



सत्यमेव जयते

File No:IA-J-11011/151/2022-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 20/09/2023



To,
Prateek Agarwal
M/s. Sterling Distillers Private Limited
BE 77, Sector 1, Salt Lake City, Kolkatta 700064, KOLKATA, WEST BENGAL, 700064
sterlingdistillerspl@gmail.com

Subject: Proposed 150 KLPD Grain based Ethanol Plant & 4.5 MW Co-generation Power Plant at Village Belari, Tehsil Ausgram – I, District Purba Bardhaman, West Bengal by M/s. Sterling Distillers LLP - Transfer of Environment Clearance regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/WB/IND2/440063/2023 dated 23rd August, 2023 for grant of transfer of Environmental Clearance (EC) to the project under the provision of para 11 of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C2505WB5535762T
(ii) File No.	IA-J-11011/151/2022-IA-II(I)
(iii) Clearance Type	Transfer of EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Proposed 150 KLPD Grain based Ethanol Plant & 4.5 MW Co-generation Power Plant at Village Belari, Tehsil Ausgram – I, District Purba Bardhaman, West Bengal
(viii) Name of Company/Organization	M/s. Sterling Distillers Private Limited
(ix) Location of Project (District, State)	PURBA BARDHAMAN, WEST BENGAL
(x) Issuing Authority	MoEF&CC
(xi) EC Date	28/08/2023
(xiii) Details of Transferee	BE 77, Sector 1, Salt Lake City, Kolkatta 700064,Kolkatta,315,19,700064
(xiv) Details of Transferor	Sterling Distillers LLP, BE 77, Sector 1, Salt Lake

1. This has reference to your online proposal vide No. IA/WB/IND2/440063/2023 dated 23rd August, 2023 regarding transfer of environmental clearance to the above project, from M/s. Sterling Distillers LLP to M/s. Sterling Distillers Private Limited.
2. It is noted that Ministry of Environment, Forests and Climate Change has issued environmental clearance vide EC Identification No. - EC22A060WB110534 File No. - IA-J-11011/151/2022-IA-II(I) dated 21st June, 2022 to M/s. Sterling Distillers LLP for **establishment of** 150 KLPD Grain based Ethanol Plant & 4.5 MW Co-generation Power Plant at Village Belari, Tehsil Ausgram – I, District Purba Bardhaman, West Bengal.
3. Now, the name of the company has changed from M/s. Sterling Distillers LLP to M/s. Sterling Distillers Private Limited **with no change of ownership**. Registrar of Companies certificate is submitted which mentions CIN number U11011WB2023PTC263938 of M/s. Sterling Distillers Private Limited & CIN number AA-2371 of M/s. Sterling Distillers LLP respectively.
4. M/s. Sterling Distillers LLP has submitted a copy of NOC given by its Vice President (Mr. Vikash Saraf) to transfer the above EC in the name of new company. Copy of undertaking signed by Director (Mr. Prateek Agarwal) of M/s. Sterling Distillers Private Limited has been submitted to abide by the terms and conditions prescribed in the environmental clearance dated 21st June, 2022.
5. As per the relevant provisions of the EIA Notification, 2006, the environmental clearance to the project for Proposed 150 KLPD Grain based Ethanol Plant & 4.5 MW Co-generation Power Plant at Village Belari, Tehsil Ausgram – I, District Purba Bardhaman, West Bengal by M/s. Sterling Distillers LLP granted by this Ministry vide EC Identification No. - EC22A060WB110534 File No. - IA-J-11011/151/2022-IA-II(I) dated 21st June, 2022 is hereby transferred from M/s. Sterling Distillers LLP to M/s. Sterling Distillers Private Limited on the same terms and conditions under which prior environmental clearance was initially granted and for the same validity period.
6. This issues with approval of the competent authority.

Copy To

1. The Principal Secretary, Department of Environment & Forest, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata – 700 106
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kolkata IB – 198, Sector-III, Salt Lake City, Kolkata - 700106
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
4. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhawan 10A, Block-LA, Sector-III Bidhannagar, Kolkata-700 106
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. District Collector, Purba Bardhaman, West Bengal
7. Guard File/Monitoring File/ Parivesh Portal /Record File

Validity unknown

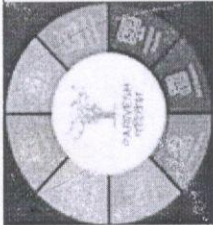
Digitally Signed by : Mr A N Singh
Member Secretary, MoEFCC (EC)

Date: 20/09/2023

ENVIRONMENTAL
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environment Single-Window Hub)



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

To,

The Vice President
STERLING DISTILLERS
BE-77, Salt Lake Sector-1
salt lake, Kolkata, 24 Parganas, West Bengal-700064

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/WB/IND2/270384/2022 dated 09 May 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A060WB110534 |
| 2. File No. | IA-J-11011/151/2022-IA-II(I) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5g(a)-Grain Based distilleries for Ethanol Blended Petrol |
| 6. Name of Project | Proposed 150 KLPD Grain based Ethanol Plant & 4.5 MW Co-generation Power Plant at Village Belari, Tehsil Ausgram – I, District Purba Bardhaman, West Bengal by M/s. Sterling Distillers LLP |
| 7. Name of Company/Organization | STERLING DISTILLERS |
| 8. Location of Project | West Bengal |
| 9. TOR Date | N/A |

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

Date: 21/06/2022

(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/WB/IND2/270384/2022, dated 09th May, 2022 seeking environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for establishment of grain based distillery 150 KLPD and 4.5 MW co-generation power plant (biomass/coal fired) at Village Belari, Tehsil Ausgram - I, District Purba Bardhaman, West Bengal by M/s. Sterling Distillers LLP.

3. As per the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006-(Schedule 5 (ga), Category B2) is made, wherein for all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

4. **The details of products and capacity as under:**

S. No.	Name of unit	Name of the product/by-product	Production capacity
1	Distillery plant	Ethanol	150 KLPD
2	Co-generation power plant	Power	4.5 MW
3	DDGS dryer	DDGS	70.75 TPD
4	Fermentation	Carbon di-oxide	124.6 TPD

5. Standard ToR and public Hearing is not applicable as the project falls under category B2 as per Notification S.O. 2339(E), dated 16th June, 2021. It was informed that no litigation is pending against the project.

6. Total land area required is 7.64 Hectares. Greenbelt will be developed in total area of 2.52 Hectares i.e. 33.0% of total project area. The estimated project cost is Rs. 196.88 Crore. Capital cost of EMP would be Rs. 15.2 Crore and recurring cost for EMP would be Rs. 2.0 Crore per annum. Industry proposes to allocate Rs. 2.0 Crore towards Corporate Environment Responsibility. Total Employment will be 112 persons as direct & indirect. No. of working days of distillery will be 350 days/annum.

7. PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserved Forests (RF)/ Protected Forests (PF) which lies within 10 km radius are Orgram RF (~4.0 km in NNE direction), Nurpur PF (~6.5 km in NE direction) and Dariapur PF (~9.0 km in NW direction). Water Bodies which lies within 10 km radius namely Damodar Branch Canal (~650 m in North direction), Pangarh Branch Canal (~800 m in North direction) and Khari Nadi (~4.5 km in South direction).

8. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.225 µg/m³, 0.562 µg/m³, 0.769 µg/m³, 0.917 µg/m³ with respect to PM₁₀, PM_{2.5}, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

9. Total fresh water requirement will be 926 m³/day, which will be met from ground water. Effluent (Condensate, spent lees and blow down) of quantity 974.81 m³/day will be treated through Condensate Polishing Unit and treated effluent will be recycled/reused. Raw stillage will be sent to decanter followed by MEE followed by dryer to produce DDGS. The plant will be based on Zero Liquid discharge system.

10. Power requirement will be 3.75 MW and will be met from 4.5 MW co-generation power plant. ESP with a stack of height of 55 m will be installed in the 35 TPH biomass/coal fired boiler for controlling the particulate emissions within the limit of 50 mg/Nm³. 1x500 KVA DG set will be used as standby during power failure and stack height (5m ARL) will be provided as per CPCB norms to the proposed DG sets.

11. Details of process emissions generation and its management:

- ESP with a stack height of 55 meters will be installed for controlling the particulate emissions.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO₂ (124.6 TPD) generated during the fermentation process will be collected by utilizing CO₂ scrubbers and sold to authorized vendors.

12. Details of Solid waste/Hazardous waste generation and its management:

- DDGS (Distilled Dried Grains Stillage) (70.75 TPD) will be sold as cattle feed / fish feed / prawn feed.
- Boiler Ash (36 TPD) generated from the boiler will be used for brick manufacturing. The company will be exploring opportunities for installation of in-house briquetting unit inside plant premises.
- Used oil (0.5 KL/annum) will be sold to authorized recyclers.
- CPU Sludge will be reused as manure.

13. As per the Notification S.O. 2339(E), dated 16th June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed capacity of 150 KLPD will be used for manufacturing of fuel ethanol only.

14. PP has reported that land is under possession of the company and land use conversion has been obtained from Office of the District Land & Land Reforms Officer, Purba Bardhaman, Govt. of West Bengal dated 19.04.2022. EAC found the information satisfactory.

15. Further, EAC discussed the following issues:

- Commitment that ground water permission shall be obtained before commissioning of construction.
- Revised water balance by reducing fresh water requirement to 926 m³/day and water requirement break up.
- Action plan for greenbelt development @ 2500 trees per hectares.
- Tree plantation along the approach road to project site.
- List of villages where Corporate Environment Responsibility will be taken up.

Committee was satisfied with the response of project proponent. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

16. The proposal was considered by the EAC in its 06th meeting held on 19th May, 2022 in the Ministry, wherein the project proponent and their consultant M/s J. M. EnviroNet Pvt. Ltd., presented the case under B2 category. 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 herèby accords environmental clearance to the project for **proposed 150 KLPD Grain based Ethanol Plant & 4.5 MW Co-generation Power Plant by M/s. Sterling Distillers LLP located at Village Belari, Tehsil Ausgram – I, District Purba Bardhaman, West Bengal**, 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 150 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). The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.
- (iv). 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.
- (v). Total Fresh water requirement shall not exceed 4 KL/KL of ethanol production and will be met from ground water. Prior permission shall be obtained for ground water withdrawal before start of construction activities. No ground water recharge shall be permitted within the premises. Industry shall construct a storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- (vi). The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. ESP shall be installed with the boiler. Boiler ash will be utilized for brick manufacturing. PP shall use biomass like rice husk/bagasse as fuel

for the proposed boiler. Low sulphur coal with maximum sulphur content of 0.5% shall only be used only in case of biomass unavailability. PP shall meet 10% of the total power requirement from solar power.

- (vii). CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.
- (viii). 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.
- (ix). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (x). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. PESO certificate shall be obtained.
- (xi). Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
- (xii). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xiii). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area @ 2500 trees per hecatres, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. Greenbelt shall be developed before commissioning of the plant. Avenue plantation in approach road to plant shall be done.
- (xiv). PP proposed to allocate Rs. 2.0 Crore towards 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, Drinking Water Facilities, solar light/solar power support for uninterrupted power supply etc. Further, all the proposed

activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.

- (xv). There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc.
- (xvi). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions. Internal roads shall be made pucca.
- (xvii). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- (xviii). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

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 Principal Secretary, Department of Environment & Forest, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata - 700 106
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kolkata IB - 198, Sector-III, Salt Lake City, Kolkata - 700106
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7. Guard File/Monitoring File/ Parivesh Portal /Record File

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

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Tel. No. 11-24 176

Signature Not Verified
Digitally signed by A N Singh
Scientist E

Date: 6/21/2022 3:10:23 AM