



F.No. IA-J-11011/16/2019- IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

By Speed Post/Online

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Bhawan
Jorbagh Road, New Delhi - 110003

Dated: 1st December, 2020

To

M/s Malbros International Private Limited
40, North Avenue Road, West Punjabi Bagh
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Email: malbros@ymail.com

Sub: Setting up Molasses based distillery of 160 KLPD along with 7 MW Co-generation Power Plant at Village Bhatiyura Prathipur, Tehsil Tilhar, District Shahjahanpur, Uttar Pradesh by M/s Malbros International Private Limited - Environmental Clearance - reg.

Sir,

This has reference to your proposal No. IA/UP/IND2/90871/2019 dated 3rd March, 2020, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Setting up Molasses based distillery of 160 KLPD along with 7 MW Co-generation power plant by M/s Malbros International Private Limited in an area of 12.328 ha located at Village Bhatiyura Prathipur, Tehsil Tilhar, District Shahjahanpur, Uttar Pradesh.

3. The details of products and capacity are as under:

S. No.	Units	Capacity	Product
1.	Molasses based Distillery	160 KLPD	Ethanol/Extra Neutral Alcohol/ Rectified Spirit/Impure alcohol
2.	Co-generation power plant	7 MW	Power

4. The land area available for the project is 12.328 ha (123280 sqm). Industry will develop greenbelt in an area of 4.07 ha (40700 sqm) covering 33% of total project area. The estimated project cost is Rs 225 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 45 crores and the recurring cost (O&M) will be about Rs. 45 crores per annum. The project will provide employment for 200 persons (80 permanent and 120 temporary). Industry proposes to allocate Rs. 55 crores towards Corporate Environment Responsibility.

CEO for M/s Malbros International Private Limited

5. There are no National parks, Wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. There are four rivers i.e. Khandni Nadi at a distance of 1.5 km in East direction, Kaimua Nadi at a distance of 1.7 km in SSE direction, Katna River at a distance of 6.4 km in WNW direction & Khanaut River at a distance of 9.5 km in ESE direction from the project site.

6. Total fresh water requirement will be 1120 cum/day (1100 cum/day for distillery & co-generation power plant & 20 cum/day for domestic & others) which will be met from Groundwater. Application in this regard has been submitted to CGWA on 20th October, 2019.

Effluent of 1980 cum/day quantity will be treated through Condensate Treatment Plant (Based on Anaerobic, aerobic treatment, filters and Reverse Osmosis) of capacity 2150 cum/day. There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Total power requirement will be 4.5 MW which will be met from proposed 7 MW co-generation power plant. DG Sets of 1000 & 1500 KVA capacity will be used as standby during power failure. Stack (7 m height) will be provided as per CPCB norms to the proposed DG sets.

Slope (Conc. Spent Wash) fired incineration boiler of 65 TPH capacity with auxiliary fuel like Bagasse, Coal & Rice husk shall be installed. Electrostatic Precipitator with a stack height of 75 meters will be installed for controlling the particulate emissions within the statutory limit for the proposed boiler.

Ash will be used as manure due to rich potash content (biomass ash) or supplied to brick manufacturers (coal ash). Conc. spent wash will be used as fuel in boiler combined with auxiliary fuel. Sludge generated will be used as manure. Used oil generated from plant machinery as hazardous waste will be sold to authorized vendors.

7. The project/activity is covered under category A of item 5 (g) 'Distilleries' of the Schedule to the Environment Impact Assessment Notification, 2006 and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. Standard terms of reference (ToR) has been issued by the Ministry vide letter dated 13th February, 2019. Public Hearing for the project has been conducted by the Uttar Pradesh Pollution Control Board on 4th October, 2019 which was presided over by Additional District Magistrate. The main issues raised during the public hearing are related to employment, development of villages, water pollution, greenbelt development in nearby villages, power supply.

9. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on 11-13 May, 2020 in the Ministry, wherein the project proponent and their accredited consultant M/s JM Enviro Net Pvt Ltd presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

10. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the

EC for M/s Malbros International Private Limited

proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The Member Secretary informed to the Committee that the Form-I, PFR, ToR, PH, EIA/EMP Report shall have the same scope of the project.

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.

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 and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the public hearing issues, action plan and CER plan and found to be addressing the issues in the study area and the issues raised during the public hearing.

The Committee noted that the acquired land is yet to be converted for Industrial use and necessary permission in this regard has not been obtained by the project proponent from the concerned regulatory authority. The project proponent has informed that the ownership of the land is with the company and application for conversion of land for industrial usage has been submitted to Deputy Collector, Bareilly, Shahjahanpur on 26th September, 2019. It was informed that all the formalities and documentation by the concerned Department has been completed and the process is pending due to the present pandemic only.

The EAC, after detailed deliberations, gave its in principal recommendation for grant of environmental clearance to the project, however, desired that the project proponent shall obtain permission for industrial use of the land first. 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 (EC).

The EAC, after detailed deliberations, recommended the project for grant of environmental clearance, subject to submission of land conversion documents for industrial usage, and subject to compliance of terms and conditions. The project proponent vide letter dated 5th November, 2020 has submitted the copy of land conversion documents issued vide communication dated 2nd November, 2020 by the Sub-Divisional Magistrate, Tilhar, Shahjahanpur.

11. 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.

12. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for Setting up Molasses based distillery of 160 KLPD along with 7 MW Co-generation Power Plant by M/s Malbros International Private Limited at Village Bhatiyura Prathipur, Tehsil Tilhar, District Shahjahanpur, Uttar Pradesh, under the provisions of the EIA Notification, 2006. subject to the compliance of terms and conditions as under:-

- (i). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ii). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- (iii). To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (iv). Total fresh water requirement shall not exceed 1120 cum/day proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- (v). The spent wash/other concentrates shall be incinerated as proposed.
- (vi). Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- (vii). Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (viii). The company shall undertake waste minimization measures as (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.
- (ix). The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind

direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

- (x). All the commitments made regarding issues raised during the public hearing/consultation meeting, and the time bound action plan proposed in the EMP shall be complied in letter and spirit.
- (xi). The project proponent shall provide 80% of the employment to the villagers residing in the local area.
- (xii). The project proponent shall develop solar power facilities and majority of the lighting facility in the unit shall be met from solar.
- (xiii). The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on ground water.
- (xiv). For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xv). 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.
- (xvi). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xvii). 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.
- (xviii). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xix). 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.
- (xx). CO₂ generated from the process shall be bottled/made solid ice and sold to authorized vendors.
- (xxi). 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.

12.1 The grant of environmental clearance is further subject to compliance of other general conditions as under:-

- (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 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 solar/LED based, or advance having preference in energy conservation and environment betterment.
- (iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- (v) 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.
- (vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- (viii) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (x) 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.
- (xi) 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.
- (xii) 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.

- (xiii) 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.
- (xiv) 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.
- (xv) 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.
- (xvi) 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.
- (xvii) 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.

13. 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.

14. 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.

15. 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.

16. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public

ability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

17. This issues with approval of the competent authority.

01/12/2020
(Dr. R. B. Lal)

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Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office (CZ), Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow (UP) - 20
2. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, Babu Bhawan, Secretariat, Vidhan Sabha Marg, Lucknow (UP) - 1
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, 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. The District Collector, District Shahjahanpur (Uttar Pradesh)
7. Guard File/Monitoring File/Website/Record File/Parivesh Portal

(Dr. R. B. Lal)
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