,000
		Basava Poli Clinic Bilagi		1	40,00,000		40,00,000
		KEM general hospital, Bilagi		1	-	40,00,000	40,00,000

			s will be provided . 2. Providing Ambulance to the hospitals				
				<b>3</b>	<b>40000 00</b>	<b>80000 00</b>	<b>12000 000</b>
4	<b>Providing computers in nearby school/ colleges, necessary furniture, projector s, Air condition ers for computer lab, science lab equipmen t</b>	Govt ITI Bilagi	Schools will be made available with 80 benches , 20 tables, 5 projectors, 30 computers, 4 air conditioners for computer labs for each school/ college.	15	10,12,5 00	10,12,5 00	<b>20,25, 000</b>
		GPT Bilagi - Government College		15	9,87,50 0	9,87,50 0	19,75,0 00
		Govt. School, Anganwadi, Karnatak		14	9,10,00 0	9,10,00 0	18,20,0 00
		Adarsha Vidyalaya R.M.s.a, Bilagi		14	9,10,00 0	9,10,00 0	18,20,0 00
		Government Girls High School, Bilagi		14	9,10,00 0	9,10,00 0	18,20,0 00
		Government High School - Killa Galli, Bagalkot		14	9,10,00 0	9,10,00 0	18,20,0 00
		Govt PU College - Rolli		14	9,10,00 0	9,10,00 0	18,20,0 00
				<b>100</b>	<b>65500 00</b>	<b>65500 00</b>	<b>13100 000</b>
<b>Total</b>					<b>1,11,0 0,000</b>	<b>1,51,0 0,000</b>	<b>2,62,0 0,000</b>