	State Level Environment Impact Assessment Authority (SEIAA)
	Andhra Pradesh
	Ministry of Environment, Forests & Climate Change,
	Government of India
D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamavari Street, Kasturibaipet, Vijayawada-520010	

REGD.POST WITH ACK.DUE

10/09/2020

Order No. SEIAA/AP/SKLM/IND/11/2019/1455 423

**Sub SEIAA, A.P. – M/s. E.I.D- Parry (INDIA) Limited at R.Sy.No:289 to 399,
: Sankili (V), RegidiAmadalavalasa (M), Srikakulam District Andhra
Pradesh– Expansion - Issued - Reg.**

- I. This has reference to your EC application submitted through online on 26.11.2019 (Proposal No.SIA/AP/IND2/45641/2018), seeking Environmental Clearance for expansion of Ethanol Production from 40 KLPD to 48 KLPD, in the name of **M/s. E.I.D- Parry (INDIA) Limited at R.Sy.No:289 to 399, Sankili (V), RegidiAmadalavalasa (M), Srikakulam District Andhra Pradesh.** The total cost of the project is Rs. 43 Crores and the production capacity of the project is as following:

List of Existing Products and proposed products:

S.No	Product/ By product	Existing	After Expansion
1.	Ethanol	40 KLPD	48 KLPD

The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on **21.12.2019, 11.03.2020, 10.05.2020 & 23.07.2020.** The project proponent submitted the EC application for expansion through online on 01.11.2019 seeking for the Environmental Clearance Expansion under Ethanol Blending Programme vide notification Dated: 17.01.2019 along with necessary documents. The industry has obtained EC Order from MoEF& CC Delhi vide File No: -11011/157/2003-IA-II Dated: 08.03.2004 for 40 KLPD Distillery and EC Amendment order F.No:J-11011/157*2003-IA II (I) Dated:25.02.2015 for increase in number of working days and disposal of spent wash. The industry is having valid consent orders. The issue was examined by the SEAC in its meeting held 04.12.2019. The Committee noted that the proponent has not submitted the certified compliance report to the existing EC order and hence deferred. **The issue was placed before the SEIAA in its meeting held on 18.12.2019 & 05.08.2020.** The Authority noted with the recommendations of SEAC. The project proponents along with their consultant M/s. S.V. Enviro attended the

meeting and informed that the certified compliance report to the existing EC order was submitted. After detailed deliberations the Committee Recommended to issue Environmental Clearance the expanded capacities from 8 KLPD to 48 KLPD with the following additional conditions.1. No increase in the existing water consumption of 890 KLD. 2. Environmental Cell to be headed by Environmental Engineer. 3. CSR activities being carried out to be complied and submitted. The issue was examined by the SEIAA and clarification is requested from the SEAC with regard to the expansion capacities as requested in the EC application. On perusal of the entries made in the Form -II against 9(b)(i) it is observed that the expansion sought was from 40 KLPD to 8 KLPD of Ethanol or Extra Neutral Alcohol where as the entries made against 9(c)(i) the product was entered as 40 KLPD under the 'existing configuration' and 8 KLPD under 'Proposed Configural' and 48 KLPD after 'Final configuration after expansion' it is pertinent that the coloumn 9(c)(i) is meant for entries for expansion in 'Plant / Equipment / Facility'. The State Level Environment Impact Assessment Authority (SEIAA), A.P., in its meeting held on 03.05.2020 examined the proposal and the recommendations of SEAC and decided to accept SEAC recommendations aforesaid for strict compliance by the proponent and to issue EC. **The SEIAA, A.P hereby accords Environmental Clearance to the project** as mentioned at Para No. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following cluster, specific and general conditions:

Part A. Special Conditions:

Additional conditions:

- a. No increase in the existing water consumption of 890 KLD.
- b. Environmental Cell to be headed by Environmental Engineer.
- c. CSR activities being carried out to be complied and submitted.
- ii. While giving CFE/CFO, the APPCB is to kindly ensure compliance of guidelines issued in G.O RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.
- iii. The proponent Shall not attract the following acts & Rules: Forest act 1980, Wild life act,1972; CRZ notification, 2011; The eco sensitive areas as notified under EP act,1986; Critically polluted areas as notified by CPCB and ii) Shall not harm live stock and human beings and disturb their activities
- iv. The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard. Proponent shall ensure safety to human and animal life while taking up the activity. The APPCB to ensure the above while according CFE/CFO
- v. CSR activities will be taken up by the proponent by allocation 2% of the finances.
- vi. The industry shall comply with the following conditions as committed for in their project proposal- (a). The industry shall adopt appropriate pollution

control system to achieve Zero Liquid Discharge (ZLD) and ensure that there will be no discharge from the unit. (b). The industry shall ensure that there shall not be additional usage of resources of water; (c). The industry shall recycle the treated water to ensure the 25 to 30% water saving and (d) Condensation vapor recovery and other beneficial impacts to be implemented.

- vii. The entire Spent wash of distillery shall be blended with the grain husk and dry grass/ De-oiled Rice Bran (DORB) and dried to form DWGS. DWGS will be sent to dryer to form DDGS. Spentlees, effluent from utilities and cogeneration unit shall be treated in Effluent Treatment Plant (ETP) and water quality of treated effluent shall meet the norms prescribed by CPCB/APPCB and recycle/reuse. Also no spent wash storage lagoon will be provided.

Part B Specific Conditions:

- i. The emissions from the coal fired Boiler of capacity 1 x 15TPH shall be routed through cyclones separator followed by bag filters and a stack of height 51 m shall be provided. The existing 10 TPH boiler shall be kept as standby. The concentration of particulates in the emission shall not exceed 115 mg/Nm³. Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc., shall be provided to monitor stack emissions.
- ii. In Plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi-cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by A P Pollution Control Board (APPCB).
- ii. The pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.
- v. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- The Project Proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of

- v. monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF&CC, the respective Zonal office of CPCB and the APPCB. The levels of PM2.5, PM10, SO2, NOx, CO and HC (Methane) in 3 ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- vi. Firefighting system shall be as per norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting shall be made to control fire from the alcohol storage tank.
- vii. Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Chennai within six months.
- viii. As proposed, green belt over 33 % of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- x. Ambient air quality including ambient noise levels must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by the MOEF&CC,GOI. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.

1. Air Environment:

- i. Adequate stack height shall be provided for D.G. Set as per CPCB norms and it shall be provided with approved monitor system for stack emissions.
- ii. In Plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled

2. Water Environment:

The total water requirement is 890 KLD after expansion, out of which 400 KLD is used for process & washings (with Recycling),

- i. 240 KLD is used for Boiler Feed, 200 KLD is used for cooling make-up & RS dilution, 45 KLD is used for Softener / DM Plant / RO Plant & 5KLD Domestic purpose.
The total wastewater generation is 496KLD after expansion, out of which 400 KLD is from Process and washing, 22 KLD is from Cooling tower blow down, 25 KLD is from Boiler Blow down and 45 KLD is from DM Plant waste water after treatment, 4KLD is from Domestic.
- ii. Total fresh water requirement from Ground for distillery prior permission for drawl of water shall be obtained from the Competent Authority. A copy of permission shall be submitted to the Ministry's Regional Office at Chennai. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.
- v. The proponent shall provide separate storm water drains and harvest the rainwater from the rooftops to recharge the ground water.
- v. The Effluents from utilities shall be treated in Effluent Treatment Plant (ETP) and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.
- vi. Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- vii. Adequate numbers of ground water quality monitoring stations by providing piezo meters around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and the Ministry. 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 at Chennai and APPCB.
- viii. Automatic/online monitoring system for flow measurement and for relevant pollutants in the treatment system to be installed. The data to be made available to respective SPCB and in the Company's website

3. Solid Waste :

- i. DDGS (with 90% solids) generated – 2.5TPDis to be sold as cattle / fish / poultry feed; Boiler Ash 30MT shall be sold out to brick manufacturers (or) cement plants.
- ii. Dried Wet Grain Soluble generated from grain based process is to be sold as cattle feed. No storage of wet cake shall be done at site to avoid odour problem.
- ii. Biomass/coal storage shall be done in such a way that it does not getⁱ air borne or fly around due to wind. For this, it shall be kept in wet form
- v. Fly ash shall be stored separately as per CPCB guidelines so that itⁱ shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Ash shall be transferred to the brick manufacturing/cement Plant in a covered truck. A tie-up with brick manufacturers to be made in the form of agreement.
- v. Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- vi. The Project Proponent shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous and Other Wastes (Management and Trans boundary Movement) Amendment Rules, 2016 and its amendment time to time and prior permission from APPCB shall be obtained for disposal of solid / hazardous waste including boiler ash.
- vii. The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.

Part C. General Conditions:

This order is valid for a period of 7years.

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- ii. The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self government bodies (Gram panchayat/Gram secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CFE/CFO. The APPCB to ensure the same while according CFE/CFO.

- iii. Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.

- iv. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.

- v. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

- vi. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, AP/ MOEF&CC, GoI, New Delhi, as applicable.

- i. ^{vi} The project proponent shall 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 Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically.

- viii. Post Environment Clearance Monitoring: It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1stJune and 1stDecember of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533(E) of Ministry of Environment and Forests Notification, New Delhi, dt 14thSeptember, 2006.)

- ix. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM10, PM2.5, SO₂, NO_x, Ammonia, VOCs monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- x. Data on ambient air quality (RPM, SPM, PM10, PM2.5, SO₂, NO_x, Ammonia, VOCs) should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- xi. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- i. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- xiii. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xiv. The funds earmarked for environmental protection measures (**Capital cost Rs. 1.2 and Recurring cost Rs. 0.15 Crores/annum**) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Chennai.
- v. At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017- IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Regional Office, Chennai.
- xvi. Officials from the Regional Office of MOEF&CC, Chennai/The SEIAA, Andhra Pradesh through the Regional Offices of Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MOEF&CC, Chennai.

- xvii. Project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xviii. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P. This order shall be displayed in the website of the project proponent.
- xix. The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- x. 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.
- xxi. The company shall under take eco-development measures including community welfare measures in the project area.
- xxii. The proponent shall obtain all other mandatory clearances from respective departments
- xxiii. Concealing the factual data or 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.
- xxiv. The SEIAA,A.P., may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA, A.P., reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxv. SEIAA also reserves the right to cancel the EC issued at anytime, if EC has been obtained by the proponent through suppression of any information or furnishing false information.
- xxvi. 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

XXvii. The proponent shall obtain prior permissions and continued guidance from regulatory authorities for all the above conditions wherever it is required.

xxviii. All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent.
PCB shall ensure compliance to the conditions stipulated by SEIAA.

Special Secretary To Govt

MEMBER SECRETARY,
SEIAA, A.P.

MEMBER,
SEIAA, A.P.

CHAIRMAN,
SEIAA, A.P.

To

Sri A.Nagasesha Reddy,

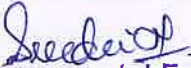
A.V.P.(Works) Unit Head,,

M/s.E.I.D.Parry (India) Ltd.,
Sankili, Regidi Amadalavalasa (M),
Srikakulam District-532440, A.P

Copy to:

1. The Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO: Srikakulam, APPCB for information.
4. The Regional Officer, MOEF&CC, GoI, Chennai for kind information.
5. The Secretary, MOEF&CC, GoI New Delhi for kind information.
6. Monitoring cell, MoEF&CC, GoI, New Delhi for kind information.
7. The District Collector, Srikakulam District, Andhra Pradesh for kind information.

THE SEIAA,A.P.,HAS APPROVED THE ORDER IN E-OFFICE.


r Environmental Engineer
State Environment Impact
Assessment Authority
Govt. Of Andhra Pradesh