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F. No. J-11011/382/2016-IA-II(I)

Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Vayu Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110 003

Dated: 11th August, 2020

To,

M/s EID Parry (India) Limited,
villages Hullatti and Alloli,
Taluk Haliyal,
District **Uttara Kannada** (Karnataka)

Sub: Expansion of sugar manufacturing unit and cogeneration power plant by M/s EID Parry (India) Limited at villages Hullatti and Alloli, Taluk Haliyal, District Uttara Kannada (Karnataka) - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No.IA/KA/IND2/155504/2016 dated 1st June, 2020 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of sugar manufacturing unit from 6,000 TCD to 11,500 TCD and cogeneration power plant from 37 MW to 57 MW by M/s EID Parry (India) Limited in an area of 226 acres at villages Hullatti and Alloli, Taluk Haliyal, District Uttara Kannada (Karnataka). The Ministry had issued EC earlier vide letter No. J-11011/47/2007-IA II (I) dated 18th October, 2007 & J-11011/336/2012-IA II (I) dated 4th February, 2015 to the existing project Sugar – 6000 TCD, Co-generation power – 37 MW & Distillery – 90 KLD in favour of M/s E.I.D. - Parry India Limited.

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

S. No	Product	Existing	Proposed	Total
1.	Sugar	6,000 TCD	5,500TCD	11,500 TCD
2.	Co-gen Power plant	34 MW	20 MW	54 MW
3.	Distillery	90 KLPD	--	90 KLPD
4.	Power from incineration boiler	3 MW	--	3 MW

4. The existing land area is 226 acres (9,14,589.16 Sq.m) and no additional land will be required for proposed expansion project. Industry has already developed greenbelt in an area of 37.6% i.e. 3,43,982.8 Sq.m (85 acres). Total greenbelt will be developed in 95 acres (3,84,451.4 sq.m) i.e. 42% of total land. Total cost of the plant after expansion is Rs.413.5 crores. Total cost of existing plant is Rs.263.5 crores. The estimated expansion project cost is Rs.150 crores. Total capital cost earmarked towards environmental pollution control measures is Rs.15 crores (for proposed expansion) and the recurring cost (operation & maintenance) will be about Rs.2 crores per annum. Total Employment will be 441 persons

EC for M/s EID Parry (India) Limited

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as direct & 300 persons indirect after proposed expansion. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger / Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Tattihala River flows at 1.6 Km in west.

5. Total water requirement after expansion will be 4686 cum/day and out of which the fresh water requirement will be 3491 cum/day and will be sourced from the Kali River. Water drawl permission obtained for 45.11 MCFT which is adequate after expansion also. Hence no further water drawl permission is required. Effluent of 2,494 KLD quantity will be treated through Sugar plant ETP, Cogeneration ETP and Distillery plant ETP. The plant will be based on Zero Liquid discharge system.

6. Power requirement after expansion will be 6,000 kVA including existing 5,000 kVA and will be sourced from Captive power plant. Existing unit has DG sets of 1000 kVA & 500 kVA capacity, which are used as standby during power failure. Stack height of 3 m above the building height as per CPCB norms to the proposed DG sets. Existing unit has 120 TPH coal / bagasse fired boiler, 45 TPH bagasse fired boiler & 15 TPH Concentrated spent wash fired boiler. Additionally, 100 TPH bagasse fired boiler will be installed. Electro static precipitator with a stack of height of 70 m will be installed for bringing down the particulate emissions to within the statutory limit of 50 mg/Nm³ for the proposed 100 TPH boiler. There will not be any other process emissions from the Sugar & Co-generation power plant. Bagasse generated from the Sugar plant will be used as raw material in Co-generation power plant, Molasses generated will be used as raw material in Distillery unit, Filter cake generated will be given to framers as manure, ETP sludge generated will be used as manure in our own cane farm, Fly ash generated will be used as manure, Yeast sludge will be mixed with spent wash and incinerated in boiler, ash generated from burning of spent wash will be given group fertilizer unit.

7. All Sugar Industry are listed in S.N. 5(j) of Schedule of Environment Impact Assessment (EIA) Notification under category 'B' and all Thermal Power Plants (\geq 50 MW based on all other fuel except biomass) are listed in S.N. 1(d) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and requires appraisal/ approval at Central level in the Ministry.

8. The ToR was granted by the Ministry vide letter dated 28th March, 2017. Public Hearing for the expansion project has been conducted by Karnataka Pollution Control Board on 18th December, 2019, which was presided over by the Additional Deputy Commissioner. The main issues raised during the public hearing are related to dust generation due to the plant and priority in harvesting cane of local people.

9. The proposal for environmental clearance was considered by the EAC (Industry-2) in its meetings held on 13-15 April, 2020 and 14 -16 July, 2020. The project proponent and their accredited consultant M/s Pioneer Enviro Laboratories & Consultants Pvt Ltd, made a detailed presentation through Video Conferencing (VC) and have presented the EIA/EMP report. The Committee found the EIA/EMP report to be satisfactory, 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 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 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.

11. 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 certified compliance report also found to be satisfactory. Additional information submitted by the project proponent found to be satisfactory and addressing the concerns of the Committee. 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.

12. The matter has been further examined in the Ministry and it is observed that the EAC has recommended CER cost of Rs. 1.68 crore on expansion cost of Rs. 150 crore which should be maximum Rs. 1.125 Crore @ 0.75 % of the total cost as per the Ministry's Office Memorandum on CER dated 01.05.2018. Accordingly, the Competent authority in the Ministry has approved the CER cost of Rs. 1.125 Crore. This CER allocation shall be spent mainly for education facilities, skill development of farmers and for issues raised during public consultation/hearing.

13. 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.

14. 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 expansion of sugar manufacturing unit from 6,000 TCD to 11,500 TCD and cogeneration power plant from 37 MW to 57 MW by M/s EID Parry (India) Limited at villages Hullatti and Alloli, Taluk Haliyal, District Uttara Kannada (Karnataka),** 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) 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 3491 cum/day proposed to be met from Kali River. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and shall be renewed from time to time.
- (v) As proposed, spent wash shall be incinerated. Fly ash generated from the boiler shall be made as ash granules, to be used/sold as fertilizer.
- (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 Project Proponent 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.
- (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) As committed, at least 20% of power requirement shall be met from solar power.
- (xi) All the commitments made regarding issues raised during the public hearing/consultation meeting shall be satisfactorily implemented.
- (xii) The project proponent shall provide employment to the villagers residing in the local area.
- (xiii) Project Proponent shall spend Rs. 1.125 Crore towards CER cost as per the Ministry's Office Memorandum on CER dated 01.05.2018. This CER allocation shall be spent mainly for education facilities, skill development of farmers and for issues raised during public consultation/hearing.
- (xiv) The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on surface water.
- (xv) 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.
- (xvi) 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.
- (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.

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.

15. 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.

16. 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.

17. 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.

18. 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.

19. This issues with the approval of the competent authority.


(Dr. R. B. Lal)
Scientist E/Additional Director
(डा. आर. बी. लाल)
वैज्ञानिक 'ई' / Scientist 'E'
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Copy to: -

1. The Secretary, Ministry of Petroleum and Natural Gas, Shastri Bhavan, New Delhi - 110 001

2. The Deputy DGF (C), MoEF&CC Regional Office (SZ), KendriyaSadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, **Bangalore** - 34
3. The Secretary, Department of Forest, Environment & Ecology, Government of Karnataka, Room No. 708, Gate 2, Multi Storey Building, Dr. AmbedkarVeedhi, **Bangalore** - 1
4. The Member Secretary, Central Pollution Control Board, PariveshBhawan, CBD-cum-Office Complex East Arjun Nagar, **Delhi** - 32
5. The Member Secretary, Karnataka State Pollution Control Board, ParisaraBhavan, #49, 4th& 5th Floor, Church Street, **Bangalore** -1
6. The District Collector, District **Uttara Kannada** (Karnataka)
7. Guard File/Monitoring File/Website/Record File


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