



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

Indira Paryavaran Bhawan
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New Delhi - 110 003

Yogendra Pal Singh
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F. No. J-11011/358/2016-IA-II (I)

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Dated: 28th February, 2017

To,

The General Manager (Engineering)
M/s E.I.D. Parry (India) Limited
Dare House, 234,
N. S. C. Bose Road, Parrys Corner,
Chennai - 600 001

Sub: Expansion of existing Plant capacity (Sugar - 4750 TCD to 7500 TCD and Co-gen power - 15 MW to 34 MW) and addition of distillery (60 KLPD), generation of 3 MW Power from incineration boiler) by M/S E.I.D. Parry (India) Limited, Bagalkot, Karnakata - Terms of Reference - reg.

Sir,

This has reference to your Proposal No. IA/KA/IND2/60858/2016 dated 03rd December, 2016, submitting to this Ministry for seeking Terms of Reference (ToR) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for (Industry-2), in its 17th meeting held on 26th - 29th December, 2016. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under:-

- (i) The project involves existing Plant capacity Sugar - 4750 TCD Co-gen power - 15 MW by M/S E.I.D. Parry (India) Limited, Bagalkot, Karnakata. Cost of the existing project was below ₹100 crores. Hence, no environmental clearance was obtained for existing unit as per 1994 EIA Notification.
- (ii) Total area already in possession is 177.2 acres. Sy. No. of the land are 29, 32/1, 32/2, 33/1/B and 33/1A, 36, 27/2, 27/3, 28/1, 28/2, 29/1, 30/6, 30/3, 30/4b, 30/4a, 30/4c, 30/5a, 30/5b, 33/2a, 35/2, 36/1b, 36/2, 48/1a, 48/1b/1, 39/1, 36/3, 62/1a, 3/3 + 4/1, 30/1+2, 39/2b, 43/1+2/c, 43/1, 135/1.

- (iii) The total project cost ₹ 351 Crores.
- (iv) Water requirement for existing plant is 406 KLD. Water requirement for the proposed expansion 1504 KLD. Total water requirement 1910 KLD d. Source of water is Krishna River.
- (v) Effluent generation from the existing plant is 596 KLD b; whereas effluent generation from the expansion plant is expected to be 1083 KLD. Hence, total effluent generation would be 1679 KLD. Sugar Plant Effluent generated from the existing Sugar plant is being treated in specially designed ETP and treated effluent is being utilized for greenbelt development after ensuring quality of treated effluent with standards stipulated for onland for irrigation by CPCB/KSPCB. Power Plant Effluent from the existing power plant is being treated in Sugar Plant ETP and treated effluent is being utilized for greenbelt development in the plant premises after ensuring quality of treated effluent with standards stipulated for onland for irrigation by CPCB / KSPCB.
- (vi) Effluent treatment (proposed expansion): Sugar Plant Effluent generated from the Sugar plant will be treated in specially designed ETP and treated effluent will be utilized for greenbelt development after ensuring quality of treated effluent with standards stipulated for onland for irrigation by CPCB / KSPCB. Power Plant Effluent from the power plant will be treated in Sugar Plant ETP and treated effluent will be utilized for greenbelt development in the plant premises after ensuring quality of treated effluent with standards stipulated for onland for irrigation by CPCB / KSPCB Distillery Plant.
- (vii) Spent wash generated from the Process will be concentrated in Multiple Effective Evaporators up to 55% solids and will be incinerated in the Boiler mixing with other fuels like coal or biomass.
- (viii) Steam requirement (existing) Steam requirement existing sugar plant is being met from existing 85 TPH Cogeneration power plant Boiler.
- (ix) Steam requirement (expansion) Steam required sugar plant will be met from proposed 110 TPH Cogeneration power plant Boiler. Steam required for the Distillery plant and Multiple Effective Boilers will be met from the 25 TPH Incineration Boiler.
- (x) Emissions from Project will be Particulate matter, SO₂ and NO_x ESP will be provided to 110 TPH Boiler to bring down the particulate matter to below 50 mg/Nm³. The exhaust gases from the boiler will be discharged into the atmosphere through a stack of 67 m height for effective dispersion of gases into the atmosphere.
- (xi) Ambient Noise levels are within the standards prescribed by MOE&F Notification and its amendments and after proposed expansion also similar practice will be followed.
- (xii) Solid waste generation (expansion): Press mud generated from the Sugar plant will be given to farmers as organic manure Bagasse generated from the Plant will be utilized as fuel for power generation in Co-gen Power plant boiler Power Plant Ash generated from the power plant will be given to farmers as organic manure when bagasse / biomass is used as fuel and will be disposed off to brick manufacturers when coal is used as fuel.
- (xiii) The Products and capacities are as under:-

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Unit	Capacity		
	Existing (No EC obtained from MoEF)	Expansion	Total
Sugar	4750 TCD	2750 TCD	7500 TCD
Co-gen Power plant	15 MW	19 MW	34 MW
Distillery	--	60 KLPD	60 KLPD
Power from incineration boiler	--	3 MW	3 MW

3. The Committee after detailed deliberations recommended the proposal for grant of additional TOR alongwith Standard TOR as available on the Ministry's website.

4. As per the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords following additional TOR for preparation of the Environment Impact Assessment (EIA) Report and Environment Management Plan (EMP) in respect of the **"Expansion of existing Plant capacity (Sugar - 4750 TCD to 7500 TCD and Co-gen power - 15 MW to 34 MW) and addition of distillery (60 KLPD), generation of 3 MW Power from incineration boiler) by M/s E.I.D. Parry (India) Limited, Bagalkot, Karnakata"**.


Specific TOR

- (i) A separate chapter on status of compliance of Environmental clearance conditions granted by the State/Centre to be provided. As per circular dated 30th May, 2012 issued by MoEF a certified report by concerned RO, MoEFCC on status of compliance of conditions of EC for the existing unit to be provided in EIA/EMP report.
- (ii) Proposed effluent treatment system for molasses distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
- (iii) Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
- (iv) Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank and composting yard.
- (v) No ground water shall be withdrawn.
- (vi) Lay out plan to be submitted making provision for 10 m wide Green Belt of perennial indigenous tree species (Neem, Seasam, Teak wood etc.) around plant periphery.
- (vii) Public Hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.

5. You are requested to kindly submit the detailed final EIA/EMP prepared as per ToRs to the Ministry for considering the proposal for environmental clearance **within 3 years as per the MoEF&CC O.M. No.J-11013/41/2006-IA-II (I) (P) dated 8th October, 2014.**

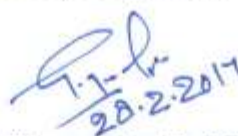
6. As per circular dated 30th May, 2012 issued by this Ministry a certified report by concerned RO, MoEF&CC on status of compliance of conditions of EC for the existing unit to be provided in EIA/EMP report.

7. The consultants involved in preparation of EIA/EMP report after accreditation with Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc. vide notification of the MoEF dated 19th July, 2013.


20.2.2017
(Yogendra Pal Singh)
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Copy to:

1. The Member Secretary, Karnataka State Pollution Control Board, Parisara Bhavan, #49, 4th & 5th Floor, Church Street, Bangalore - 560 001.


20.2.2017
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