



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

To,

The CHIEF EXECUTIVE
M/S SEKSARIA BISWAN SUGAR FACTORY LIMITED (SBSFL)
P.O Biswan, Dist-Sitapur, Uttar Pradesh-261201,,Sitapur,Uttar Pradesh-
261201

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/IND2/405983/2022 dated 15 Dec 2022. The particulars of the environmental clearance granted to the project are as below.

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|--|--|
| 1. EC Identification No. | EC23A022UP164704 |
| 2. File No. | J-11011/380/2006-IA-II(I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5(g) Distilleries |
| 6. Name of Project | EXPANSION OF EXISTING 81 KLD DISTILLERY UPTO 166 KLD B-HEAVY/CANE SYRUP BASED DISTILLERY PLANT ALONG WITH CO GEN POWER – 3.5 MW BY M/S THE SEKSARIA BISWAN SUGAR FACTORY LIMITED |
| 7. Name of Company/Organization | M/S SEKSARIA BISWAN SUGAR FACTORY LIMITED (SBSFL) |
| 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: 16/01/2023

(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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This has reference to your online proposal no. IA/UP/IND2/405983/2022, dated 15th December, 2022 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 proposed expansion of the existing Distillery Unit capacity from 81 KLD to 166 KLD (B-Heavy/Cane Syrup based distillery) with existing 3.5 MW Co-Generation Power Plant within existing plant premises at village - Jhajjhar, Tehsil - Biswan, District- Sitapur, Uttar Pradesh by M/s The Seksaria Biswan Sugar Factory Limited, Unit – Biswan.

3. As per EIA Notification 2006 (Schedule 5(g) Category A); however, as per in the MoEF&CC Notification S.O. 345(E), dated the 17th January, 2019, notification number S.O.750(E), dated the 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 "Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for 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".

4. The details of products and capacity as under:

S. No	Name of Unit	Product Details	Existing Quantity	Proposed Quantity	Total Quantity
1	Distillery	RS /ENA / Ethanol	81 KLD (RS/ ENA/ AA)	85 KLD (Ethanol Only)	166 KLPD
2	Co gen Power	Co-Gen Power	3.5 MW	No Change	3.5 MW (No Change)
3	Fermentation Unit	CO ₂	56 TPD	60 TPD	116 TPD

5. Ministry has issued Environmental Clearance to the existing Industry for a capacity of 65 KLD vide File No. J-11011/380/2006-1A II(I) dated 05th January 2007. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Lucknow - vide File no- IV/ENV/UP/IND-101/276/2008 dated 22th September 2022. No partial compliance has been found in CCR report.

6. 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 no litigation is pending against the proposal.

7. Total plant area after expansion will be 14.393 Ha, no additional land will be

acquired for expansion project as the same will be done within existing premises. Out of total plant area, 4.85 Ha i.e., 33% of the total plant area has already been developed as greenbelt & plantation and the same will be maintained/ will be developed under greenbelt & plantation in and around plant premises. The Cost for proposed expansion is Rs. 90.80 Crores. Capital cost of EMP would be Rs. 40.40 Crores and recurring cost for EMP would be Rs. 3.54 Crores per annum. Industry proposes to allocate Rs. 91 Lakhs towards Extended EMP (Corporate Environment Responsibility). Total Employment will be 120 Nos persons as direct & indirect.

8. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, and Wildlife Corridors etc. within 10 km distance. No Reserve Forest within 10 km radius. Water bodies: Puraini Tal is located at a distance of 3.5 Km in North East direction.

9. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be $0.67 \mu\text{g}/\text{m}^3$, $0.41 \mu\text{g}/\text{m}^3$, $0.86 \mu\text{g}/\text{m}^3$ and $0.67 \mu\text{g}/\text{m}^3$ with respect to PM_{10} , $\text{PM}_{2.5}$, SO_2 and NO_x . The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total fresh water requirement after expansion will be 694 KLD, which will be met from Ground Water. Permission for 1465 KLD has been obtained from Central Ground Water Authority. Other Effluent (Condensate/spent lees/blowdown etc.) generation after expansion will be 1432 KLD quantity will be treated through Condensate Polishing Unit /Effluent Treatment Plant of capacity 1750 KLD. Effluent of Spent wash generation after expansion will be 963 KLD (@ 5.8 – 6.0 KL/KL of product) quantity is being / will be treated through Multi effect evaporators. Concentrated spent wash is being / will be used as fuel in incineration boiler of capacity – 33 TPH (modified capacities). Condensate will be treated in condensate polishing unit. The plant is being/will be based on Zero Liquid discharge system and treated effluent/water will not be discharged outside the factory premises.

11. Total power requirement after expansion will be 3200 KW will be met from Co-generation power plant of 3.5 MW & State power distribution corporation Limited. Existing 33 TPH Incineration boiler has been installed. APCE Bag filter with a stack of height of 80 m has been installed for controlling the particulate emissions within the statutory limit of $50 \text{ mg}/\text{Nm}^3$ for the existing modified boiler.

12. Details of Process emissions generation and its management:

- APCE Bag filter with a stack height of 80 meters has been installed for controlling the particulate emissions.
- Online Continuous Emission Monitoring System has been installed with the stack and same data has been transmitted to CPCB/SPCB servers.
- CO_2 (116 TPD) generated during the fermentation process will be collected by utilizing CO_2 scrubbers and it shall be sold to authorized vendors/collected in installed bottling plant.

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

Particulars	Existing Requirement (81 KLD)	Additional (85 KLD)	Total after proposed expansion (166 KLD)
Total Ash	21.6 MT/Day	22.7 MT/Day	44.3 MT/Day
Yeast Sludge	7.0 MT/Day	2.96 MT/Day	9.96 MT/Day
CPU Sludge	1.0 TPD	0.5 TPD	1.5 TPD

14. 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 85 KLPD will be used for manufacturing fuel ethanol only.

15. During deliberations, EAC discussed following issues:

- Spent wash storage lagoon shall be covered and its capacity shall not exceed 5 days. PP agreed to it.
- PP has informed that Industry has already abandoned bio-composting since March, 2021 and started concentration and incineration for spent wash treatment. PP has also committed that bio-composting will not be done anymore.
- PP informed that Baggase and slop fired boiler capacity will be enhanced from 30 TPH to 33 TPH. Accordingly increase capacity shall meet the prescribed standards of emissions
- PP has informed that Bag filter was installed in boiler and is designed to achieve the emission limit of 50 mg/Nm³
- PP has given the dimensions of rain water tank as 40m (W) x 45m (L) x 4m (D).
- PP shall allocate at least Rs. 1.00 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities.

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

16. The proposal was considered by EAC (Ind-2) in its meeting ID: IA/IND2/13410/21/12/2022 held on 21st - 22nd December, 2022 in the Ministry, wherein the project proponent and their accredited Consultant M/s Environmental and Technical Research Centre (NABET certificate no. NABET/EIA/1922/IA0050 and validity 29th January 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 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), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the proposed expansion of existing Distillery Unit capacity from 81 KLD to 166 KLD (B-Heavy/Cane Syrup based distillery) with existing 3.5 MW Co-Generation Power Plant within existing plant premises at village - Jhajjhar, Tehsil - Biswan, District-Sitapur, Uttar Pradesh by M/s The Seksaria Biswan Sugar Factory Limited, Unit – Biswan, 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). As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed capacity of 85 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.

- (ii). 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.
- (iii). 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.
- (iv). NOC from the CGWA/Concerned Local authority shall be obtained before start of the construction of plant and drawing of the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. No ground water shall be used for the plant operations.
- (v). Total Fresh water requirement shall not exceed 694 m³/day after proposed expansion, which will be met from ground water. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- (vi). In molasses based operation, spent wash generated from the analyser column during distillation shall be concentrated in Multi Effect Evaporator followed by incineration in incineration boiler. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for makeup water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises. PP shall ensure that no biocomposting of spent wash shall be done in the factory premises.
- (vii). 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.

- (viii). Bag filter with a stack height of 80 meters will be installed with the proposed boilers of capacities 33 TPH Biomass fired boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³. SO₂ and NO_x emissions shall be less than 100 mg/Nm³. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.
- (ix). Boiler ash (44.3 TPD) shall be supplied to authorised vendor for manufacturing manure for which MoU has been submitted. PP shall use biomass like rice husk/bagasse as fuel for the proposed boiler. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas. Bio composting shall be abandoned in the existing plant by the within 2 years from the date of issuance of EC.
- (x). CO₂(116 TPD)generated during the fermentation process is being/will be collected by utilizing CO₂scrubbers and sold to authorized vendors/collected in proposed bottling plant.
- (xi). PP shall allocate at least Rs. 50 Lakhs/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.
- (xii). 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.
- (xiii). 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.
- (xiv). 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.

- (xv). 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.
- (xvi). The green belt of at least 5-10 m width shall be developed within one year from the date of issue of EC letter in 4.85 hectares i.e., 33% of the total project area 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.
- (xvii). PP proposed to allocate Rs. 0.91 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities like up-gradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, potable drinking water facilities, solar light/solar power support for uninterrupted power supply, soil nutrient management etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.
- (xviii). 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.
- (xix). 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.

- (xx). 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.
- (xxi). 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.
- (xxii). 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. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 11.
6. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
7. The District Collector, Sitapur District, Uttar Pradesh

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

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